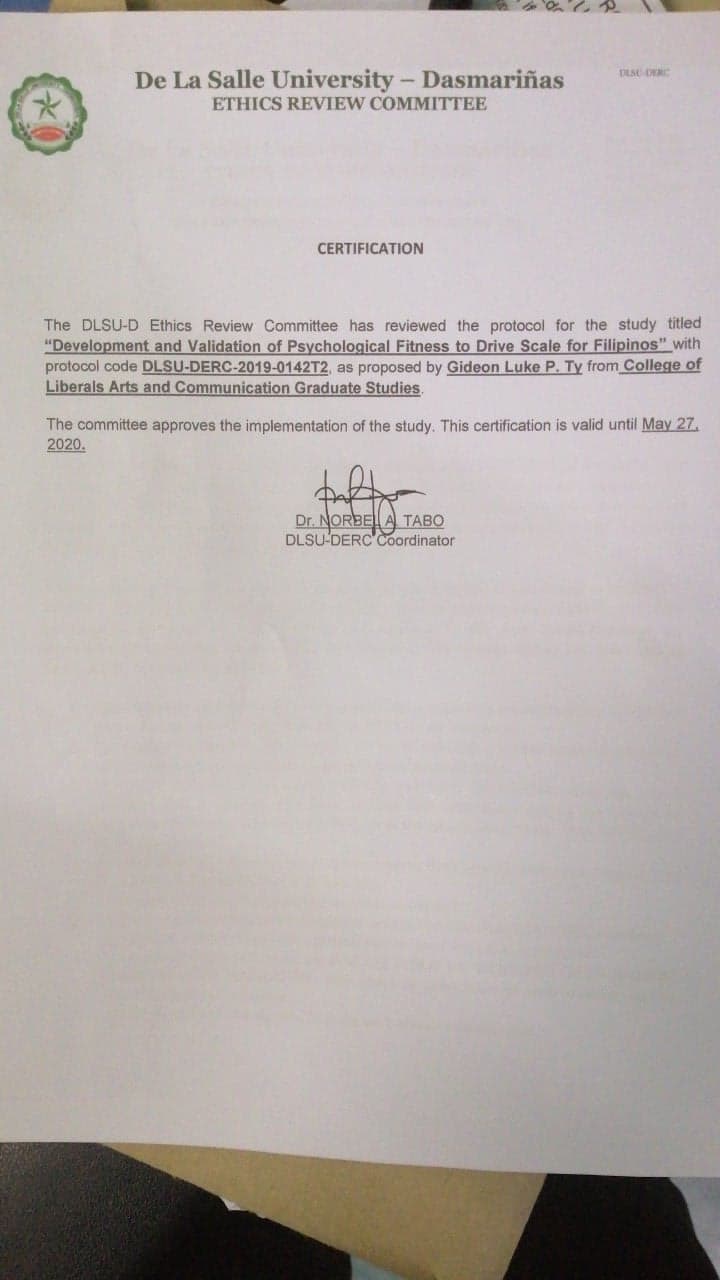
**APPENDICES**

Appendix A: DLSU-D ERC Certification

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Appendix B: Pre-survey Results (Sample)

|  |  |  |
| --- | --- | --- |
| **CODE** | **PROFILE** | **RESPONSES** |
| SP 1 | Female, daily passenger | “Mahalaga ang pasensya; walang influence ng alak; kalmado palagi at sumusunod sa rules and regulations” |
| SP 2 | Male, non-professional driver | “Mentally fit ang driver sir if hindi agad mainitin ang ulo niya sa kalsada at kapag marunong siyang magparaya sa ibang driver.”  “Para sakin po is kung nag dadrive ka dapat po ay wala kang ibang ginagawa kundi humawak sa manibela and shift knob. Anything na gawin mo na wala naman po relate sa pagddrive mo while the car is moving ay pwedeng maging sanhi ng kahit anong aksidente sayo or sa paligid mo.”  “Minsan po naiinip, kasi yung ibang pedestrian lalo na kapag wala naman sa pedestrian crossing na tumatawid. And minsan naman kasi yung iba is yung tapos na yung signal light for pedestrian e humahabol pa kaya naiinip. Pero ako naman po is kapag may nakikita akong tumatawid lalo na kung may edad na or bata is pinagbibigyan ko na.”  “…opo sir minsan. Kasi po sa area po aming sobrang daming tricycle and jeepney. Hindi naman lahat pero karamihan sa kanila is hindi nag sasakay or bababa sa tamang lugar. Minsan yung iba naman oovertake ng biglaan ng walang signal. Yung iba naman minsan gumigitna kahit mabagal…” |

Note: SP = Survey Participant

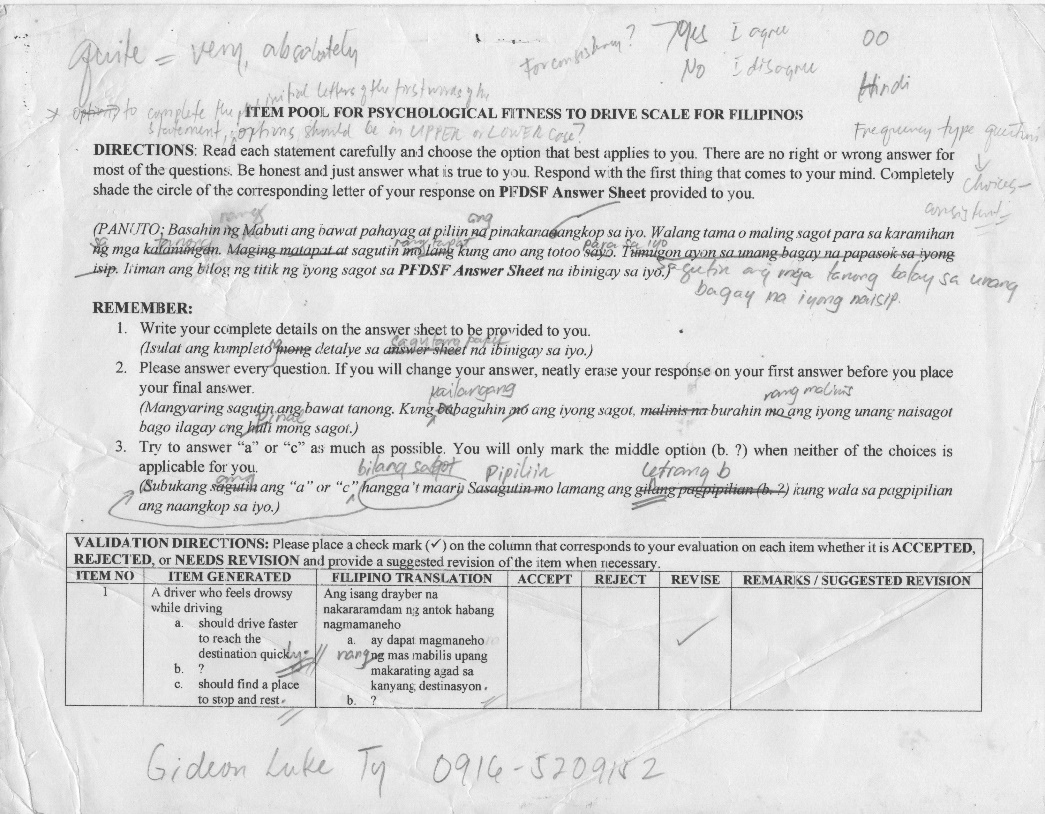
Appendix C: Interview Transcription (Sample)

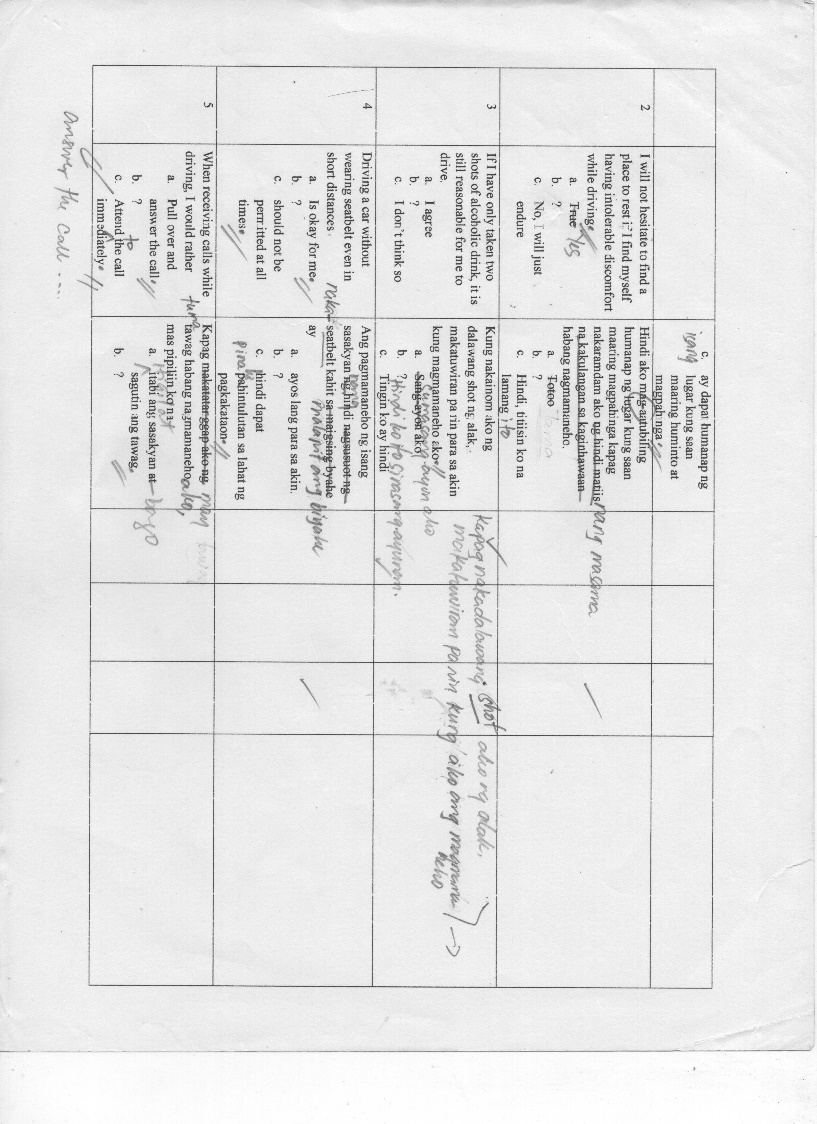
|  |  |
| --- | --- |
|  | Pseudonym: Marcos (Interviewee 1)  Date: 07/20/2019 Location: Brgy. Sampaloc 1, Dasmariñas, Cavite |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18 | L: bale ang tanong ko lang sayo, pano mo masasabi if mentally fit ang isang driver, ano yung mga characteristics ng isang driver based dun sa aming experience mo na parang masasabi mon a mentally fit siya  M: siguro una yung sa pagiging responsible driver or defensive driver yung term nila dun sa LTO. Kasi pag sinabi mo aming defensive driver di naman ibig sabihin nun, porket nasa tama ka, lagi ka ng mag… or ipupush mo na yung sarli mo sa situation na tama ka… pag sinabing defensive driver naman kasi, kahit minsan mali ka na, or I mean tama ka na, tas mali yung kasabay mo sa kalsada, pero nag give way ka, yun yung parang masasabi mong mentally fit ka dun kasi you can observe kung ano yung possible na mangyayaring masama kapag nakipagsabayan ka sa mali  L: so ibig sabihin, mapagbigay?  M: oo parang ganun, mapagbigay ka sa daan, ahmm observant, pag sinabi mo naman kasing observant, kelangan yung focus mo hindi lang sa speed mo sa highway, kelanga I check mo din yung mga pedestrian sa gilid kailangan maging observant pati yung sa mga traffic signs, kasi minsan, one way na pala or bawal pala mag u-turn dun tas mag u-turn ka  L: minsan naganun mo na, parang pumasok ka dun sa one way pala, hindi mo napansin, or inoobserve mo talaga, binabantayan mo talaga?  M: ako kasi kabisado ko yung dun sa phase namin so alam ko kung san yung mga one way kaya hindi pa naman ako nakakadaan sa mga one way  L: may mga instances ba na parang bigla na lang nagkaroon ng aberya yung sasakyan?  M: oo, ang ginawa ko nung nangyari, ay tinry ko muna kung magagawa ko ng paraan, pero nung wala talaga, pinababa ko yung kasama ko sa sasakyan para tumulong siya mag ayos ng traffic kasi nasa traffic light kami nun eh, stop light, so magccause ng traffic yun kapag walang mag aassit, syempre yung mga nasa likod, di naman nila alam na may problema yung sasakyan, so ang ginawa ko, pinababa ko agad yung kasama ko sa sasakyan para i-assist yung, yung mga sasakyan habang finifigure out ko kung anong gagawin ko dun sa sasakyan. |

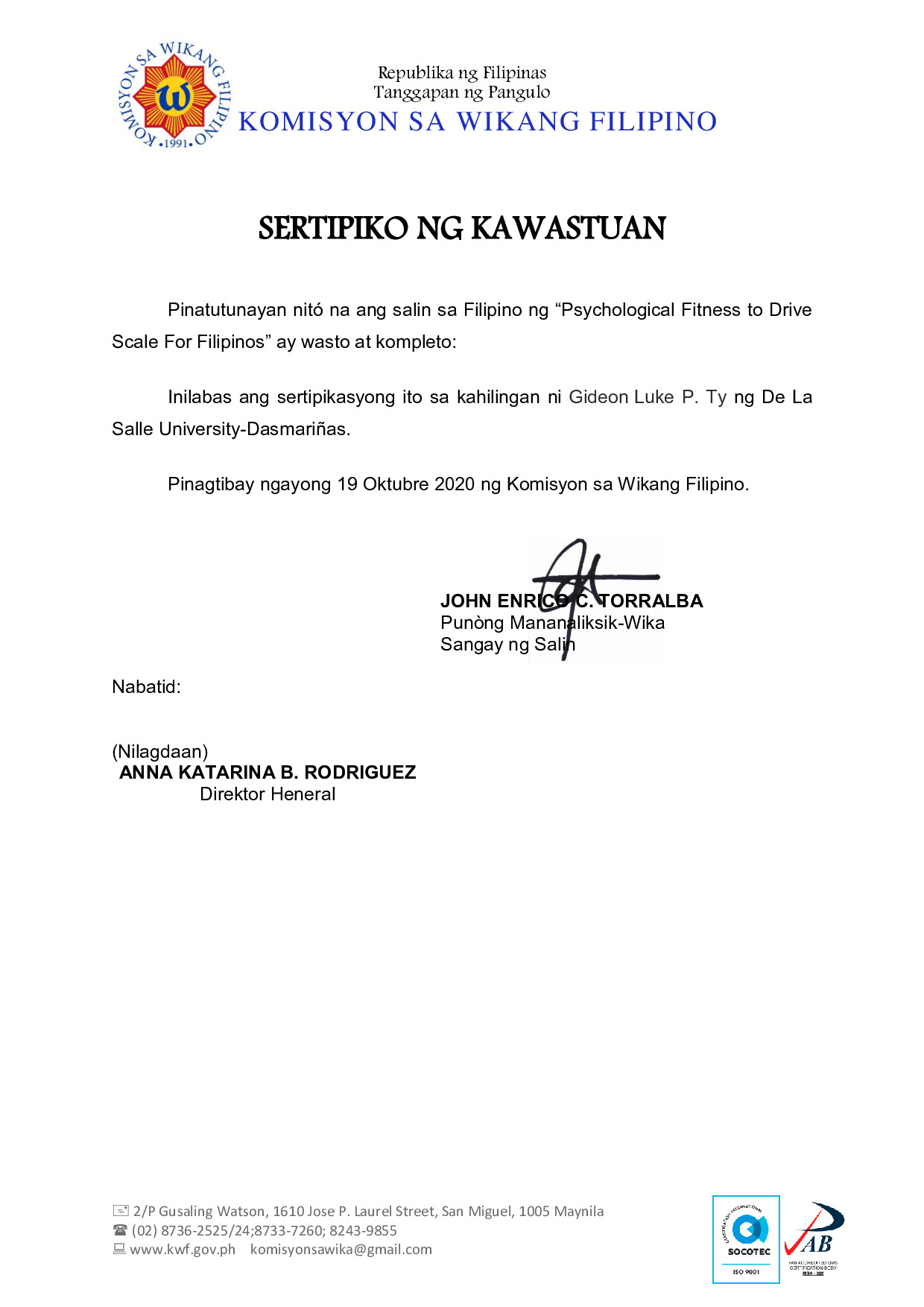
Appendix D: Initial Items Generated (Sample)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Items Generated** | **Filipino Translation** | **Supporting**  **Pre-survey/ Interview Transcription** | **Supporting Literature Review** |
| 1 | A driver who feels drowsy while driving   1. should drive faster to reach the destination quick 2. ? 3. should find a place to stop and rest | Ang isang drayber na nakararamdam ng antok habang nagmamaneho   1. ay dapat magmaneho ng mas mabilis upang makarating agad sa kanyang destinasyon 2. ? 3. ay dapat humanap ng lugar kung saan maaring huminto at magpahinga | “…Mas maganda kapag medyo nakakaramdam ka ng antok, ipahinga mo saglit, or mas maganda, yung may kausap ka…  Mas okay nga siya kapag long drive na may kausap ka kasi kahit papano, hindi ka nabobore sa byahe, hindi ka na aantok…”  (Interviewee 1) | Schwarz, J., Geisler, P., Hajak, G., & Zulley, J. (2015). The effect of partial sleep deprivation on computer-based measures of fitness to drive. *Sleep And Breathing, 20*(1). doi:10.1007/s11325-015-1220-0  Bener, A., Yildirim, E., Özkan, T., & Lajunen, T. (2017). Driver sleepiness, fatigue, careless behavior and risk of motor vehicle crash and injury: Population based case and control study. *Journal of Traffic and Transportation Engineering, 4*(5), 496-502. doi:/10.1016/j.jtte.2017.07.005 |
| 2 | I will not hesitate to find a place to rest if I find myself having intolerable discomfort while driving.   1. True 2. ? 3. No, I will just endure | Hindi ako mag aatubiling humanap ng lugar kung saan maaring magpahinga kapag nakaramdam ako ng hindi matiis na kakulangan sa kaginhawaan habang nagmamaneho.   1. Totoo 2. ? 3. Hindi, titiisin ko na lamang | “…actually, oo yun yung nagiging problema, sa mga long drive kaya kapag long drive ka lalo gabi, tas malamig yung paligid, medyo ano, medyo comfortable, comfy yung environment, mas maganda kapag medyo nakakaramdam ka ng antok, ipahinga mo saglit…”  (Interviewee 1) | Schwarz, J., Geisler, P., Hajak, G., & Zulley, J. (2015). The effect of partial sleep deprivation on computer-based measures of fitness to drive. *Sleep And Breathing, 20*(1). doi:10.1007/s11325-015-1220-0  Bener, A., Yildirim, E., Özkan, T., & Lajunen, T. (2017). Driver sleepiness, fatigue, careless behavior and risk of motor vehicle crash and injury: Population based case and control study. *Journal of Traffic and Transportation Engineering, 4*(5), 496-502. doi:/10.1016/j.jtte.2017.07.005 |

Appendix E: Validation of Filipino Translation (Sample)

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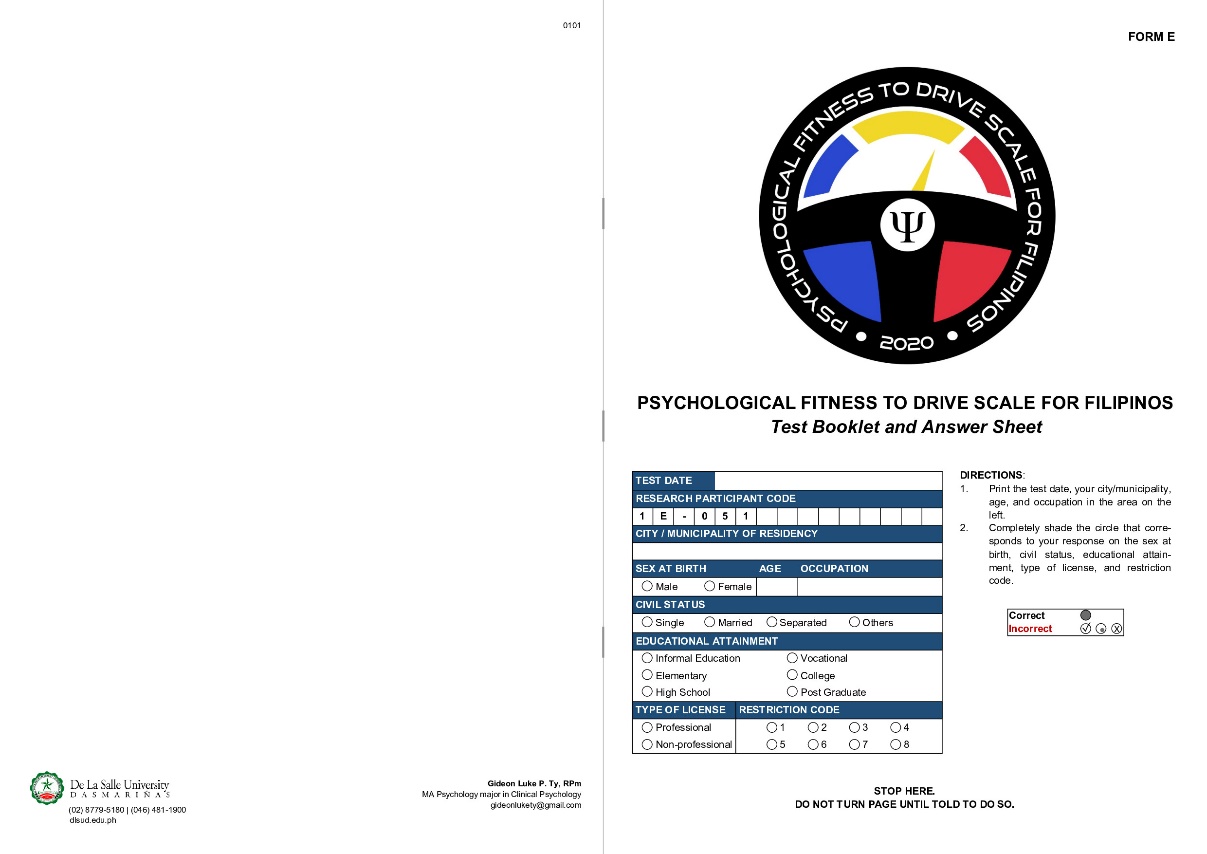
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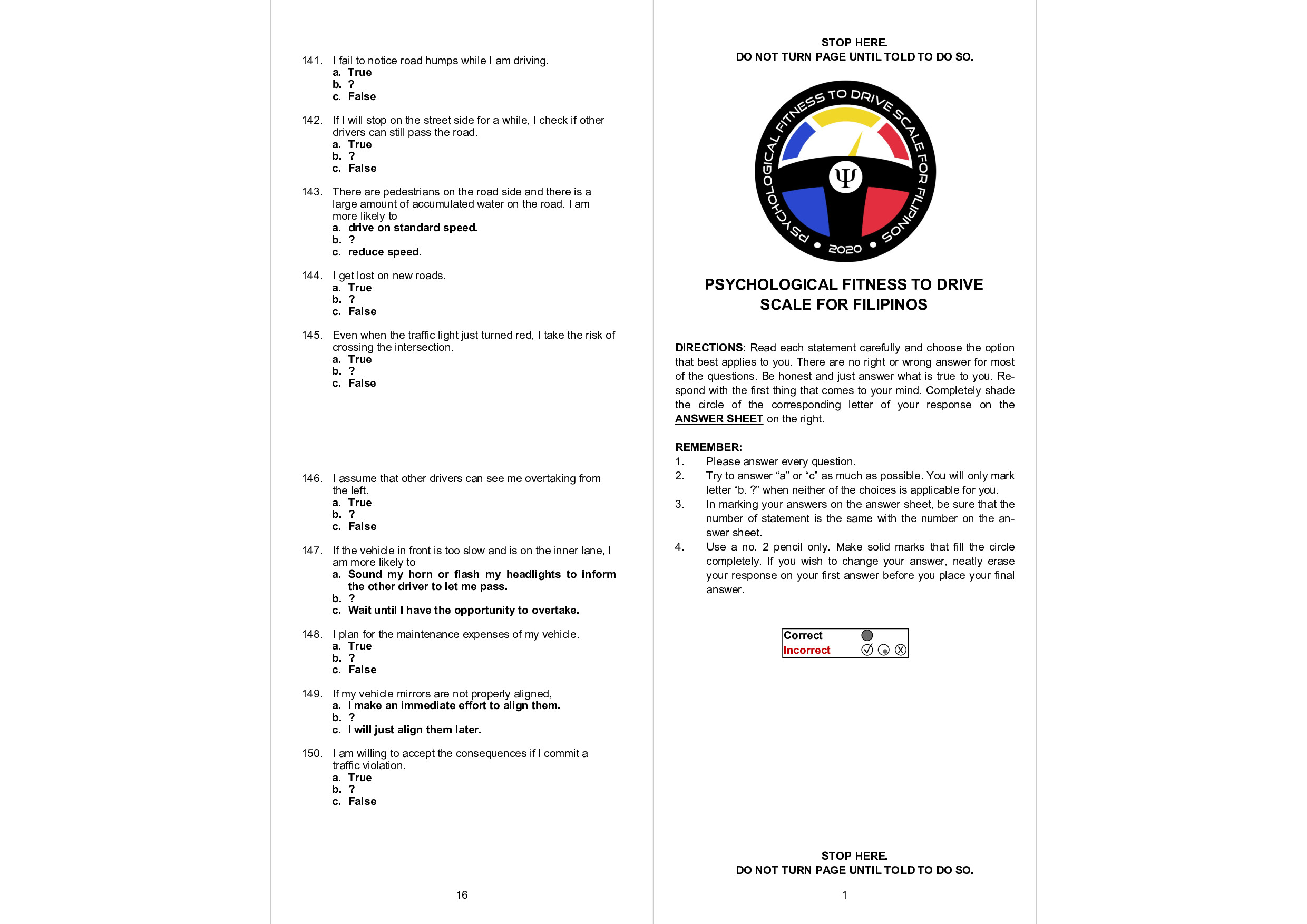
Appendix F: Digital Poster for Pilot Testing and Field Testing

Diagram, timeline

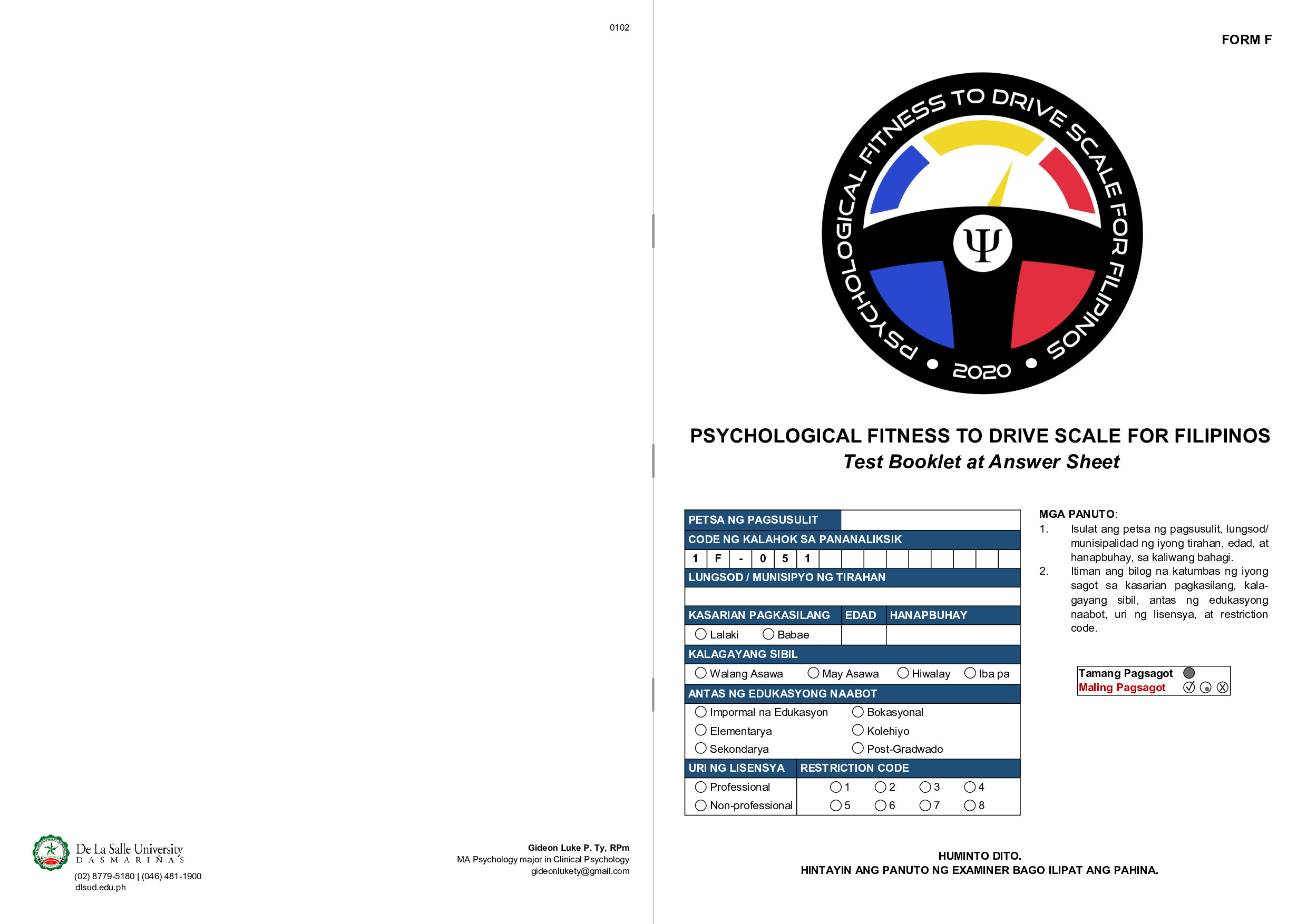
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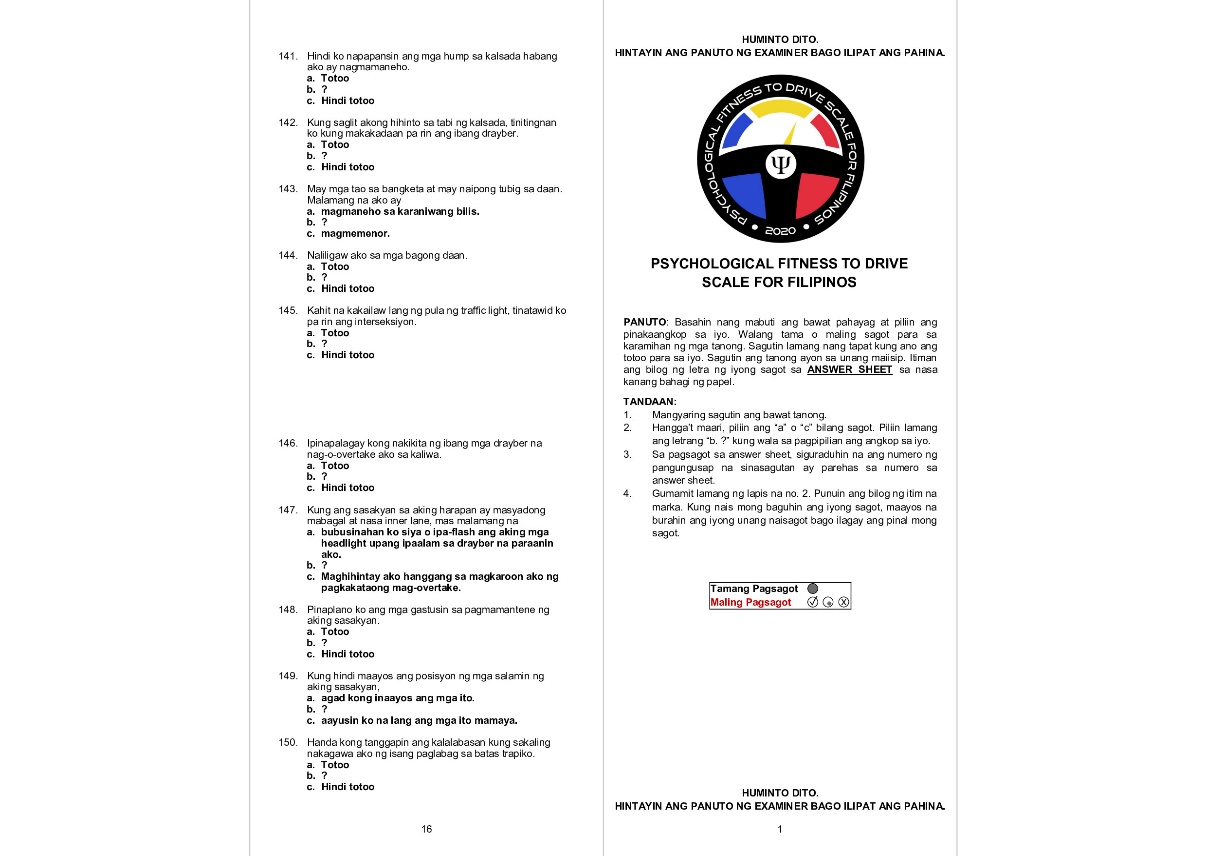
Appendix G: Sample Test Booklet (English)



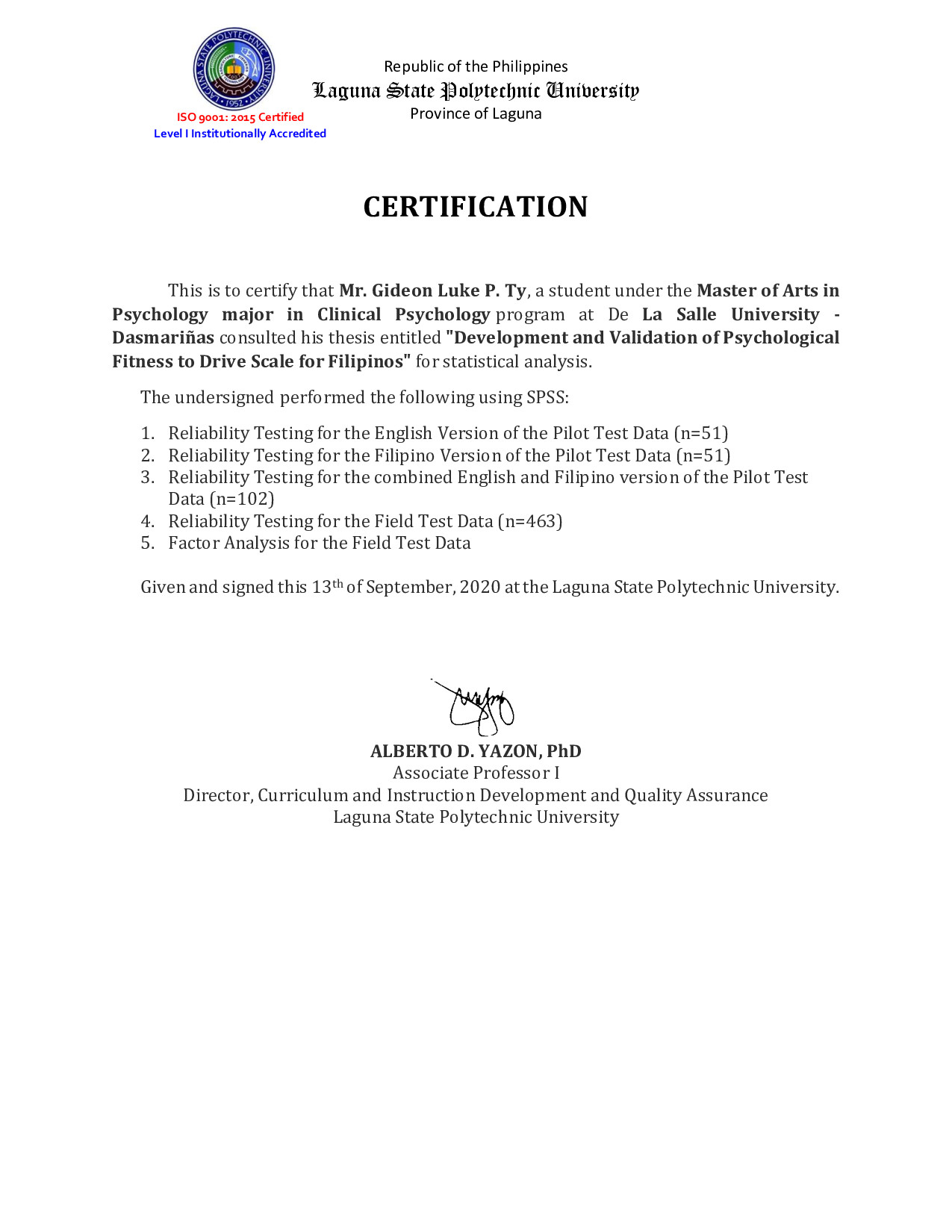


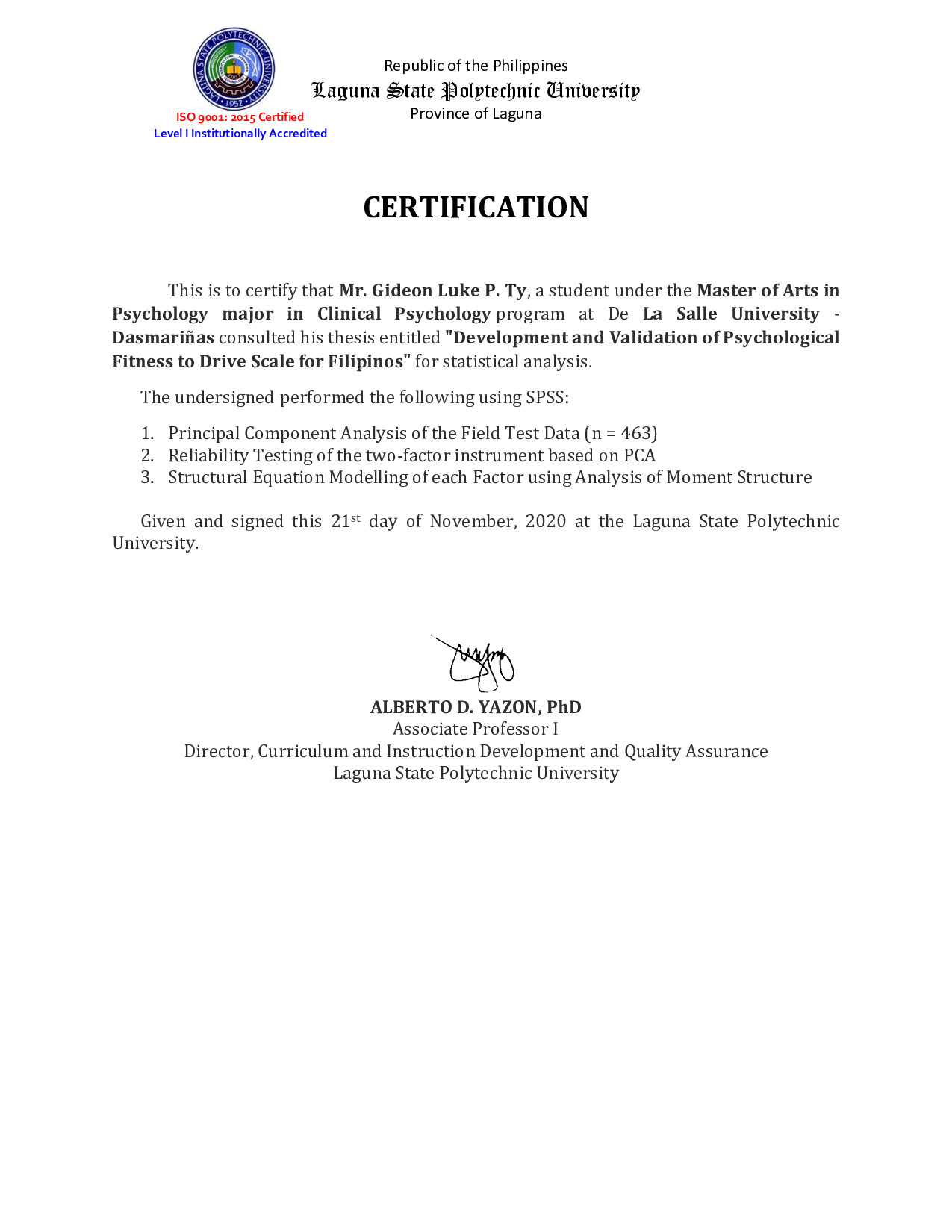
Appendix H: Sample Test Booklet (Filipino)

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Appendix I: Certificate of Statistical Analysis

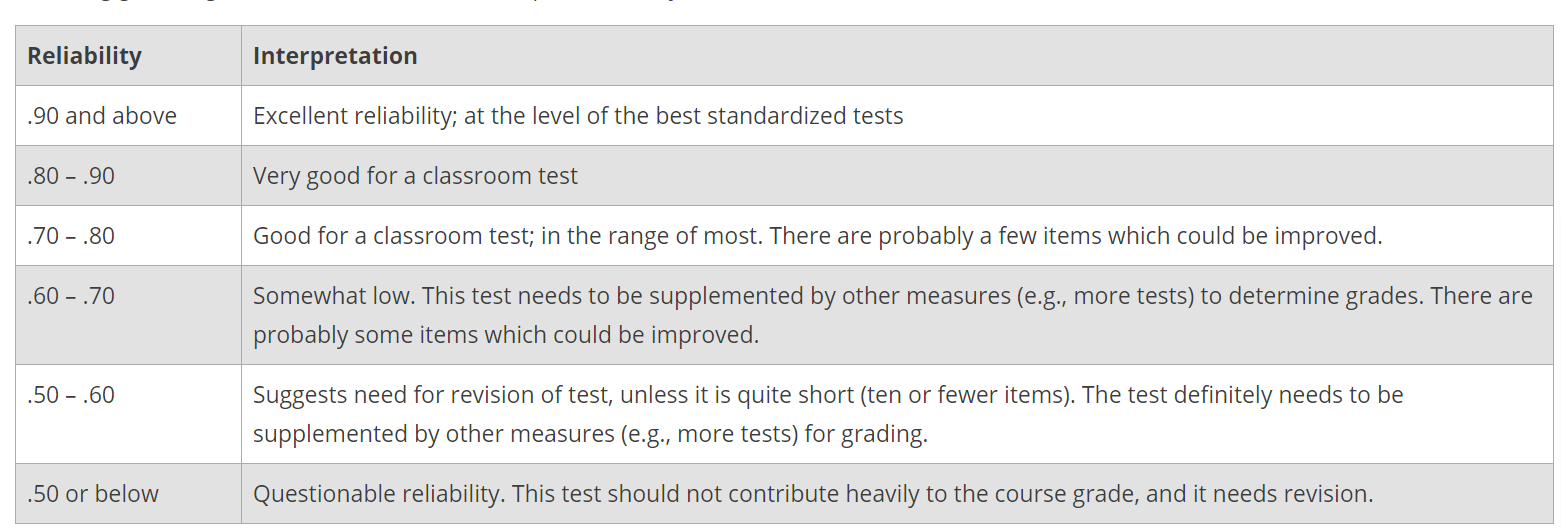
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Appendix J: Result of Statistical Analysis

1. Result of Reliability Analysis for Pilot Testing

**How to Interpret the Reliability Index?**

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**Source:** ScorePak® is Cronbach’s Alpha; https://www.washington.edu/assessment/scanning-scoring/scoring/reports/item-analysis/

**Reliability (English Version)**

**Scale: ALL VARIABLES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Case Processing Summary** | | | | | |
|  | | | N | | % |
| Cases | Valid | | 43 | | 84.3 |
| Excludeda | | 8 | | 15.7 |
| Total | | 51 | | 100.0 |
| a. Listwise deletion based on all variables in the procedure. | | | | | |
| **Reliability Statistics** | | | |
| Cronbach's Alpha | | N of Items | |
| .879 | | 154 | |

**VERY GOOD RELIABILITY**

**Reliability (Filipino Version)**

**Scale: ALL VARIABLES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Case Processing Summary** | | | | | |
|  | | | N | | % |
| Cases | Valid | | 42 | | 82.4 |
| Excludeda | | 9 | | 17.6 |
| Total | | 51 | | 100.0 |
| a. Listwise deletion based on all variables in the procedure. | | | | | |
| **Reliability Statistics** | | | |
| Cronbach's Alpha | | N of Items | |
| .907 | | 154 | |

**EXCELLENT RELIABILITY**

**Reliability (English and Filipino Version)**

**Scale: ALL VARIABLES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Case Processing Summary** | | | | | |
|  | | | N | | % |
| Cases | Valid | | 85 | | 83.3 |
| Excludeda | | 17 | | 16.7 |
| Total | | 102 | | 100.0 |
| a. Listwise deletion based on all variables in the procedure. | | | | | |
| **Reliability Statistics** | | | |
| Cronbach's Alpha | | N of Items | |
| .891 | | 154 | |

**VERY GOOD RELIABILITY**

1. Result of Initial Reliability Analysis for Field Testing

**Reliability (FIELD TESTING DATA)**

**Scale: ALL VARIABLES**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case Processing Summary** | | | |
|  | | N | % |
| Cases | Valid | 463 | 100.0 |
| Excludeda | 0 | .0 |
| Total | 463 | 100.0 |
| a. Listwise deletion based on all variables in the procedure. | | | |

|  |  |
| --- | --- |
| **Reliability Statistics** | |
| Cronbach's Alpha | N of Items |
| .966 | 154 |

**EXCELLENT RELIABILITY**

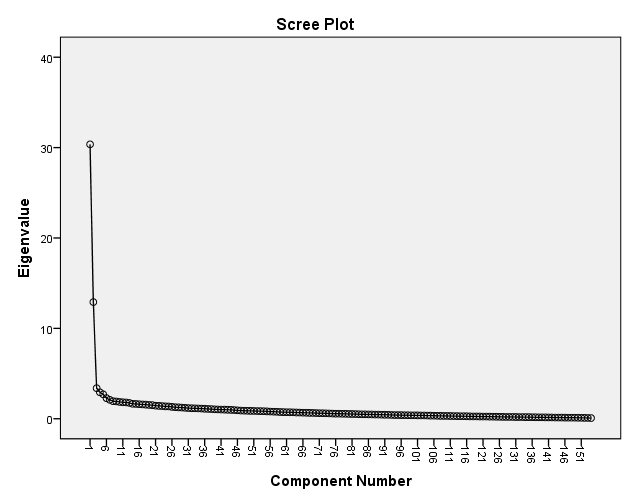
1. Result of First Exploratory Factor Analysis

**FACTOR ANALYSIS**

|  |  |  |
| --- | --- | --- |
| **KMO and Bartlett's Test** | | |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. | | .905 |
| Bartlett's Test of Sphericity | Approx. Chi-Square | 38245.145 |
| df | 11781 |
| Sig. | .000 |

The communalities of the indicators in each factor are above .30, which can be described as moderate to high. This may indicate that the variables chosen for this analysis are substantially related with each other. The value for Kaiser-Meyer-Olkin Measure of Sampling Adequacy (KMO) which is equal to .905 clearly indicates a very satisfactory factor analysis. Bartlett’s Test of Sphericity, which lets us know if there is a relationship between the variables, generated a p value < 0.05 denotes that there are significant relationships between the factors.

One hundred fifty – four (154) items relating to **Psychological Fitness to Drive** were factor analyzed using principal component analysis (PCA) with Varimax (orthogonal) rotation. The analysis yielded forty – two (42) factors (eigenvalues > 1) explaining a total of 68.37% of the variance for the entire set of variables (SEE DETAILED RESULTS IN EXCEL FILE).



1. Result of Second Factor Analysis

**Factor Analysis with 154 items on two factors**

|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Statistics** | | | |
|  | Mean | Std. Deviation | Analysis N |
| VAR00001 | 1.5313 | .82611 | 463 |
| VAR00002 | 1.4600 | .86165 | 463 |
| VAR00003 | 1.7667 | .59727 | 463 |
| VAR00004 | 1.4060 | .88232 | 463 |
| VAR00005 | 1.4600 | .86165 | 463 |
| VAR00006 | 1.7732 | .59795 | 463 |
| VAR00007 | .8747 | .96333 | 463 |
| VAR00008 | 1.4536 | .85881 | 463 |
| VAR00009 | 1.6739 | .69903 | 463 |
| VAR00010 | 1.5054 | .83968 | 463 |
| VAR00011 | 1.3888 | .89252 | 463 |
| VAR00012 | 1.6803 | .67531 | 463 |
| VAR00013 | 1.5767 | .77993 | 463 |
| VAR00014 | .8661 | .94628 | 463 |
| VAR00015 | 1.6458 | .72061 | 463 |
| VAR00016 | 1.5464 | .80414 | 463 |
| VAR00017 | 1.6782 | .69483 | 463 |
| VAR00018 | 1.7754 | .60058 | 463 |
| VAR00019 | 1.5896 | .77296 | 463 |
| VAR00020 | .7279 | .93247 | 463 |
| VAR00021 | 1.8164 | .53330 | 463 |
| VAR00022 | .9266 | .96643 | 463 |
| VAR00023 | 1.7106 | .66648 | 463 |
| VAR00024 | 1.2462 | .93966 | 463 |
| VAR00025 | 1.5162 | .82655 | 463 |
| VAR00026 | 1.0540 | .99962 | 463 |
| VAR00027 | .8510 | .98990 | 463 |
| VAR00028 | .3456 | .75694 | 463 |
| VAR00029 | 1.6674 | .70677 | 463 |
| VAR00030 | 1.7387 | .63344 | 463 |
| VAR00031 | 1.2441 | .94367 | 463 |
| VAR00032 | 1.3823 | .88437 | 463 |
| VAR00033 | 1.6069 | .75658 | 463 |
| VAR00034 | 1.3218 | .90100 | 463 |
| VAR00035 | 1.6156 | .60225 | 463 |
| VAR00036 | 1.6717 | .70573 | 463 |
| VAR00037 | 1.7171 | .66113 | 463 |
| VAR00038 | 1.6890 | .68568 | 463 |
| VAR00039 | 1.6631 | .71689 | 463 |
| VAR00040 | 1.7948 | .56887 | 463 |
| VAR00041 | 1.9525 | .21297 | 463 |
| VAR00042 | 1.9590 | .19859 | 463 |
| VAR00043 | .7883 | .94119 | 463 |
| VAR00044 | 1.6933 | .69701 | 463 |
| VAR00045 | .4471 | .79290 | 463 |
| VAR00046 | 1.2829 | .91634 | 463 |
| VAR00047 | 1.7041 | .66199 | 463 |
| VAR00048 | 1.6328 | .72012 | 463 |
| VAR00049 | 1.6868 | .68311 | 463 |
| VAR00050 | 1.0540 | .96435 | 463 |
| VAR00051 | 1.0648 | .97374 | 463 |
| VAR00052 | 1.4600 | .84900 | 463 |
| VAR00053 | 1.7041 | .67494 | 463 |
| VAR00054 | .8920 | .96093 | 463 |
| VAR00055 | 1.2073 | .94902 | 463 |
| VAR00056 | 1.3261 | .91376 | 463 |
| VAR00057 | 1.5810 | .76265 | 463 |
| VAR00058 | 1.6544 | .72181 | 463 |
| VAR00059 | 1.6415 | .73042 | 463 |
| VAR00060 | 1.4708 | .83660 | 463 |
| VAR00061 | 1.2808 | .93917 | 463 |
| VAR00062 | 1.7473 | .61270 | 463 |
| VAR00063 | .4644 | .81006 | 463 |
| VAR00064 | 1.3888 | .87290 | 463 |
| VAR00065 | 1.6868 | .69878 | 463 |
| VAR00066 | 1.9136 | .28125 | 463 |
| VAR00067 | 1.9222 | .26807 | 463 |
| VAR00068 | 1.9330 | .25021 | 463 |
| VAR00069 | 1.6112 | .76450 | 463 |
| VAR00070 | 1.6156 | .74376 | 463 |
| VAR00071 | 1.8099 | .54905 | 463 |
| VAR00072 | .9762 | .95203 | 463 |
| VAR00073 | 1.4212 | .86649 | 463 |
| VAR00074 | 1.0670 | .97026 | 463 |
| VAR00075 | 1.6004 | .77163 | 463 |
| VAR00076 | 1.1987 | .94859 | 463 |
| VAR00077 | 1.4017 | .89404 | 463 |
| VAR00078 | 1.2721 | .91844 | 463 |
| VAR00079 | 1.4190 | .87623 | 463 |
| VAR00080 | 1.3067 | .92401 | 463 |
| VAR00081 | 1.7019 | .66265 | 463 |
| VAR00082 | 1.1857 | .94894 | 463 |
| VAR00083 | 1.2894 | .90599 | 463 |
| VAR00084 | 1.3261 | .91376 | 463 |
| VAR00085 | 1.0432 | .97272 | 463 |
| VAR00086 | 1.3521 | .90407 | 463 |
| VAR00087 | 1.6048 | .74245 | 463 |
| VAR00088 | 1.1901 | .95264 | 463 |
| VAR00089 | 1.1210 | .94574 | 463 |
| VAR00090 | 1.3261 | .91376 | 463 |
| VAR00091 | 1.7927 | .58126 | 463 |
| VAR00092 | 1.6933 | .69077 | 463 |
| VAR00093 | 1.3024 | .92543 | 463 |
| VAR00094 | 1.6868 | .69255 | 463 |
| VAR00095 | 1.6220 | .76001 | 463 |
| VAR00096 | 1.4060 | .86748 | 463 |
| VAR00097 | 1.6890 | .68568 | 463 |
| VAR00098 | 1.2873 | .92908 | 463 |
| VAR00099 | 1.6782 | .69171 | 463 |
| VAR00100 | 1.4060 | .88721 | 463 |
| VAR00101 | 1.7948 | .57266 | 463 |
| VAR00102 | 1.5313 | .79948 | 463 |
| VAR00103 | 1.5810 | .76265 | 463 |
| VAR00104 | 1.7343 | .64520 | 463 |
| VAR00105 | 1.4536 | .85881 | 463 |
| VAR00106 | 1.3866 | .88249 | 463 |
| VAR00107 | 1.6609 | .71738 | 463 |
| VAR00108 | 1.7019 | .67559 | 463 |
| VAR00109 | 1.2246 | .93586 | 463 |
| VAR00110 | 1.1879 | .94509 | 463 |
| VAR00111 | 1.0778 | .96833 | 463 |
| VAR00112 | 1.6156 | .72609 | 463 |
| VAR00113 | .6955 | .89981 | 463 |
| VAR00114 | 1.1577 | .94604 | 463 |
| VAR00115 | 1.5918 | .75571 | 463 |
| VAR00116 | 1.6544 | .71881 | 463 |
| VAR00117 | 1.0713 | .96771 | 463 |
| VAR00118 | 1.5961 | .77218 | 463 |
| VAR00119 | 1.6739 | .68968 | 463 |
| VAR00120 | 1.2635 | .90675 | 463 |
| VAR00121 | 1.8294 | .52124 | 463 |
| VAR00122 | 1.6652 | .68867 | 463 |
| VAR00123 | 1.0022 | .95459 | 463 |
| VAR00124 | 1.3153 | .90688 | 463 |
| VAR00125 | 1.3758 | .86366 | 463 |
| VAR00126 | 1.5356 | .77733 | 463 |
| VAR00127 | 1.4449 | .86583 | 463 |
| VAR00128 | 1.0907 | .96720 | 463 |
| VAR00129 | 1.3369 | .89906 | 463 |
| VAR00130 | 1.3737 | .89534 | 463 |
| VAR00131 | 1.8056 | .54754 | 463 |
| VAR00132 | 1.4600 | .84389 | 463 |
| VAR00133 | 1.2095 | .94052 | 463 |
| VAR00134 | 1.3629 | .89375 | 463 |
| VAR00135 | .6652 | .90586 | 463 |
| VAR00136 | 1.5054 | .81880 | 463 |
| VAR00137 | 1.4752 | .84447 | 463 |
| VAR00138 | 1.0691 | .25392 | 463 |
| VAR00139 | 1.6847 | .68370 | 463 |
| VAR00140 | 1.2765 | .93583 | 463 |
| VAR00141 | 1.1555 | .95437 | 463 |
| VAR00142 | 1.6652 | .70421 | 463 |
| VAR00143 | 1.4471 | .85591 | 463 |
| VAR00144 | .7927 | .92827 | 463 |
| VAR00145 | 1.3909 | .88792 | 463 |
| VAR00146 | .8013 | .93480 | 463 |
| VAR00147 | .9849 | .97245 | 463 |
| VAR00148 | 1.6199 | .74888 | 463 |
| VAR00149 | 1.7451 | .61708 | 463 |
| VAR00150 | 1.7279 | .63742 | 463 |
| VAR00151 | .9870 | .96914 | 463 |
| VAR00152 | 1.4644 | .84408 | 463 |
| VAR00153 | 1.7451 | .61357 | 463 |
| VAR00154 | 1.5248 | .81844 | 463 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **KMO and Bartlett's Test** | | | | |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. | | | .905 | |
| Bartlett's Test of Sphericity | Approx. Chi-Square | | 38245.145 | |
| df | | 11781 | |
| Sig. | | 0.000 | |
| **Communalities** | | | | | |
|  | | Initial | | Extraction | |
| VAR00001 | | 1.000 | | .470 | |
| VAR00002 | | 1.000 | | .433 | |
| VAR00003 | | 1.000 | | .232 | |
| VAR00004 | | 1.000 | | .427 | |
| VAR00005 | | 1.000 | | .392 | |
| VAR00006 | | 1.000 | | .236 | |
| VAR00007 | | 1.000 | | .048 | |
| VAR00008 | | 1.000 | | .415 | |
| VAR00009 | | 1.000 | | .208 | |
| VAR00010 | | 1.000 | | .435 | |
| VAR00011 | | 1.000 | | .541 | |
| VAR00012 | | 1.000 | | .279 | |
| VAR00013 | | 1.000 | | .308 | |
| VAR00014 | | 1.000 | | .101 | |
| VAR00015 | | 1.000 | | .397 | |
| VAR00016 | | 1.000 | | .364 | |
| VAR00017 | | 1.000 | | .229 | |
| VAR00018 | | 1.000 | | .221 | |
| VAR00019 | | 1.000 | | .212 | |
| VAR00020 | | 1.000 | | .135 | |
| VAR00021 | | 1.000 | | .303 | |
| VAR00022 | | 1.000 | | .208 | |
| VAR00023 | | 1.000 | | .374 | |
| VAR00024 | | 1.000 | | .257 | |
| VAR00025 | | 1.000 | | .366 | |
| VAR00026 | | 1.000 | | .285 | |
| VAR00027 | | 1.000 | | .114 | |
| VAR00028 | | 1.000 | | .123 | |
| VAR00029 | | 1.000 | | .273 | |
| VAR00030 | | 1.000 | | .144 | |
| VAR00031 | | 1.000 | | .411 | |
| VAR00032 | | 1.000 | | .362 | |
| VAR00033 | | 1.000 | | .271 | |
| VAR00034 | | 1.000 | | .311 | |
| VAR00035 | | 1.000 | | .059 | |
| VAR00036 | | 1.000 | | .246 | |
| VAR00037 | | 1.000 | | .345 | |
| VAR00038 | | 1.000 | | .322 | |
| VAR00039 | | 1.000 | | .321 | |
| VAR00040 | | 1.000 | | .246 | |
| VAR00041 | | 1.000 | | .078 | |
| VAR00042 | | 1.000 | | .104 | |
| VAR00043 | | 1.000 | | .069 | |
| VAR00044 | | 1.000 | | .216 | |
| VAR00045 | | 1.000 | | .137 | |
| VAR00046 | | 1.000 | | .323 | |
| VAR00047 | | 1.000 | | .255 | |
| VAR00048 | | 1.000 | | .258 | |
| VAR00049 | | 1.000 | | .379 | |
| VAR00050 | | 1.000 | | .266 | |
| VAR00051 | | 1.000 | | .364 | |
| VAR00052 | | 1.000 | | .372 | |
| VAR00053 | | 1.000 | | .282 | |
| VAR00054 | | 1.000 | | .130 | |
| VAR00055 | | 1.000 | | .313 | |
| VAR00056 | | 1.000 | | .314 | |
| VAR00057 | | 1.000 | | .238 | |
| VAR00058 | | 1.000 | | .352 | |
| VAR00059 | | 1.000 | | .365 | |
| VAR00060 | | 1.000 | | .413 | |
| VAR00061 | | 1.000 | | .519 | |
| VAR00062 | | 1.000 | | .277 | |
| VAR00063 | | 1.000 | | .220 | |
| VAR00064 | | 1.000 | | .378 | |
| VAR00065 | | 1.000 | | .264 | |
| VAR00066 | | 1.000 | | .074 | |
| VAR00067 | | 1.000 | | .086 | |
| VAR00068 | | 1.000 | | .015 | |
| VAR00069 | | 1.000 | | .182 | |
| VAR00070 | | 1.000 | | .292 | |
| VAR00071 | | 1.000 | | .348 | |
| VAR00072 | | 1.000 | | .133 | |
| VAR00073 | | 1.000 | | .428 | |
| VAR00074 | | 1.000 | | .174 | |
| VAR00075 | | 1.000 | | .225 | |
| VAR00076 | | 1.000 | | .407 | |
| VAR00077 | | 1.000 | | .379 | |
| VAR00078 | | 1.000 | | .318 | |
| VAR00079 | | 1.000 | | .425 | |
| VAR00080 | | 1.000 | | .388 | |
| VAR00081 | | 1.000 | | .160 | |
| VAR00082 | | 1.000 | | .131 | |
| VAR00083 | | 1.000 | | .092 | |
| VAR00084 | | 1.000 | | .399 | |
| VAR00085 | | 1.000 | | .168 | |
| VAR00086 | | 1.000 | | .422 | |
| VAR00087 | | 1.000 | | .202 | |
| VAR00088 | | 1.000 | | .244 | |
| VAR00089 | | 1.000 | | .216 | |
| VAR00090 | | 1.000 | | .386 | |
| VAR00091 | | 1.000 | | .264 | |
| VAR00092 | | 1.000 | | .305 | |
| VAR00093 | | 1.000 | | .315 | |
| VAR00094 | | 1.000 | | .329 | |
| VAR00095 | | 1.000 | | .370 | |
| VAR00096 | | 1.000 | | .448 | |
| VAR00097 | | 1.000 | | .348 | |
| VAR00098 | | 1.000 | | .393 | |
| VAR00099 | | 1.000 | | .331 | |
| VAR00100 | | 1.000 | | .495 | |
| VAR00101 | | 1.000 | | .224 | |
| VAR00102 | | 1.000 | | .176 | |
| VAR00103 | | 1.000 | | .369 | |
| VAR00104 | | 1.000 | | .329 | |
| VAR00105 | | 1.000 | | .437 | |
| VAR00106 | | 1.000 | | .341 | |
| VAR00107 | | 1.000 | | .196 | |
| VAR00108 | | 1.000 | | .247 | |
| VAR00109 | | 1.000 | | .398 | |
| VAR00110 | | 1.000 | | .293 | |
| VAR00111 | | 1.000 | | .404 | |
| VAR00112 | | 1.000 | | .224 | |
| VAR00113 | | 1.000 | | .082 | |
| VAR00114 | | 1.000 | | .199 | |
| VAR00115 | | 1.000 | | .201 | |
| VAR00116 | | 1.000 | | .301 | |
| VAR00117 | | 1.000 | | .142 | |
| VAR00118 | | 1.000 | | .325 | |
| VAR00119 | | 1.000 | | .319 | |
| VAR00120 | | 1.000 | | .369 | |
| VAR00121 | | 1.000 | | .262 | |
| VAR00122 | | 1.000 | | .386 | |
| VAR00123 | | 1.000 | | .150 | |
| VAR00124 | | 1.000 | | .397 | |
| VAR00125 | | 1.000 | | .133 | |
| VAR00126 | | 1.000 | | .225 | |
| VAR00127 | | 1.000 | | .366 | |
| VAR00128 | | 1.000 | | .291 | |
| VAR00129 | | 1.000 | | .011 | |
| VAR00130 | | 1.000 | | .451 | |
| VAR00131 | | 1.000 | | .210 | |
| VAR00132 | | 1.000 | | .455 | |
| VAR00133 | | 1.000 | | .387 | |
| VAR00134 | | 1.000 | | .379 | |
| VAR00135 | | 1.000 | | .077 | |
| VAR00136 | | 1.000 | | .361 | |
| VAR00137 | | 1.000 | | .159 | |
| VAR00138 | | 1.000 | | .046 | |
| VAR00139 | | 1.000 | | .283 | |
| VAR00140 | | 1.000 | | .288 | |
| VAR00141 | | 1.000 | | .462 | |
| VAR00142 | | 1.000 | | .289 | |
| VAR00143 | | 1.000 | | .360 | |
| VAR00144 | | 1.000 | | .170 | |
| VAR00145 | | 1.000 | | .483 | |
| VAR00146 | | 1.000 | | .088 | |
| VAR00147 | | 1.000 | | .193 | |
| VAR00148 | | 1.000 | | .294 | |
| VAR00149 | | 1.000 | | .307 | |
| VAR00150 | | 1.000 | | .335 | |
| VAR00151 | | 1.000 | | .358 | |
| VAR00152 | | 1.000 | | .385 | |
| VAR00153 | | 1.000 | | .279 | |
| VAR00154 | | 1.000 | | .171 | |
| Extraction Method: Principal Component Analysis. | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Total Variance Explained** | | | | | | | |
| Component | Initial Eigenvalues | | | Extraction Sums of Squared Loadings | | | Rotation Sums of Squared Loadingsa |
| Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative % | Total |
| 1 | 30.361 | 19.715 | 19.715 | 30.361 | 19.715 | 19.715 | 25.548 |
| 2 | 12.907 | 8.381 | 28.096 | 12.907 | 8.381 | **28.096** | 21.341 |
| 3 | 3.379 | 2.194 | 30.290 |  |  |  |  |
| 4 | 2.930 | 1.903 | 32.193 |  |  |  |  |
| 5 | 2.700 | 1.754 | 33.946 |  |  |  |  |
| 6 | 2.283 | 1.483 | 35.429 |  |  |  |  |
| 7 | 2.095 | 1.361 | 36.790 |  |  |  |  |
| 8 | 1.944 | 1.262 | 38.052 |  |  |  |  |
| 9 | 1.913 | 1.242 | 39.294 |  |  |  |  |
| 10 | 1.865 | 1.211 | 40.505 |  |  |  |  |
| 11 | 1.826 | 1.186 | 41.691 |  |  |  |  |
| 12 | 1.803 | 1.171 | 42.862 |  |  |  |  |
| 13 | 1.747 | 1.135 | 43.996 |  |  |  |  |
| 14 | 1.652 | 1.073 | 45.069 |  |  |  |  |
| 15 | 1.637 | 1.063 | 46.132 |  |  |  |  |
| 16 | 1.612 | 1.047 | 47.179 |  |  |  |  |
| 17 | 1.585 | 1.029 | 48.208 |  |  |  |  |
| 18 | 1.563 | 1.015 | 49.223 |  |  |  |  |
| 19 | 1.528 | .992 | 50.215 |  |  |  |  |
| 20 | 1.510 | .980 | 51.196 |  |  |  |  |
| 21 | 1.446 | .939 | 52.135 |  |  |  |  |
| 22 | 1.425 | .925 | 53.060 |  |  |  |  |
| 23 | 1.407 | .914 | 53.974 |  |  |  |  |
| 24 | 1.370 | .890 | 54.863 |  |  |  |  |
| 25 | 1.360 | .883 | 55.746 |  |  |  |  |
| 26 | 1.314 | .853 | 56.599 |  |  |  |  |
| 27 | 1.282 | .833 | 57.432 |  |  |  |  |
| 28 | 1.260 | .818 | 58.250 |  |  |  |  |
| 29 | 1.240 | .805 | 59.055 |  |  |  |  |
| 30 | 1.210 | .786 | 59.841 |  |  |  |  |
| 31 | 1.184 | .769 | 60.610 |  |  |  |  |
| 32 | 1.161 | .754 | 61.364 |  |  |  |  |
| 33 | 1.155 | .750 | 62.114 |  |  |  |  |
| 34 | 1.139 | .740 | 62.854 |  |  |  |  |
| 35 | 1.128 | .732 | 63.586 |  |  |  |  |
| 36 | 1.106 | .718 | 64.305 |  |  |  |  |
| 37 | 1.086 | .705 | 65.010 |  |  |  |  |
| 38 | 1.072 | .696 | 65.706 |  |  |  |  |
| 39 | 1.045 | .678 | 66.384 |  |  |  |  |
| 40 | 1.035 | .672 | 67.057 |  |  |  |  |
| 41 | 1.020 | .662 | 67.719 |  |  |  |  |
| 42 | 1.009 | .655 | 68.374 |  |  |  |  |
| 43 | .998 | .648 | 69.022 |  |  |  |  |
| 44 | .982 | .638 | 69.660 |  |  |  |  |
| 45 | .962 | .625 | 70.285 |  |  |  |  |
| 46 | .930 | .604 | 70.888 |  |  |  |  |
| 47 | .904 | .587 | 71.476 |  |  |  |  |
| 48 | .892 | .579 | 72.055 |  |  |  |  |
| 49 | .880 | .571 | 72.627 |  |  |  |  |
| 50 | .870 | .565 | 73.192 |  |  |  |  |
| 51 | .861 | .559 | 73.751 |  |  |  |  |
| 52 | .853 | .554 | 74.305 |  |  |  |  |
| 53 | .843 | .548 | 74.852 |  |  |  |  |
| 54 | .838 | .544 | 75.397 |  |  |  |  |
| 55 | .818 | .531 | 75.928 |  |  |  |  |
| 56 | .796 | .517 | 76.445 |  |  |  |  |
| 57 | .781 | .507 | 76.952 |  |  |  |  |
| 58 | .765 | .497 | 77.449 |  |  |  |  |
| 59 | .746 | .485 | 77.934 |  |  |  |  |
| 60 | .736 | .478 | 78.411 |  |  |  |  |
| 61 | .723 | .470 | 78.881 |  |  |  |  |
| 62 | .719 | .467 | 79.348 |  |  |  |  |
| 63 | .712 | .462 | 79.810 |  |  |  |  |
| 64 | .690 | .448 | 80.258 |  |  |  |  |
| 65 | .683 | .444 | 80.702 |  |  |  |  |
| 66 | .673 | .437 | 81.139 |  |  |  |  |
| 67 | .662 | .430 | 81.569 |  |  |  |  |
| 68 | .650 | .422 | 81.991 |  |  |  |  |
| 69 | .646 | .420 | 82.411 |  |  |  |  |
| 70 | .630 | .409 | 82.820 |  |  |  |  |
| 71 | .618 | .401 | 83.221 |  |  |  |  |
| 72 | .613 | .398 | 83.619 |  |  |  |  |
| 73 | .600 | .390 | 84.009 |  |  |  |  |
| 74 | .585 | .380 | 84.389 |  |  |  |  |
| 75 | .579 | .376 | 84.765 |  |  |  |  |
| 76 | .563 | .366 | 85.131 |  |  |  |  |
| 77 | .558 | .362 | 85.493 |  |  |  |  |
| 78 | .550 | .357 | 85.850 |  |  |  |  |
| 79 | .547 | .355 | 86.205 |  |  |  |  |
| 80 | .535 | .347 | 86.553 |  |  |  |  |
| 81 | .524 | .340 | 86.893 |  |  |  |  |
| 82 | .518 | .336 | 87.229 |  |  |  |  |
| 83 | .503 | .327 | 87.556 |  |  |  |  |
| 84 | .495 | .321 | 87.878 |  |  |  |  |
| 85 | .487 | .316 | 88.194 |  |  |  |  |
| 86 | .482 | .313 | 88.507 |  |  |  |  |
| 87 | .474 | .308 | 88.815 |  |  |  |  |
| 88 | .468 | .304 | 89.119 |  |  |  |  |
| 89 | .460 | .299 | 89.417 |  |  |  |  |
| 90 | .451 | .293 | 89.710 |  |  |  |  |
| 91 | .445 | .289 | 89.999 |  |  |  |  |
| 92 | .441 | .286 | 90.285 |  |  |  |  |
| 93 | .419 | .272 | 90.557 |  |  |  |  |
| 94 | .412 | .268 | 90.825 |  |  |  |  |
| 95 | .407 | .265 | 91.090 |  |  |  |  |
| 96 | .404 | .262 | 91.352 |  |  |  |  |
| 97 | .396 | .257 | 91.609 |  |  |  |  |
| 98 | .393 | .255 | 91.865 |  |  |  |  |
| 99 | .383 | .249 | 92.114 |  |  |  |  |
| 100 | .382 | .248 | 92.362 |  |  |  |  |
| 101 | .374 | .243 | 92.605 |  |  |  |  |
| 102 | .366 | .238 | 92.843 |  |  |  |  |
| 103 | .364 | .237 | 93.079 |  |  |  |  |
| 104 | .349 | .227 | 93.306 |  |  |  |  |
| 105 | .345 | .224 | 93.530 |  |  |  |  |
| 106 | .339 | .220 | 93.750 |  |  |  |  |
| 107 | .329 | .213 | 93.963 |  |  |  |  |
| 108 | .318 | .207 | 94.170 |  |  |  |  |
| 109 | .310 | .202 | 94.372 |  |  |  |  |
| 110 | .308 | .200 | 94.572 |  |  |  |  |
| 111 | .306 | .198 | 94.770 |  |  |  |  |
| 112 | .301 | .196 | 94.966 |  |  |  |  |
| 113 | .293 | .190 | 95.156 |  |  |  |  |
| 114 | .288 | .187 | 95.343 |  |  |  |  |
| 115 | .281 | .183 | 95.525 |  |  |  |  |
| 116 | .275 | .179 | 95.704 |  |  |  |  |
| 117 | .264 | .172 | 95.876 |  |  |  |  |
| 118 | .258 | .168 | 96.043 |  |  |  |  |
| 119 | .256 | .166 | 96.210 |  |  |  |  |
| 120 | .250 | .163 | 96.372 |  |  |  |  |
| 121 | .246 | .160 | 96.532 |  |  |  |  |
| 122 | .243 | .158 | 96.690 |  |  |  |  |
| 123 | .234 | .152 | 96.842 |  |  |  |  |
| 124 | .229 | .149 | 96.990 |  |  |  |  |
| 125 | .224 | .145 | 97.136 |  |  |  |  |
| 126 | .218 | .141 | 97.277 |  |  |  |  |
| 127 | .210 | .137 | 97.414 |  |  |  |  |
| 128 | .204 | .132 | 97.546 |  |  |  |  |
| 129 | .202 | .131 | 97.677 |  |  |  |  |
| 130 | .198 | .129 | 97.806 |  |  |  |  |
| 131 | .194 | .126 | 97.932 |  |  |  |  |
| 132 | .191 | .124 | 98.056 |  |  |  |  |
| 133 | .185 | .120 | 98.176 |  |  |  |  |
| 134 | .181 | .117 | 98.294 |  |  |  |  |
| 135 | .179 | .116 | 98.410 |  |  |  |  |
| 136 | .177 | .115 | 98.525 |  |  |  |  |
| 137 | .165 | .107 | 98.632 |  |  |  |  |
| 138 | .159 | .103 | 98.735 |  |  |  |  |
| 139 | .158 | .103 | 98.837 |  |  |  |  |
| 140 | .151 | .098 | 98.935 |  |  |  |  |
| 141 | .147 | .095 | 99.030 |  |  |  |  |
| 142 | .143 | .093 | 99.123 |  |  |  |  |
| 143 | .135 | .088 | 99.211 |  |  |  |  |
| 144 | .132 | .086 | 99.296 |  |  |  |  |
| 145 | .129 | .084 | 99.380 |  |  |  |  |
| 146 | .123 | .080 | 99.460 |  |  |  |  |
| 147 | .121 | .078 | 99.539 |  |  |  |  |
| 148 | .116 | .075 | 99.614 |  |  |  |  |
| 149 | .114 | .074 | 99.688 |  |  |  |  |
| 150 | .110 | .072 | 99.760 |  |  |  |  |
| 151 | .104 | .068 | 99.828 |  |  |  |  |
| 152 | .096 | .062 | 99.890 |  |  |  |  |
| 153 | .090 | .059 | 99.948 |  |  |  |  |
| 154 | .079 | .052 | 100.000 |  |  |  |  |
| Extraction Method: Principal Component Analysis. | | | | | | | |
| a. When components are correlated, sums of squared loadings cannot be added to obtain a total variance. | | | | | | | |

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| --- | --- | --- |
| **Component Matrixa** | | |
|  | Component | |
| 1 | 2 |
| VAR00011 | .717 |  |
| VAR00061 | .690 |  |
| VAR00001 | .685 |  |
| VAR00132 | .675 |  |
| VAR00100 | .673 |  |
| VAR00145 | .665 |  |
| VAR00130 | .639 |  |
| VAR00060 | .633 |  |
| VAR00141 | .632 |  |
| VAR00010 | .628 |  |
| VAR00008 | .624 |  |
| VAR00105 | .615 |  |
| VAR00096 | .613 |  |
| VAR00002 | .610 |  |
| VAR00052 | .607 |  |
| VAR00111 | .604 |  |
| VAR00031 | .593 |  |
| VAR00073 | .588 |  |
| VAR00015 | .586 |  |
| VAR00077 | .585 |  |
| VAR00133 | .583 |  |
| VAR00127 | .580 |  |
| VAR00124 | .579 |  |
| VAR00076 | .579 |  |
| VAR00143 | .576 |  |
| VAR00079 | .576 | -.305 |
| VAR00152 | .574 |  |
| VAR00084 | .574 |  |
| VAR00103 | .572 |  |
| VAR00151 | .572 |  |
| VAR00025 | .569 |  |
| VAR00134 | .568 |  |
| VAR00004 | .567 | -.324 |
| VAR00064 | .562 |  |
| VAR00086 | .561 | -.328 |
| VAR00032 | .560 |  |
| VAR00016 | .559 |  |
| VAR00098 | .557 |  |
| VAR00109 | .548 | -.313 |
| VAR00005 | .547 | -.304 |
| VAR00106 | .538 |  |
| VAR00140 | .532 |  |
| VAR00051 | .525 |  |
| VAR00080 | .524 | -.336 |
| VAR00090 | .521 | -.339 |
| VAR00093 | .517 |  |
| VAR00034 | .512 |  |
| VAR00120 | .506 | -.336 |
| VAR00013 | .504 |  |
| VAR00026 | .504 |  |
| VAR00046 | .495 |  |
| VAR00056 | .494 |  |
| VAR00038 | .492 |  |
| VAR00078 | .490 |  |
| VAR00023 | .488 | .369 |
| VAR00095 | .481 | .372 |
| VAR00122 | .481 | .393 |
| VAR00128 | .481 |  |
| VAR00055 | .477 |  |
| VAR00110 | .475 |  |
| VAR00049 | .472 | .396 |
| VAR00058 | .471 | .361 |
| VAR00059 | .468 | .382 |
| VAR00118 | .458 | .340 |
| VAR00097 | .458 | .372 |
| VAR00099 | .458 | .348 |
| VAR00092 | .453 | .315 |
| VAR00039 | .448 | .346 |
| VAR00037 | .447 | .381 |
| VAR00150 | .446 | .368 |
| VAR00136 | .443 | .406 |
| VAR00104 | .439 | .369 |
| VAR00116 | .438 | .330 |
| VAR00094 | .435 | .374 |
| VAR00153 | .429 | .309 |
| VAR00062 | .428 | .305 |
| VAR00119 | .423 | .375 |
| VAR00024 | .422 |  |
| VAR00108 | .421 |  |
| VAR00147 | .419 |  |
| VAR00050 | .417 | -.303 |
| VAR00149 | .415 | .368 |
| VAR00019 | .410 |  |
| VAR00006 | .409 |  |
| VAR00148 | .406 | .360 |
| VAR00048 | .405 | .307 |
| VAR00040 | .402 |  |
| VAR00053 | .399 | .350 |
| VAR00033 | .396 | .338 |
| VAR00036 | .392 | .303 |
| VAR00012 | .387 | .360 |
| VAR00003 | .383 |  |
| VAR00070 | .383 | .381 |
| VAR00047 | .379 | .333 |
| VAR00018 | .378 |  |
| VAR00017 | .376 |  |
| VAR00029 | .373 | .366 |
| VAR00065 | .368 | .360 |
| VAR00044 | .366 |  |
| VAR00114 | .360 |  |
| VAR00088 | .354 | -.345 |
| VAR00107 | .348 |  |
| VAR00101 | .346 | .323 |
| VAR00115 | .337 |  |
| VAR00089 | .335 | -.322 |
| VAR00009 | .332 | .313 |
| VAR00074 | .325 |  |
| VAR00030 | .321 |  |
| VAR00117 | .315 |  |
| VAR00069 | .306 |  |
| VAR00045 |  |  |
| VAR00125 |  |  |
| VAR00082 |  |  |
| VAR00042 |  |  |
| VAR00014 |  |  |
| VAR00041 |  |  |
| VAR00067 |  |  |
| VAR00007 |  |  |
| VAR00138 |  |  |
| VAR00071 | .395 | .438 |
| VAR00142 | .326 | .427 |
| VAR00091 | .317 | .404 |
| VAR00121 | .320 | .400 |
| VAR00144 |  | -.398 |
| VAR00021 | .387 | .391 |
| VAR00063 |  | -.381 |
| VAR00139 | .374 | .379 |
| VAR00057 | .321 | .367 |
| VAR00126 | .323 | .347 |
| VAR00075 | .326 | .344 |
| VAR00131 | .304 | .343 |
| VAR00081 |  | .342 |
| VAR00112 | .329 | .341 |
| VAR00022 | .303 | -.341 |
| VAR00087 |  | .338 |
| VAR00020 |  | -.337 |
| VAR00137 |  | .328 |
| VAR00085 |  | -.325 |
| VAR00102 |  | .318 |
| VAR00123 |  | -.306 |
| VAR00072 |  | -.302 |
| VAR00154 |  |  |
| VAR00146 |  |  |
| VAR00083 |  |  |
| VAR00113 |  |  |
| VAR00054 |  |  |
| VAR00028 |  |  |
| VAR00027 |  |  |
| VAR00135 |  |  |
| VAR00035 |  |  |
| VAR00066 |  |  |
| VAR00043 |  |  |
| VAR00068 |  |  |
| VAR00129 |  |  |
| Extraction Method: Principal Component Analysis. | | |
| a. 2 components extracted. | | |

|  |  |  |
| --- | --- | --- |
| **Pattern Matrixa** | | |
|  | Component | |
| 1 | 2 |
| VAR00061 | .655 |  |
| VAR00004 | .648 |  |
| VAR00086 | .646 |  |
| VAR00011 | .644 |  |
| VAR00141 | .644 |  |
| VAR00096 | .642 |  |
| VAR00079 | .641 |  |
| VAR00100 | .640 |  |
| VAR00073 | .637 |  |
| VAR00145 | .633 |  |
| VAR00109 | .626 |  |
| VAR00080 | .625 |  |
| VAR00105 | .625 |  |
| VAR00002 | .625 |  |
| VAR00090 | .625 |  |
| VAR00005 | .619 |  |
| VAR00130 | .618 |  |
| VAR00076 | .617 |  |
| VAR00098 | .615 |  |
| VAR00120 | .612 |  |
| VAR00084 | .610 |  |
| VAR00031 | .609 |  |
| VAR00010 | .606 |  |
| VAR00124 | .602 |  |
| VAR00051 | .598 |  |
| VAR00015 | .596 |  |
| VAR00064 | .591 |  |
| VAR00152 | .590 |  |
| VAR00134 | .587 |  |
| VAR00111 | .585 |  |
| VAR00133 | .584 |  |
| VAR00008 | .573 |  |
| VAR00016 | .572 |  |
| VAR00032 | .569 |  |
| VAR00077 | .567 |  |
| VAR00103 | .566 |  |
| VAR00025 | .566 |  |
| VAR00046 | .563 |  |
| VAR00078 | .560 |  |
| VAR00055 | .559 |  |
| VAR00106 | .557 |  |
| VAR00056 | .552 |  |
| VAR00127 | .548 |  |
| VAR00151 | .546 |  |
| VAR00060 | .544 |  |
| VAR00143 | .543 |  |
| VAR00013 | .537 |  |
| VAR00093 | .536 |  |
| VAR00110 | .535 |  |
| VAR00034 | .534 |  |
| VAR00128 | .528 |  |
| VAR00001 | .524 | .344 |
| VAR00050 | .523 |  |
| VAR00024 | .510 |  |
| VAR00088 | .506 |  |
| VAR00026 | .497 |  |
| VAR00132 | .496 | .363 |
| VAR00052 | .490 |  |
| VAR00089 | .476 |  |
| VAR00022 | .465 |  |
| VAR00114 | .452 |  |
| VAR00140 | .442 |  |
| VAR00074 | .425 |  |
| VAR00085 | .415 |  |
| VAR00147 | .401 |  |
| VAR00123 | .392 |  |
| VAR00117 | .378 |  |
| VAR00082 | .371 |  |
| VAR00054 | .367 |  |
| VAR00072 | .364 |  |
| VAR00144 | .364 |  |
| VAR00020 | .349 |  |
| VAR00027 | .343 |  |
| VAR00014 | .325 |  |
| VAR00083 |  |  |
| VAR00043 |  |  |
| VAR00146 |  |  |
| VAR00007 |  |  |
| VAR00122 |  | .601 |
| VAR00049 |  | .598 |
| VAR00071 |  | .594 |
| VAR00136 |  | .592 |
| VAR00059 |  | .585 |
| VAR00023 |  | .584 |
| VAR00095 |  | .583 |
| VAR00037 |  | .572 |
| VAR00097 |  | .570 |
| VAR00058 |  | .568 |
| VAR00150 |  | .561 |
| VAR00094 |  | .560 |
| VAR00104 |  | .558 |
| VAR00119 |  | .554 |
| VAR00099 |  | .549 |
| VAR00021 |  | .549 |
| VAR00142 |  | .547 |
| VAR00149 |  | .544 |
| VAR00039 |  | .543 |
| VAR00118 |  | .542 |
| VAR00070 |  | .538 |
| VAR00148 |  | .532 |
| VAR00139 |  | .531 |
| VAR00116 |  | .523 |
| VAR00091 |  | .523 |
| VAR00012 |  | .522 |
| VAR00121 |  | .520 |
| VAR00029 |  | .520 |
| VAR00053 |  | .519 |
| VAR00092 |  | .518 |
| VAR00065 |  | .511 |
| VAR00038 |  | .510 |
| VAR00033 |  | .508 |
| VAR00153 |  | .500 |
| VAR00062 |  | .496 |
| VAR00047 |  | .494 |
| VAR00057 |  | .493 |
| VAR00048 |  | .485 |
| VAR00063 |  | -.479 |
| VAR00126 |  | .476 |
| VAR00075 |  | .475 |
| VAR00036 |  | .475 |
| VAR00112 |  | .474 |
| VAR00040 |  | .470 |
| VAR00101 |  | .467 |
| VAR00131 |  | .463 |
| VAR00003 |  | .460 |
| VAR00017 |  | .459 |
| VAR00108 |  | .456 |
| VAR00087 |  | .453 |
| VAR00009 |  | .451 |
| VAR00006 |  | .449 |
| VAR00018 |  | .446 |
| VAR00044 |  | .445 |
| VAR00115 |  | .439 |
| VAR00107 |  | .425 |
| VAR00102 |  | .424 |
| VAR00069 |  | .423 |
| VAR00154 |  | .412 |
| VAR00081 |  | .409 |
| VAR00137 |  | .408 |
| VAR00019 |  | .403 |
| VAR00028 |  | -.355 |
| VAR00125 |  | .354 |
| VAR00030 |  | .349 |
| VAR00045 |  | -.349 |
| VAR00042 |  | .311 |
| VAR00067 |  |  |
| VAR00066 |  |  |
| VAR00113 |  |  |
| VAR00135 |  |  |
| VAR00041 |  |  |
| VAR00035 |  |  |
| VAR00138 |  |  |
| VAR00068 |  |  |
| VAR00129 |  |  |
| Extraction Method: Principal Component Analysis.   Rotation Method: Oblimin with Kaiser Normalization. | | |
| a. Rotation converged in 6 iterations. | | |

|  |  |  |
| --- | --- | --- |
| **Structure Matrix** | | |
|  | Component | |
| 1 | 2 |
| VAR00011 | .696 | .380 |
| VAR00061 | .696 | .331 |
| VAR00100 | .680 | .322 |
| VAR00145 | .672 | .317 |
| VAR00141 | .669 |  |
| VAR00096 | .663 |  |
| VAR00004 | .653 |  |
| VAR00130 | .652 |  |
| VAR00073 | .651 |  |
| VAR00105 | .651 |  |
| VAR00079 | .651 |  |
| VAR00086 | .649 |  |
| VAR00002 | .649 |  |
| VAR00010 | .641 |  |
| VAR00076 | .634 |  |
| VAR00031 | .632 |  |
| VAR00109 | .630 |  |
| VAR00084 | .627 |  |
| VAR00005 | .625 |  |
| VAR00098 | .625 |  |
| VAR00124 | .623 |  |
| VAR00080 | .623 |  |
| VAR00090 | .621 |  |
| VAR00015 | .621 |  |
| VAR00111 | .618 |  |
| VAR00008 | .615 | .318 |
| VAR00152 | .613 |  |
| VAR00133 | .611 |  |
| VAR00064 | .609 |  |
| VAR00134 | .608 |  |
| VAR00120 | .607 |  |
| VAR00051 | .603 |  |
| VAR00077 | .599 |  |
| VAR00001 | .598 | .456 |
| VAR00060 | .597 | .361 |
| VAR00016 | .594 |  |
| VAR00103 | .594 |  |
| VAR00025 | .593 |  |
| VAR00032 | .592 |  |
| VAR00127 | .583 |  |
| VAR00151 | .579 |  |
| VAR00143 | .578 |  |
| VAR00106 | .577 |  |
| VAR00132 | .574 | .469 |
| VAR00046 | .568 |  |
| VAR00078 | .564 |  |
| VAR00056 | .560 |  |
| VAR00055 | .559 |  |
| VAR00093 | .554 |  |
| VAR00034 | .552 |  |
| VAR00013 | .551 |  |
| VAR00052 | .549 | .378 |
| VAR00110 | .541 |  |
| VAR00128 | .538 |  |
| VAR00026 | .522 |  |
| VAR00050 | .514 |  |
| VAR00024 | .507 |  |
| VAR00140 | .490 | .318 |
| VAR00088 | .482 |  |
| VAR00089 | .454 |  |
| VAR00114 | .445 |  |
| VAR00022 | .437 |  |
| VAR00147 | .425 |  |
| VAR00074 | .414 |  |
| VAR00085 | .384 |  |
| VAR00117 | .376 |  |
| VAR00123 | .362 |  |
| VAR00082 | .353 |  |
| VAR00054 | .341 |  |
| VAR00072 | .331 |  |
| VAR00027 | .317 |  |
| VAR00014 | .315 |  |
| VAR00020 | .303 |  |
| VAR00144 | .302 |  |
| VAR00043 |  |  |
| VAR00083 |  |  |
| VAR00007 |  |  |
| VAR00146 |  |  |
| VAR00122 |  | .617 |
| VAR00049 |  | .613 |
| VAR00023 |  | .604 |
| VAR00095 |  | .602 |
| VAR00059 |  | .600 |
| VAR00136 |  | .600 |
| VAR00071 |  | .590 |
| VAR00058 |  | .587 |
| VAR00097 |  | .586 |
| VAR00037 |  | .584 |
| VAR00150 |  | .575 |
| VAR00094 |  | .571 |
| VAR00104 |  | .571 |
| VAR00099 |  | .568 |
| VAR00119 |  | .563 |
| VAR00118 |  | .563 |
| VAR00039 |  | .560 |
| VAR00149 |  | .553 |
| VAR00021 |  | .550 |
| VAR00038 |  | .545 |
| VAR00092 |  | .542 |
| VAR00116 |  | .541 |
| VAR00148 |  | .541 |
| VAR00070 |  | .540 |
| VAR00142 |  | .534 |
| VAR00139 |  | .532 |
| VAR00053 |  | .529 |
| VAR00012 |  | .528 |
| VAR00029 |  | .523 |
| VAR00153 |  | .520 |
| VAR00033 |  | .519 |
| VAR00062 |  | .517 |
| VAR00065 |  | .514 |
| VAR00091 |  | .511 |
| VAR00121 |  | .510 |
| VAR00047 |  | .503 |
| VAR00048 |  | .502 |
| VAR00036 |  | .490 |
| VAR00040 |  | .489 |
| VAR00057 |  | .487 |
| VAR00108 |  | .482 |
| VAR00003 |  | .476 |
| VAR00126 |  | .474 |
| VAR00075 |  | .474 |
| VAR00017 |  | .474 |
| VAR00112 |  | .474 |
| VAR00006 |  | .473 |
| VAR00101 |  | .473 |
| VAR00063 |  | -.464 |
| VAR00018 |  | .463 |
| VAR00044 |  | .460 |
| VAR00131 |  | .458 |
| VAR00009 |  | .456 |
| VAR00087 |  | .449 |
| VAR00115 |  | .447 |
| VAR00107 |  | .438 |
| VAR00019 |  | .435 |
| VAR00069 |  | .426 |
| VAR00102 |  | .419 |
| VAR00154 |  | .413 |
| VAR00137 |  | .394 |
| VAR00081 |  | .390 |
| VAR00030 |  | .369 |
| VAR00045 |  | -.364 |
| VAR00125 |  | .362 |
| VAR00028 |  | -.350 |
| VAR00042 |  | .320 |
| VAR00067 |  |  |
| VAR00041 |  |  |
| VAR00066 |  |  |
| VAR00113 |  |  |
| VAR00135 |  |  |
| VAR00138 |  |  |
| VAR00035 |  |  |
| VAR00068 |  |  |
| VAR00129 |  |  |
| Extraction Method: Principal Component Analysis.   Rotation Method: Oblimin with Kaiser Normalization. | | |

|  |  |  |
| --- | --- | --- |
| **Component Correlation Matrix** | | |
| Component | 1 | 2 |
| 1 | 1.000 | .214 |
| 2 | .214 | 1.000 |
| Extraction Method: Principal Component Analysis.   Rotation Method: Oblimin with Kaiser Normalization. | | |

1. Result of Factor Analysis for 74 items

**Factor Analysis with 74 items for two factors**

|  |  |  |
| --- | --- | --- |
| **KMO and Bartlett's Test** | | |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. | | .950 |
| Bartlett's Test of Sphericity | Approx. Chi-Square | 18195.731 |
| df | 2701 |
| Sig. | 0.000 |

|  |  |  |
| --- | --- | --- |
| **Communalities** | | |
|  | Initial | Extraction |
| VAR00001 | 1.000 | .496 |
| VAR00002 | 1.000 | .443 |
| VAR00004 | 1.000 | .426 |
| VAR00005 | 1.000 | .399 |
| VAR00008 | 1.000 | .428 |
| VAR00010 | 1.000 | .455 |
| VAR00011 | 1.000 | .553 |
| VAR00013 | 1.000 | .331 |
| VAR00015 | 1.000 | .417 |
| VAR00016 | 1.000 | .372 |
| VAR00021 | 1.000 | .307 |
| VAR00023 | 1.000 | .391 |
| VAR00025 | 1.000 | .373 |
| VAR00031 | 1.000 | .418 |
| VAR00032 | 1.000 | .364 |
| VAR00034 | 1.000 | .303 |
| VAR00037 | 1.000 | .377 |
| VAR00038 | 1.000 | .366 |
| VAR00039 | 1.000 | .307 |
| VAR00046 | 1.000 | .316 |
| VAR00049 | 1.000 | .392 |
| VAR00051 | 1.000 | .346 |
| VAR00052 | 1.000 | .388 |
| VAR00055 | 1.000 | .322 |
| VAR00056 | 1.000 | .310 |
| VAR00058 | 1.000 | .373 |
| VAR00059 | 1.000 | .395 |
| VAR00060 | 1.000 | .431 |
| VAR00061 | 1.000 | .525 |
| VAR00064 | 1.000 | .389 |
| VAR00071 | 1.000 | .352 |
| VAR00073 | 1.000 | .438 |
| VAR00076 | 1.000 | .396 |
| VAR00077 | 1.000 | .382 |
| VAR00078 | 1.000 | .325 |
| VAR00079 | 1.000 | .418 |
| VAR00080 | 1.000 | .377 |
| VAR00084 | 1.000 | .401 |
| VAR00086 | 1.000 | .430 |
| VAR00090 | 1.000 | .399 |
| VAR00092 | 1.000 | .335 |
| VAR00093 | 1.000 | .319 |
| VAR00094 | 1.000 | .346 |
| VAR00095 | 1.000 | .391 |
| VAR00096 | 1.000 | .438 |
| VAR00097 | 1.000 | .373 |
| VAR00098 | 1.000 | .391 |
| VAR00099 | 1.000 | .381 |
| VAR00100 | 1.000 | .506 |
| VAR00103 | 1.000 | .385 |
| VAR00104 | 1.000 | .350 |
| VAR00105 | 1.000 | .445 |
| VAR00106 | 1.000 | .345 |
| VAR00109 | 1.000 | .396 |
| VAR00111 | 1.000 | .389 |
| VAR00116 | 1.000 | .314 |
| VAR00118 | 1.000 | .353 |
| VAR00119 | 1.000 | .355 |
| VAR00120 | 1.000 | .386 |
| VAR00122 | 1.000 | .389 |
| VAR00124 | 1.000 | .403 |
| VAR00127 | 1.000 | .376 |
| VAR00130 | 1.000 | .450 |
| VAR00132 | 1.000 | .464 |
| VAR00133 | 1.000 | .387 |
| VAR00134 | 1.000 | .372 |
| VAR00136 | 1.000 | .359 |
| VAR00141 | 1.000 | .461 |
| VAR00143 | 1.000 | .372 |
| VAR00145 | 1.000 | .499 |
| VAR00149 | 1.000 | .329 |
| VAR00150 | 1.000 | .361 |
| VAR00151 | 1.000 | .364 |
| VAR00152 | 1.000 | .399 |
| Extraction Method: Principal Component Analysis. | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Total Variance Explained** | | | | | | | |
| Component | Initial Eigenvalues | | | Extraction Sums of Squared Loadings | | | Rotation Sums of Squared Loadingsa |
| Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative % | Total |
| 1 | 22.933 | 30.991 | 30.991 | 22.933 | 30.991 | 30.991 | 21.986 |
| 2 | 5.878 | 7.944 | 38.935 | 5.878 | 7.944 | **38.935** | 12.443 |
| 3 | 1.951 | 2.636 | 41.571 |  |  |  |  |
| 4 | 1.855 | 2.506 | 44.077 |  |  |  |  |
| 5 | 1.515 | 2.048 | 46.125 |  |  |  |  |
| 6 | 1.334 | 1.802 | 47.927 |  |  |  |  |
| 7 | 1.272 | 1.719 | 49.646 |  |  |  |  |
| 8 | 1.215 | 1.641 | 51.287 |  |  |  |  |
| 9 | 1.205 | 1.628 | 52.915 |  |  |  |  |
| 10 | 1.164 | 1.573 | 54.488 |  |  |  |  |
| 11 | 1.103 | 1.491 | 55.979 |  |  |  |  |
| 12 | 1.068 | 1.444 | 57.422 |  |  |  |  |
| 13 | 1.040 | 1.406 | 58.828 |  |  |  |  |
| 14 | 1.007 | 1.361 | 60.189 |  |  |  |  |
| 15 | .952 | 1.286 | 61.475 |  |  |  |  |
| 16 | .918 | 1.241 | 62.716 |  |  |  |  |
| 17 | .909 | 1.229 | 63.945 |  |  |  |  |
| 18 | .889 | 1.201 | 65.146 |  |  |  |  |
| 19 | .887 | 1.199 | 66.345 |  |  |  |  |
| 20 | .840 | 1.135 | 67.480 |  |  |  |  |
| 21 | .818 | 1.105 | 68.585 |  |  |  |  |
| 22 | .796 | 1.075 | 69.660 |  |  |  |  |
| 23 | .786 | 1.062 | 70.722 |  |  |  |  |
| 24 | .761 | 1.028 | 71.751 |  |  |  |  |
| 25 | .742 | 1.002 | 72.753 |  |  |  |  |
| 26 | .736 | .994 | 73.747 |  |  |  |  |
| 27 | .717 | .968 | 74.716 |  |  |  |  |
| 28 | .694 | .938 | 75.654 |  |  |  |  |
| 29 | .675 | .912 | 76.565 |  |  |  |  |
| 30 | .655 | .885 | 77.451 |  |  |  |  |
| 31 | .647 | .874 | 78.325 |  |  |  |  |
| 32 | .612 | .827 | 79.152 |  |  |  |  |
| 33 | .602 | .813 | 79.965 |  |  |  |  |
| 34 | .589 | .795 | 80.761 |  |  |  |  |
| 35 | .579 | .783 | 81.543 |  |  |  |  |
| 36 | .561 | .758 | 82.301 |  |  |  |  |
| 37 | .557 | .753 | 83.054 |  |  |  |  |
| 38 | .537 | .726 | 83.779 |  |  |  |  |
| 39 | .524 | .708 | 84.488 |  |  |  |  |
| 40 | .520 | .702 | 85.190 |  |  |  |  |
| 41 | .499 | .675 | 85.865 |  |  |  |  |
| 42 | .495 | .670 | 86.534 |  |  |  |  |
| 43 | .483 | .653 | 87.187 |  |  |  |  |
| 44 | .471 | .637 | 87.825 |  |  |  |  |
| 45 | .449 | .607 | 88.431 |  |  |  |  |
| 46 | .437 | .590 | 89.022 |  |  |  |  |
| 47 | .422 | .571 | 89.593 |  |  |  |  |
| 48 | .415 | .561 | 90.154 |  |  |  |  |
| 49 | .406 | .549 | 90.702 |  |  |  |  |
| 50 | .404 | .546 | 91.249 |  |  |  |  |
| 51 | .379 | .512 | 91.761 |  |  |  |  |
| 52 | .372 | .502 | 92.263 |  |  |  |  |
| 53 | .350 | .472 | 92.736 |  |  |  |  |
| 54 | .348 | .470 | 93.206 |  |  |  |  |
| 55 | .340 | .459 | 93.665 |  |  |  |  |
| 56 | .332 | .449 | 94.114 |  |  |  |  |
| 57 | .325 | .439 | 94.553 |  |  |  |  |
| 58 | .318 | .430 | 94.983 |  |  |  |  |
| 59 | .299 | .404 | 95.387 |  |  |  |  |
| 60 | .287 | .388 | 95.775 |  |  |  |  |
| 61 | .281 | .380 | 96.155 |  |  |  |  |
| 62 | .274 | .370 | 96.525 |  |  |  |  |
| 63 | .265 | .357 | 96.882 |  |  |  |  |
| 64 | .261 | .352 | 97.235 |  |  |  |  |
| 65 | .254 | .344 | 97.578 |  |  |  |  |
| 66 | .241 | .325 | 97.904 |  |  |  |  |
| 67 | .231 | .313 | 98.216 |  |  |  |  |
| 68 | .226 | .305 | 98.522 |  |  |  |  |
| 69 | .212 | .286 | 98.808 |  |  |  |  |
| 70 | .202 | .273 | 99.080 |  |  |  |  |
| 71 | .191 | .259 | 99.339 |  |  |  |  |
| 72 | .173 | .234 | 99.573 |  |  |  |  |
| 73 | .165 | .223 | 99.795 |  |  |  |  |
| 74 | .151 | .205 | 100.000 |  |  |  |  |
| Extraction Method: Principal Component Analysis. | | | | | | | |
| a. When components are correlated, sums of squared loadings cannot be added to obtain a total variance. | | | | | | | |

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| --- | --- | --- |
| **Component Matrixa** | | |
|  | Component | |
| 1 | 2 |
| VAR00011 | .742 | -.055 |
| VAR00061 | .723 | -.040 |
| VAR00100 | .707 | -.084 |
| VAR00145 | .702 | -.082 |
| VAR00001 | .692 | .132 |
| VAR00132 | .669 | .124 |
| VAR00010 | .668 | -.094 |
| VAR00141 | .664 | -.140 |
| VAR00130 | .663 | -.103 |
| VAR00060 | .656 | .027 |
| VAR00105 | .655 | -.129 |
| VAR00002 | .655 | -.119 |
| VAR00008 | .654 | -.034 |
| VAR00096 | .643 | -.155 |
| VAR00031 | .638 | -.108 |
| VAR00015 | .635 | -.118 |
| VAR00073 | .632 | -.198 |
| VAR00079 | .623 | -.173 |
| VAR00052 | .621 | .038 |
| VAR00111 | .619 | -.074 |
| VAR00124 | .618 | -.142 |
| VAR00084 | .616 | -.144 |
| VAR00004 | .616 | -.215 |
| VAR00076 | .615 | -.134 |
| VAR00133 | .613 | -.105 |
| VAR00152 | .612 | -.157 |
| VAR00077 | .612 | -.086 |
| VAR00127 | .610 | -.066 |
| VAR00103 | .610 | -.114 |
| VAR00086 | .608 | -.245 |
| VAR00143 | .607 | -.065 |
| VAR00151 | .601 | -.056 |
| VAR00064 | .600 | -.169 |
| VAR00025 | .600 | -.113 |
| VAR00005 | .597 | -.206 |
| VAR00098 | .596 | -.191 |
| VAR00109 | .595 | -.205 |
| VAR00134 | .595 | -.134 |
| VAR00016 | .594 | -.141 |
| VAR00032 | .591 | -.122 |
| VAR00090 | .580 | -.251 |
| VAR00080 | .578 | -.206 |
| VAR00106 | .572 | -.136 |
| VAR00051 | .557 | -.188 |
| VAR00120 | .557 | -.277 |
| VAR00093 | .552 | -.119 |
| VAR00013 | .552 | -.165 |
| VAR00034 | .537 | -.123 |
| VAR00046 | .534 | -.176 |
| VAR00078 | .526 | -.220 |
| VAR00056 | .526 | -.183 |
| VAR00055 | .524 | -.216 |
| VAR00038 | .443 | .412 |
| VAR00071 | .310 | .506 |
| VAR00037 | .367 | .493 |
| VAR00049 | .386 | .492 |
| VAR00059 | .395 | .488 |
| VAR00136 | .356 | .482 |
| VAR00119 | .353 | .480 |
| VAR00099 | .392 | .477 |
| VAR00097 | .382 | .477 |
| VAR00095 | .409 | .473 |
| VAR00023 | .411 | .472 |
| VAR00122 | .409 | .471 |
| VAR00021 | .302 | .465 |
| VAR00150 | .383 | .463 |
| VAR00149 | .339 | .463 |
| VAR00094 | .363 | .463 |
| VAR00104 | .373 | .459 |
| VAR00058 | .406 | .456 |
| VAR00118 | .391 | .447 |
| VAR00092 | .399 | .419 |
| VAR00039 | .367 | .415 |
| VAR00116 | .377 | .414 |
| Extraction Method: Principal Component Analysis. | | |
| a. 2 components extracted. | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Pattern Matrixa** | | |  |
|  | Component | |  |
| 1 | 2 | F1 - F2 |
| VAR00086 | .693 | -.105 | 0.80 |
| VAR00073 | .680 | -.047 | 0.73 |
| VAR00004 | .679 | -.070 | 0.75 |
| VAR00011 | .678 | .134 | 0.54 |
| VAR00090 | .672 | -.118 | 0.79 |
| VAR00120 | .670 | -.152 | 0.82 |
| VAR00141 | .669 | .023 | 0.65 |
| VAR00100 | .667 | .094 | 0.57 |
| VAR00145 | .662 | .094 | 0.57 |
| VAR00096 | .661 | .001 | 0.66 |
| VAR00005 | .656 | -.065 | 0.72 |
| VAR00079 | .656 | -.023 | 0.68 |
| VAR00109 | .654 | -.065 | 0.72 |
| VAR00105 | .653 | .032 | 0.62 |
| VAR00061 | .652 | .144 | 0.51 |
| VAR00002 | .646 | .043 | 0.60 |
| VAR00098 | .645 | -.050 | 0.70 |
| VAR00130 | .643 | .061 | 0.58 |
| VAR00010 | .641 | .072 | 0.57 |
| VAR00080 | .640 | -.070 | 0.71 |
| VAR00152 | .636 | -.009 | 0.64 |
| VAR00064 | .634 | -.025 | 0.66 |
| VAR00124 | .631 | .009 | 0.62 |
| VAR00084 | .630 | .006 | 0.62 |
| VAR00015 | .629 | .038 | 0.59 |
| VAR00031 | .624 | .050 | 0.57 |
| VAR00076 | .622 | .016 | 0.61 |
| VAR00051 | .610 | -.057 | 0.67 |
| VAR00016 | .609 | .004 | 0.61 |
| VAR00134 | .605 | .011 | 0.59 |
| VAR00078 | .604 | -.098 | 0.70 |
| VAR00103 | .604 | .037 | 0.57 |
| VAR00133 | .602 | .046 | 0.56 |
| VAR00055 | .600 | -.095 | 0.70 |
| VAR00025 | .595 | .035 | 0.56 |
| VAR00032 | .593 | .023 | 0.57 |
| VAR00013 | .589 | -.034 | 0.62 |
| VAR00077 | .587 | .066 | 0.52 |
| VAR00008 | .587 | .134 | 0.45 |
| VAR00106 | .586 | .003 | 0.58 |
| VAR00111 | .585 | .082 | 0.50 |
| VAR00046 | .581 | -.050 | 0.63 |
| VAR00056 | .579 | -.059 | 0.64 |
| VAR00127 | .571 | .088 | 0.48 |
| VAR00143 | .568 | .088 | 0.48 |
| VAR00093 | .558 | .015 | 0.54 |
| VAR00151 | .557 | .096 | 0.46 |
| VAR00060 | .548 | .199 | 0.35 |
| VAR00034 | .548 | .007 | 0.54 |
| VAR00052 | .510 | .202 | 0.31 |
| VAR00001 | .507 | .320 | 0.19 |
| VAR00132 | .493 | .307 | 0.19 |
| VAR00049 | -.003 | .627 | -0.63 |
| VAR00059 | .008 | .625 | -0.62 |
| VAR00037 | -.020 | .622 | -0.64 |
| VAR00071 | -.078 | .622 | -0.70 |
| VAR00095 | .030 | .612 | -0.58 |
| VAR00099 | .012 | .612 | -0.60 |
| VAR00023 | .033 | .611 | -0.58 |
| VAR00122 | .032 | .610 | -0.58 |
| VAR00097 | .004 | .609 | -0.60 |
| VAR00136 | -.022 | .608 | -0.63 |
| VAR00119 | -.023 | .605 | -0.63 |
| VAR00150 | .014 | .594 | -0.58 |
| VAR00058 | .038 | .593 | -0.56 |
| VAR00094 | -.002 | .589 | -0.59 |
| VAR00104 | .008 | .588 | -0.58 |
| VAR00149 | -.023 | .583 | -0.61 |
| VAR00118 | .033 | .580 | -0.55 |
| VAR00021 | -.056 | .576 | -0.63 |
| VAR00038 | .101 | .556 | -0.45 |
| VAR00092 | .058 | .552 | -0.49 |
| VAR00116 | .042 | .541 | -0.50 |
| VAR00039 | .034 | .539 | -0.51 |
| Extraction Method: Principal Component Analysis.   Rotation Method: Oblimin with Kaiser Normalization. | | |  |
| a. Rotation converged in 4 iterations. | | |  |

|  |  |  |
| --- | --- | --- |
| **Pattern Matrixa** | | |
|  | Component | |
| 1 | 2 |
| VAR00086 | .693 |  |
| VAR00073 | .680 |  |
| VAR00004 | .679 |  |
| VAR00011 | .678 |  |
| VAR00090 | .672 |  |
| VAR00120 | .670 |  |
| VAR00141 | .669 |  |
| VAR00100 | .667 |  |
| VAR00145 | .662 |  |
| VAR00096 | .661 |  |
| VAR00005 | .656 |  |
| VAR00079 | .656 |  |
| VAR00109 | .654 |  |
| VAR00105 | .653 |  |
| VAR00061 | .652 |  |
| VAR00002 | .646 |  |
| VAR00098 | .645 |  |
| VAR00130 | .643 |  |
| VAR00010 | .641 |  |
| VAR00080 | .640 |  |
| VAR00152 | .636 |  |
| VAR00064 | .634 |  |
| VAR00124 | .631 |  |
| VAR00084 | .630 |  |
| VAR00015 | .629 |  |
| VAR00031 | .624 |  |
| VAR00076 | .622 |  |
| VAR00051 | .610 |  |
| VAR00016 | .609 |  |
| VAR00134 | .605 |  |
| VAR00078 | .604 |  |
| VAR00103 | .604 |  |
| VAR00133 | .602 |  |
| VAR00055 | .600 |  |
| VAR00025 | .595 |  |
| VAR00032 | .593 |  |
| VAR00013 | .589 |  |
| VAR00077 | .587 |  |
| VAR00008 | .587 |  |
| VAR00106 | .586 |  |
| VAR00111 | .585 |  |
| VAR00046 | .581 |  |
| VAR00056 | .579 |  |
| VAR00127 | .571 |  |
| VAR00143 | .568 |  |
| VAR00093 | .558 |  |
| VAR00151 | .557 |  |
| VAR00060 | .548 |  |
| VAR00034 | .548 |  |
| VAR00052 | .510 |  |
| VAR00001 | .507 | .320 |
| VAR00132 | .493 | .307 |
| VAR00049 |  | .627 |
| VAR00059 |  | .625 |
| VAR00037 |  | .622 |
| VAR00071 |  | .622 |
| VAR00095 |  | .612 |
| VAR00099 |  | .612 |
| VAR00023 |  | .611 |
| VAR00122 |  | .610 |
| VAR00097 |  | .609 |
| VAR00136 |  | .608 |
| VAR00119 |  | .605 |
| VAR00150 |  | .594 |
| VAR00058 |  | .593 |
| VAR00094 |  | .589 |
| VAR00104 |  | .588 |
| VAR00149 |  | .583 |
| VAR00118 |  | .580 |
| VAR00021 |  | .576 |
| VAR00038 |  | .556 |
| VAR00092 |  | .552 |
| VAR00116 |  | .541 |
| VAR00039 |  | .539 |
| Extraction Method: Principal Component Analysis.   Rotation Method: Oblimin with Kaiser Normalization. | | |
| a. Rotation converged in 4 iterations. | | |

|  |  |  |
| --- | --- | --- |
| **Component Correlation Matrix** | | |
| Component | 1 | 2 |
| 1 | 1.000 | .418 |
| 2 | .418 | 1.000 |
| Extraction Method: Principal Component Analysis.   Rotation Method: Oblimin with Kaiser Normalization. | | |

|  |  |  |
| --- | --- | --- |
| **Rotated Component Matrixa** | | |
|  | Component | |
| 1 | 2 |
| VAR00011 | .688 | .283 |
| VAR00100 | .670 | .241 |
| VAR00061 | .665 | .287 |
| VAR00145 | .664 | .240 |
| VAR00141 | .657 | .172 |
| VAR00086 | .654 | .053 |
| VAR00073 | .653 | .106 |
| VAR00004 | .647 | .083 |
| VAR00096 | .644 | .149 |
| VAR00105 | .643 | .177 |
| VAR00010 | .639 | .214 |
| VAR00130 | .639 | .204 |
| VAR00002 | .639 | .186 |
| VAR00079 | .635 | .124 |
| VAR00090 | .631 | .035 |
| VAR00005 | .626 | .083 |
| VAR00109 | .624 | .083 |
| VAR00120 | .622 | .002 |
| VAR00015 | .621 | .178 |
| VAR00031 | .619 | .189 |
| VAR00098 | .618 | .095 |
| VAR00152 | .618 | .134 |
| VAR00124 | .617 | .150 |
| VAR00084 | .616 | .147 |
| VAR00064 | .612 | .118 |
| VAR00076 | .610 | .155 |
| VAR00080 | .609 | .075 |
| VAR00008 | .600 | .262 |
| VAR00103 | .596 | .171 |
| VAR00133 | .596 | .180 |
| VAR00016 | .594 | .140 |
| VAR00134 | .592 | .146 |
| VAR00111 | .587 | .211 |
| VAR00025 | .587 | .168 |
| VAR00077 | .586 | .196 |
| VAR00032 | .583 | .156 |
| VAR00051 | .583 | .081 |
| VAR00127 | .575 | .214 |
| VAR00060 | .575 | .318 |
| VAR00106 | .572 | .134 |
| VAR00143 | .572 | .213 |
| VAR00078 | .569 | .039 |
| VAR00013 | .567 | .099 |
| VAR00055 | .566 | .041 |
| VAR00151 | .562 | .218 |
| VAR00001 | .560 | .427 |
| VAR00046 | .556 | .081 |
| VAR00056 | .552 | .072 |
| VAR00093 | .547 | .140 |
| VAR00132 | .543 | .411 |
| VAR00052 | .539 | .312 |
| VAR00034 | .535 | .130 |
| VAR00059 | .135 | .613 |
| VAR00049 | .125 | .613 |
| VAR00095 | .154 | .606 |
| VAR00023 | .157 | .605 |
| VAR00037 | .108 | .605 |
| VAR00122 | .155 | .604 |
| VAR00099 | .137 | .602 |
| VAR00097 | .128 | .597 |
| VAR00071 | .051 | .591 |
| VAR00136 | .103 | .590 |
| VAR00058 | .159 | .590 |
| VAR00119 | .101 | .587 |
| VAR00150 | .135 | .585 |
| VAR00104 | .128 | .577 |
| VAR00094 | .118 | .576 |
| VAR00118 | .150 | .575 |
| VAR00038 | .212 | .566 |
| VAR00149 | .097 | .566 |
| VAR00092 | .169 | .554 |
| VAR00021 | .063 | .551 |
| VAR00116 | .152 | .539 |
| VAR00039 | .143 | .535 |
| Extraction Method: Principal Component Analysis.   Rotation Method: Varimax with Kaiser Normalization. | | |
| a. Rotation converged in 3 iterations. | | |

1. Result of Factor Analysis for 72 items

**Factor Analysis for 72 items with two factors**

|  |  |  |
| --- | --- | --- |
| **Communalities** | | |
|  | Initial | Extraction |
| VAR00002 | 1.000 | .441 |
| VAR00004 | 1.000 | .426 |
| VAR00005 | 1.000 | .397 |
| VAR00008 | 1.000 | .426 |
| VAR00010 | 1.000 | .450 |
| VAR00011 | 1.000 | .550 |
| VAR00013 | 1.000 | .329 |
| VAR00015 | 1.000 | .411 |
| VAR00016 | 1.000 | .368 |
| VAR00021 | 1.000 | .304 |
| VAR00023 | 1.000 | .391 |
| VAR00025 | 1.000 | .367 |
| VAR00031 | 1.000 | .419 |
| VAR00032 | 1.000 | .365 |
| VAR00034 | 1.000 | .304 |
| VAR00037 | 1.000 | .382 |
| VAR00038 | 1.000 | .367 |
| VAR00039 | 1.000 | .307 |
| VAR00046 | 1.000 | .318 |
| VAR00049 | 1.000 | .395 |
| VAR00051 | 1.000 | .348 |
| VAR00055 | 1.000 | .322 |
| VAR00056 | 1.000 | .313 |
| VAR00058 | 1.000 | .372 |
| VAR00059 | 1.000 | .398 |
| VAR00061 | 1.000 | .527 |
| VAR00064 | 1.000 | .391 |
| VAR00071 | 1.000 | .350 |
| VAR00073 | 1.000 | .438 |
| VAR00076 | 1.000 | .397 |
| VAR00077 | 1.000 | .378 |
| VAR00078 | 1.000 | .327 |
| VAR00079 | 1.000 | .418 |
| VAR00080 | 1.000 | .379 |
| VAR00084 | 1.000 | .401 |
| VAR00086 | 1.000 | .433 |
| VAR00090 | 1.000 | .401 |
| VAR00092 | 1.000 | .341 |
| VAR00093 | 1.000 | .319 |
| VAR00094 | 1.000 | .351 |
| VAR00095 | 1.000 | .391 |
| VAR00096 | 1.000 | .439 |
| VAR00097 | 1.000 | .378 |
| VAR00098 | 1.000 | .392 |
| VAR00099 | 1.000 | .382 |
| VAR00100 | 1.000 | .508 |
| VAR00103 | 1.000 | .380 |
| VAR00104 | 1.000 | .345 |
| VAR00105 | 1.000 | .447 |
| VAR00106 | 1.000 | .348 |
| VAR00109 | 1.000 | .398 |
| VAR00111 | 1.000 | .394 |
| VAR00116 | 1.000 | .315 |
| VAR00118 | 1.000 | .353 |
| VAR00119 | 1.000 | .354 |
| VAR00120 | 1.000 | .387 |
| VAR00122 | 1.000 | .390 |
| VAR00124 | 1.000 | .403 |
| VAR00127 | 1.000 | .374 |
| VAR00130 | 1.000 | .453 |
| VAR00133 | 1.000 | .390 |
| VAR00134 | 1.000 | .373 |
| VAR00136 | 1.000 | .361 |
| VAR00141 | 1.000 | .463 |
| VAR00143 | 1.000 | .369 |
| VAR00145 | 1.000 | .503 |
| VAR00149 | 1.000 | .333 |
| VAR00150 | 1.000 | .360 |
| VAR00151 | 1.000 | .367 |
| VAR00152 | 1.000 | .399 |
| VAR00052 | 1.000 | .382 |
| VAR00060 | 1.000 | .427 |
| Extraction Method: Principal Component Analysis. | | |

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| --- | --- | --- |
| **KMO and Bartlett's Test** | | |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. | | .949 |
| Bartlett's Test of Sphericity | Approx. Chi-Square | 17342.909 |
| df | 2556 |
| Sig. | 0.000 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Total Variance Explained** | | | | | | | |
| Component | Initial Eigenvalues | | | Extraction Sums of Squared Loadings | | | Rotation Sums of Squared Loadingsa |
| Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative % | Total |
| 1 | 22.032 | 30.600 | 30.600 | 22.032 | 30.600 | 30.600 | 21.182 |
| 2 | 5.847 | 8.121 | 38.721 | 5.847 | 8.121 | **38.721** | 11.906 |
| 3 | 1.862 | 2.586 | 41.307 |  |  |  |  |
| 4 | 1.833 | 2.545 | 43.852 |  |  |  |  |
| 5 | 1.480 | 2.055 | 45.907 |  |  |  |  |
| 6 | 1.333 | 1.851 | 47.759 |  |  |  |  |
| 7 | 1.263 | 1.754 | 49.513 |  |  |  |  |
| 8 | 1.206 | 1.676 | 51.189 |  |  |  |  |
| 9 | 1.196 | 1.661 | 52.850 |  |  |  |  |
| 10 | 1.157 | 1.607 | 54.457 |  |  |  |  |
| 11 | 1.088 | 1.512 | 55.969 |  |  |  |  |
| 12 | 1.063 | 1.476 | 57.445 |  |  |  |  |
| 13 | 1.035 | 1.438 | 58.883 |  |  |  |  |
| 14 | .973 | 1.352 | 60.235 |  |  |  |  |
| 15 | .950 | 1.319 | 61.554 |  |  |  |  |
| 16 | .911 | 1.265 | 62.819 |  |  |  |  |
| 17 | .903 | 1.254 | 64.073 |  |  |  |  |
| 18 | .886 | 1.231 | 65.304 |  |  |  |  |
| 19 | .878 | 1.220 | 66.524 |  |  |  |  |
| 20 | .824 | 1.145 | 67.669 |  |  |  |  |
| 21 | .814 | 1.131 | 68.800 |  |  |  |  |
| 22 | .791 | 1.099 | 69.899 |  |  |  |  |
| 23 | .785 | 1.090 | 70.989 |  |  |  |  |
| 24 | .741 | 1.030 | 72.019 |  |  |  |  |
| 25 | .737 | 1.024 | 73.043 |  |  |  |  |
| 26 | .729 | 1.013 | 74.055 |  |  |  |  |
| 27 | .716 | .995 | 75.050 |  |  |  |  |
| 28 | .692 | .961 | 76.011 |  |  |  |  |
| 29 | .673 | .934 | 76.945 |  |  |  |  |
| 30 | .636 | .884 | 77.829 |  |  |  |  |
| 31 | .615 | .854 | 78.682 |  |  |  |  |
| 32 | .609 | .846 | 79.528 |  |  |  |  |
| 33 | .598 | .831 | 80.359 |  |  |  |  |
| 34 | .581 | .806 | 81.166 |  |  |  |  |
| 35 | .579 | .804 | 81.970 |  |  |  |  |
| 36 | .551 | .765 | 82.735 |  |  |  |  |
| 37 | .542 | .752 | 83.487 |  |  |  |  |
| 38 | .525 | .730 | 84.217 |  |  |  |  |
| 39 | .522 | .725 | 84.942 |  |  |  |  |
| 40 | .503 | .698 | 85.641 |  |  |  |  |
| 41 | .496 | .689 | 86.330 |  |  |  |  |
| 42 | .488 | .678 | 87.008 |  |  |  |  |
| 43 | .479 | .666 | 87.673 |  |  |  |  |
| 44 | .461 | .640 | 88.314 |  |  |  |  |
| 45 | .440 | .611 | 88.925 |  |  |  |  |
| 46 | .427 | .593 | 89.517 |  |  |  |  |
| 47 | .415 | .577 | 90.094 |  |  |  |  |
| 48 | .407 | .565 | 90.659 |  |  |  |  |
| 49 | .401 | .557 | 91.216 |  |  |  |  |
| 50 | .389 | .541 | 91.756 |  |  |  |  |
| 51 | .378 | .525 | 92.282 |  |  |  |  |
| 52 | .362 | .502 | 92.784 |  |  |  |  |
| 53 | .349 | .485 | 93.269 |  |  |  |  |
| 54 | .342 | .475 | 93.743 |  |  |  |  |
| 55 | .333 | .462 | 94.205 |  |  |  |  |
| 56 | .325 | .451 | 94.656 |  |  |  |  |
| 57 | .317 | .440 | 95.096 |  |  |  |  |
| 58 | .302 | .420 | 95.516 |  |  |  |  |
| 59 | .298 | .414 | 95.929 |  |  |  |  |
| 60 | .280 | .389 | 96.318 |  |  |  |  |
| 61 | .275 | .382 | 96.700 |  |  |  |  |
| 62 | .265 | .368 | 97.068 |  |  |  |  |
| 63 | .258 | .358 | 97.427 |  |  |  |  |
| 64 | .256 | .356 | 97.782 |  |  |  |  |
| 65 | .240 | .334 | 98.116 |  |  |  |  |
| 66 | .233 | .324 | 98.440 |  |  |  |  |
| 67 | .212 | .294 | 98.734 |  |  |  |  |
| 68 | .202 | .280 | 99.014 |  |  |  |  |
| 69 | .201 | .280 | 99.294 |  |  |  |  |
| 70 | .184 | .256 | 99.550 |  |  |  |  |
| 71 | .169 | .235 | 99.786 |  |  |  |  |
| 72 | .154 | .214 | 100.000 |  |  |  |  |
| Extraction Method: Principal Component Analysis. | | | | | | | |
| a. When components are correlated, sums of squared loadings cannot be added to obtain a total variance. | | | | | | | |

|  |  |  |
| --- | --- | --- |
| **Component Matrixa** | | |
|  | Component | |
| 1 | 2 |
| VAR00011 | .740 |  |
| VAR00061 | .725 |  |
| VAR00100 | .709 |  |
| VAR00145 | .705 |  |
| VAR00141 | .668 |  |
| VAR00130 | .666 |  |
| VAR00010 | .664 |  |
| VAR00105 | .657 |  |
| VAR00002 | .654 |  |
| VAR00060 | .653 |  |
| VAR00008 | .652 |  |
| VAR00096 | .646 |  |
| VAR00031 | .640 |  |
| VAR00073 | .634 |  |
| VAR00015 | .630 |  |
| VAR00079 | .625 |  |
| VAR00111 | .624 |  |
| VAR00124 | .621 |  |
| VAR00004 | .619 |  |
| VAR00084 | .619 |  |
| VAR00076 | .617 |  |
| VAR00052 | .617 |  |
| VAR00133 | .617 |  |
| VAR00086 | .614 |  |
| VAR00152 | .613 |  |
| VAR00077 | .609 |  |
| VAR00127 | .608 |  |
| VAR00103 | .607 |  |
| VAR00064 | .605 |  |
| VAR00143 | .605 |  |
| VAR00151 | .604 |  |
| VAR00109 | .600 |  |
| VAR00098 | .599 |  |
| VAR00134 | .597 |  |
| VAR00005 | .596 |  |
| VAR00025 | .596 |  |
| VAR00032 | .593 |  |
| VAR00016 | .591 |  |
| VAR00090 | .585 |  |
| VAR00080 | .583 |  |
| VAR00106 | .576 |  |
| VAR00051 | .562 |  |
| VAR00120 | .561 |  |
| VAR00093 | .554 |  |
| VAR00013 | .550 |  |
| VAR00034 | .539 |  |
| VAR00046 | .539 |  |
| VAR00078 | .532 |  |
| VAR00056 | .532 |  |
| VAR00055 | .528 |  |
| VAR00038 | .440 | .417 |
| VAR00071 | .303 | .508 |
| VAR00037 | .365 | .498 |
| VAR00049 | .384 | .498 |
| VAR00059 | .392 | .494 |
| VAR00136 | .352 | .487 |
| VAR00097 | .380 | .483 |
| VAR00119 | .347 | .483 |
| VAR00099 | .388 | .481 |
| VAR00095 | .404 | .477 |
| VAR00023 | .406 | .475 |
| VAR00122 | .405 | .475 |
| VAR00094 | .362 | .469 |
| VAR00149 | .337 | .468 |
| VAR00150 | .378 | .466 |
| VAR00021 |  | .466 |
| VAR00104 | .365 | .460 |
| VAR00058 | .400 | .460 |
| VAR00118 | .387 | .451 |
| VAR00092 | .398 | .427 |
| VAR00116 | .374 | .419 |
| VAR00039 | .363 | .418 |
| Extraction Method: Principal Component Analysis. | | |
| a. 2 components extracted. | | |

|  |  |  |
| --- | --- | --- |
| **Pattern Matrixa** | | |
|  | Component | |
| 1 | 2 |
| VAR00086 | .692 |  |
| VAR00073 | .679 |  |
| VAR00004 | .677 |  |
| VAR00011 | .676 |  |
| VAR00090 | .672 |  |
| VAR00120 | .669 |  |
| VAR00141 | .668 |  |
| VAR00100 | .667 |  |
| VAR00145 | .662 |  |
| VAR00096 | .660 |  |
| VAR00079 | .655 |  |
| VAR00005 | .654 |  |
| VAR00109 | .653 |  |
| VAR00105 | .653 |  |
| VAR00061 | .651 |  |
| VAR00002 | .645 |  |
| VAR00098 | .644 |  |
| VAR00130 | .642 |  |
| VAR00080 | .639 |  |
| VAR00010 | .639 |  |
| VAR00152 | .635 |  |
| VAR00064 | .633 |  |
| VAR00124 | .630 |  |
| VAR00084 | .630 |  |
| VAR00015 | .627 |  |
| VAR00031 | .624 |  |
| VAR00076 | .621 |  |
| VAR00051 | .609 |  |
| VAR00016 | .607 |  |
| VAR00134 | .604 |  |
| VAR00078 | .604 |  |
| VAR00103 | .602 |  |
| VAR00133 | .601 |  |
| VAR00055 | .600 |  |
| VAR00025 | .593 |  |
| VAR00032 | .593 |  |
| VAR00013 | .588 |  |
| VAR00106 | .586 |  |
| VAR00008 | .586 |  |
| VAR00077 | .586 |  |
| VAR00111 | .585 |  |
| VAR00046 | .581 |  |
| VAR00056 | .579 |  |
| VAR00127 | .570 |  |
| VAR00143 | .567 |  |
| VAR00093 | .557 |  |
| VAR00151 | .557 |  |
| VAR00034 | .547 |  |
| VAR00060 | .547 |  |
| VAR00052 | .509 |  |
| VAR00049 |  | .629 |
| VAR00059 |  | .627 |
| VAR00037 |  | .625 |
| VAR00071 |  | .620 |
| VAR00099 |  | .613 |
| VAR00097 |  | .612 |
| VAR00095 |  | .612 |
| VAR00023 |  | .611 |
| VAR00122 |  | .610 |
| VAR00136 |  | .609 |
| VAR00119 |  | .604 |
| VAR00150 |  | .594 |
| VAR00058 |  | .593 |
| VAR00094 |  | .592 |
| VAR00149 |  | .586 |
| VAR00104 |  | .584 |
| VAR00118 |  | .580 |
| VAR00021 |  | .573 |
| VAR00038 |  | .557 |
| VAR00092 |  | .557 |
| VAR00116 |  | .542 |
| VAR00039 |  | .539 |
| Extraction Method: Principal Component Analysis.   Rotation Method: Oblimin with Kaiser Normalization. | | |
| a. Rotation converged in 3 iterations. | | |

|  |  |  |
| --- | --- | --- |
| **Structure Matrix** | | |
|  | Component | |
| 1 | 2 |
| VAR00011 | .732 | .414 |
| VAR00061 | .713 | .419 |
| VAR00100 | .707 | .374 |
| VAR00145 | .703 | .374 |
| VAR00141 | .680 | .305 |
| VAR00130 | .670 | .333 |
| VAR00105 | .668 | .306 |
| VAR00010 | .668 | .334 |
| VAR00002 | .663 | .311 |
| VAR00096 | .662 |  |
| VAR00073 | .661 |  |
| VAR00086 | .652 |  |
| VAR00004 | .650 |  |
| VAR00079 | .646 |  |
| VAR00031 | .646 | .312 |
| VAR00008 | .641 | .376 |
| VAR00015 | .640 |  |
| VAR00124 | .635 |  |
| VAR00084 | .634 |  |
| VAR00152 | .632 |  |
| VAR00076 | .630 |  |
| VAR00109 | .629 |  |
| VAR00060 | .628 | .424 |
| VAR00005 | .627 |  |
| VAR00064 | .625 |  |
| VAR00098 | .625 |  |
| VAR00090 | .625 |  |
| VAR00133 | .622 | .300 |
| VAR00111 | .622 | .331 |
| VAR00103 | .616 |  |
| VAR00080 | .613 |  |
| VAR00077 | .612 | .307 |
| VAR00134 | .610 |  |
| VAR00120 | .608 |  |
| VAR00016 | .607 |  |
| VAR00127 | .606 | .323 |
| VAR00025 | .606 |  |
| VAR00032 | .604 |  |
| VAR00143 | .603 | .321 |
| VAR00151 | .598 | .331 |
| VAR00052 | .591 | .410 |
| VAR00106 | .590 |  |
| VAR00051 | .588 |  |
| VAR00013 | .573 |  |
| VAR00078 | .566 |  |
| VAR00093 | .565 |  |
| VAR00046 | .563 |  |
| VAR00055 | .562 |  |
| VAR00056 | .557 |  |
| VAR00034 | .551 |  |
| VAR00059 |  | .631 |
| VAR00049 |  | .629 |
| VAR00095 |  | .624 |
| VAR00023 |  | .624 |
| VAR00122 |  | .623 |
| VAR00099 |  | .618 |
| VAR00037 |  | .618 |
| VAR00097 |  | .615 |
| VAR00058 |  | .609 |
| VAR00136 |  | .601 |
| VAR00150 |  | .600 |
| VAR00038 | .332 | .599 |
| VAR00119 |  | .594 |
| VAR00118 |  | .594 |
| VAR00094 |  | .592 |
| VAR00071 |  | .587 |
| VAR00104 |  | .587 |
| VAR00092 |  | .581 |
| VAR00149 |  | .577 |
| VAR00116 |  | .560 |
| VAR00039 |  | .553 |
| VAR00021 |  | .549 |
| Extraction Method: Principal Component Analysis.   Rotation Method: Oblimin with Kaiser Normalization. | | |

|  |  |  |
| --- | --- | --- |
| **Component Correlation Matrix** | | |
| Component | 1 | 2 |
| 1 | 1.000 | .414 |
| 2 | .414 | 1.000 |
| Extraction Method: Principal Component Analysis.   Rotation Method: Oblimin with Kaiser Normalization. | | |

1. Result of Final Reliability

**Reliability for Factor 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case Processing Summary** | | | |  |
|  | | N | % |  |
| Cases | Valid | 463 | 100.0 |  |
| Excludeda | 0 | 0.0 |  |
| Total | 463 | 100.0 |  |
| a. Listwise deletion based on all variables in the procedure. | | | |  |
|  |  |  |  |  |
| **Reliability Statistics** | |  |  |  |
| Cronbach's Alpha | N of Items |  |  |  |
| .968 | 50 |  |  |  |
|  |  |  |  |  |
| **Item Statistics** | | | |  |
|  | Mean | Std. Deviation | N |  |
| VAR00002 | 1.4600 | .86165 | 463 |  |
| VAR00004 | 1.4060 | .88232 | 463 |  |
| VAR00005 | 1.4600 | .86165 | 463 |  |
| VAR00008 | 1.4536 | .85881 | 463 |  |
| VAR00010 | 1.5054 | .83968 | 463 |  |
| VAR00011 | 1.3888 | .89252 | 463 |  |
| VAR00013 | 1.5767 | .77993 | 463 |  |
| VAR00015 | 1.6458 | .72061 | 463 |  |
| VAR00016 | 1.5464 | .80414 | 463 |  |
| VAR00025 | 1.5162 | .82655 | 463 |  |
| VAR00031 | 1.2441 | .94367 | 463 |  |
| VAR00032 | 1.3823 | .88437 | 463 |  |
| VAR00034 | 1.3218 | .90100 | 463 |  |
| VAR00046 | 1.2829 | .91634 | 463 |  |
| VAR00051 | 1.0648 | .97374 | 463 |  |
| VAR00052 | 1.4600 | .84900 | 463 |  |
| VAR00055 | 1.2073 | .94902 | 463 |  |
| VAR00060 | 1.4708 | .83660 | 463 |  |
| VAR00061 | 1.2808 | .93917 | 463 |  |
| VAR00064 | 1.3888 | .87290 | 463 |  |
| VAR00073 | 1.4212 | .86649 | 463 |  |
| VAR00076 | 1.1987 | .94859 | 463 |  |
| VAR00077 | 1.4017 | .89404 | 463 |  |
| VAR00078 | 1.2721 | .91844 | 463 |  |
| VAR00079 | 1.4190 | .87623 | 463 |  |
| VAR00080 | 1.3067 | .92401 | 463 |  |
| VAR00084 | 1.3261 | .91376 | 463 |  |
| VAR00086 | 1.3521 | .90407 | 463 |  |
| VAR00093 | 1.3024 | .92543 | 463 |  |
| VAR00096 | 1.4060 | .86748 | 463 |  |
| VAR00098 | 1.2873 | .92908 | 463 |  |
| VAR00100 | 1.4060 | .88721 | 463 |  |
| VAR00103 | 1.5810 | .76265 | 463 |  |
| VAR00105 | 1.4536 | .85881 | 463 |  |
| VAR00106 | 1.3866 | .88249 | 463 |  |
| VAR00109 | 1.2246 | .93586 | 463 |  |
| VAR00111 | 1.0778 | .96833 | 463 |  |
| VAR00120 | 1.2635 | .90675 | 463 |  |
| VAR00124 | 1.3153 | .90688 | 463 |  |
| VAR00127 | 1.4449 | .86583 | 463 |  |
| VAR00130 | 1.3737 | .89534 | 463 |  |
| VAR00133 | 1.2095 | .94052 | 463 |  |
| VAR00134 | 1.3629 | .89375 | 463 |  |
| VAR00141 | 1.1555 | .95437 | 463 |  |
| VAR00143 | 1.4471 | .85591 | 463 |  |
| VAR00145 | 1.3909 | .88792 | 463 |  |
| VAR00151 | .9870 | .96914 | 463 |  |
| VAR00152 | 1.4644 | .84408 | 463 |  |
| VAR00090 | 1.3261 | .91376 | 463 |  |
| VAR00056 | 1.3261 | .91376 | 463 |  |
|  |  |  |  |  |
| **Item-Total Statistics** | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
| VAR00002 | 66.4924 | 743.298 | .644 | .968 |
| VAR00004 | 66.5464 | 743.352 | .627 | .968 |
| VAR00005 | 66.4924 | 745.225 | .603 | .968 |
| VAR00008 | 66.4989 | 744.359 | .623 | .968 |
| VAR00010 | 66.4471 | 743.936 | .648 | .968 |
| VAR00011 | 66.5637 | 738.796 | .716 | .967 |
| VAR00013 | 66.3758 | 750.274 | .548 | .968 |
| VAR00015 | 66.3067 | 749.343 | .620 | .968 |
| VAR00016 | 66.4060 | 747.947 | .585 | .968 |
| VAR00025 | 66.4363 | 747.173 | .586 | .968 |
| VAR00031 | 66.7084 | 741.164 | .628 | .968 |
| VAR00032 | 66.5702 | 745.345 | .584 | .968 |
| VAR00034 | 66.6307 | 747.259 | .533 | .968 |
| VAR00046 | 66.6695 | 746.295 | .543 | .968 |
| VAR00051 | 66.8877 | 743.217 | .568 | .968 |
| VAR00052 | 66.4924 | 746.783 | .578 | .968 |
| VAR00055 | 66.7451 | 745.506 | .538 | .968 |
| VAR00060 | 66.4816 | 745.523 | .615 | .968 |
| VAR00061 | 66.6717 | 737.658 | .701 | .967 |
| VAR00064 | 66.5637 | 744.718 | .605 | .968 |
| VAR00073 | 66.5313 | 743.336 | .640 | .968 |
| VAR00076 | 66.7538 | 741.831 | .611 | .968 |
| VAR00077 | 66.5508 | 744.551 | .594 | .968 |
| VAR00078 | 66.6803 | 746.118 | .545 | .968 |
| VAR00079 | 66.5335 | 743.665 | .625 | .968 |
| VAR00080 | 66.6458 | 743.731 | .590 | .968 |
| VAR00084 | 66.6263 | 742.858 | .615 | .968 |
| VAR00086 | 66.6004 | 742.522 | .629 | .968 |
| VAR00093 | 66.6501 | 745.821 | .547 | .968 |
| VAR00096 | 66.5464 | 743.196 | .642 | .968 |
| VAR00098 | 66.6652 | 742.933 | .603 | .968 |
| VAR00100 | 66.5464 | 740.196 | .690 | .967 |
| VAR00103 | 66.3715 | 748.827 | .597 | .968 |
| VAR00105 | 66.4989 | 743.290 | .647 | .968 |
| VAR00106 | 66.5659 | 746.095 | .569 | .968 |
| VAR00109 | 66.7279 | 742.493 | .607 | .968 |
| VAR00111 | 66.8747 | 741.417 | .606 | .968 |
| VAR00120 | 66.6890 | 744.669 | .582 | .968 |
| VAR00124 | 66.6371 | 743.033 | .616 | .968 |
| VAR00127 | 66.5076 | 745.753 | .588 | .968 |
| VAR00130 | 66.5788 | 741.695 | .652 | .967 |
| VAR00133 | 66.7430 | 742.490 | .604 | .968 |
| VAR00134 | 66.5896 | 744.736 | .590 | .968 |
| VAR00141 | 66.7970 | 739.050 | .662 | .967 |
| VAR00143 | 66.5054 | 746.233 | .585 | .968 |
| VAR00145 | 66.5616 | 740.329 | .687 | .967 |
| VAR00151 | 66.9654 | 742.639 | .582 | .968 |
| VAR00152 | 66.4881 | 745.445 | .611 | .968 |
| VAR00090 | 66.6263 | 743.650 | .599 | .968 |
| VAR00056 | 66.6263 | 746.854 | .533 | .968 |
|  |  |  |  |  |
| **Scale Statistics** | | | |  |
| Mean | Variance | Std. Deviation | N of Items |  |
| 67.9525 | 774.314 | 27.82649 | 50 |  |

**Reliability for Factor 2**

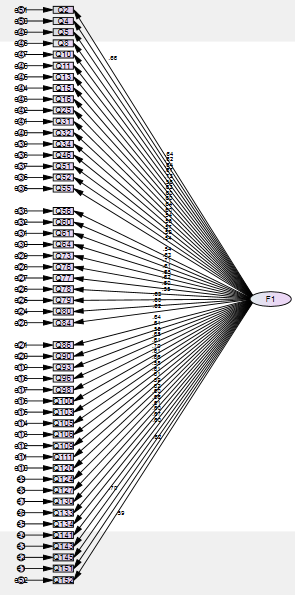
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case Processing Summary** | | | |  |
|  | | N | % |  |
| Cases | Valid | 463 | 100.0 |  |
| Excludeda | 0 | 0.0 |  |
| Total | 463 | 100.0 |  |
| a. Listwise deletion based on all variables in the procedure. | | | |  |
|  |  |  |  |  |
| **Reliability Statistics** | |  |  |  |
| Cronbach's Alpha | N of Items |  |  |  |
| .915 | 22 |  |  |  |
|  |  |  |  |  |
| **Item Statistics** | | | |  |
|  | Mean | Std. Deviation | N |  |
| VAR00021 | 1.8164 | .53330 | 463 |  |
| VAR00023 | 1.7106 | .66648 | 463 |  |
| VAR00037 | 1.7171 | .66113 | 463 |  |
| VAR00038 | 1.6890 | .68568 | 463 |  |
| VAR00039 | 1.6631 | .71689 | 463 |  |
| VAR00049 | 1.6868 | .68311 | 463 |  |
| VAR00058 | 1.6544 | .72181 | 463 |  |
| VAR00059 | 1.6415 | .73042 | 463 |  |
| VAR00071 | 1.8099 | .54905 | 463 |  |
| VAR00092 | 1.6933 | .69077 | 463 |  |
| VAR00094 | 1.6868 | .69255 | 463 |  |
| VAR00095 | 1.6220 | .76001 | 463 |  |
| VAR00097 | 1.6890 | .68568 | 463 |  |
| VAR00099 | 1.6782 | .69171 | 463 |  |
| VAR00104 | 1.7343 | .64520 | 463 |  |
| VAR00116 | 1.6544 | .71881 | 463 |  |
| VAR00118 | 1.5961 | .77218 | 463 |  |
| VAR00119 | 1.6739 | .68968 | 463 |  |
| VAR00122 | 1.6652 | .68867 | 463 |  |
| VAR00136 | 1.5054 | .81880 | 463 |  |
| VAR00149 | 1.7451 | .61708 | 463 |  |
| VAR00150 | 1.7279 | .63742 | 463 |  |
|  |  |  |  |  |
| **Item-Total Statistics** | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
| VAR00021 | 35.2441 | 76.916 | .490 | .912 |
| VAR00023 | 35.3499 | 74.769 | .570 | .910 |
| VAR00037 | 35.3434 | 74.966 | .557 | .911 |
| VAR00038 | 35.3715 | 74.758 | .553 | .911 |
| VAR00039 | 35.3974 | 75.028 | .503 | .912 |
| VAR00049 | 35.3737 | 74.533 | .575 | .910 |
| VAR00058 | 35.4060 | 74.285 | .561 | .910 |
| VAR00059 | 35.4190 | 73.945 | .582 | .910 |
| VAR00071 | 35.2505 | 76.405 | .529 | .911 |
| VAR00092 | 35.3672 | 74.900 | .536 | .911 |
| VAR00094 | 35.3737 | 74.771 | .545 | .911 |
| VAR00095 | 35.4384 | 73.740 | .572 | .910 |
| VAR00097 | 35.3715 | 74.632 | .564 | .910 |
| VAR00099 | 35.3823 | 74.514 | .569 | .910 |
| VAR00104 | 35.3261 | 75.311 | .541 | .911 |
| VAR00116 | 35.4060 | 74.882 | .513 | .912 |
| VAR00118 | 35.4644 | 73.942 | .546 | .911 |
| VAR00119 | 35.3866 | 74.861 | .540 | .911 |
| VAR00122 | 35.3952 | 74.469 | .576 | .910 |
| VAR00136 | 35.5551 | 73.369 | .552 | .911 |
| VAR00149 | 35.3153 | 75.792 | .522 | .911 |
| VAR00150 | 35.3326 | 75.287 | .551 | .911 |
|  |  |  |  |  |
| **Scale Statistics** | | | |  |
| Mean | Variance | Std. Deviation | N of Items |  |
| 37.0605 | 81.784 | 9.04346 | 22 |  |

**Reliability Overall**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case Processing Summary** | | | |  |
|  | | N | % |  |
| Cases | Valid | 463 | 100.0 |  |
| Excludeda | 0 | 0.0 |  |
| Total | 463 | 100.0 |  |
| a. Listwise deletion based on all variables in the procedure. | | | |  |
|  |  |  |  |  |
| **Reliability Statistics** | |  |  |  |
| Cronbach's Alpha | N of Items |  |  |  |
| .967 | 72 |  |  |  |
|  |  |  |  |  |
| **Item Statistics** | | | |  |
|  | Mean | Std. Deviation | N |  |
| VAR00002 | 1.4600 | .86165 | 463 |  |
| VAR00004 | 1.4060 | .88232 | 463 |  |
| VAR00005 | 1.4600 | .86165 | 463 |  |
| VAR00008 | 1.4536 | .85881 | 463 |  |
| VAR00010 | 1.5054 | .83968 | 463 |  |
| VAR00011 | 1.3888 | .89252 | 463 |  |
| VAR00013 | 1.5767 | .77993 | 463 |  |
| VAR00015 | 1.6458 | .72061 | 463 |  |
| VAR00016 | 1.5464 | .80414 | 463 |  |
| VAR00021 | 1.8164 | .53330 | 463 |  |
| VAR00023 | 1.7106 | .66648 | 463 |  |
| VAR00025 | 1.5162 | .82655 | 463 |  |
| VAR00031 | 1.2441 | .94367 | 463 |  |
| VAR00032 | 1.3823 | .88437 | 463 |  |
| VAR00034 | 1.3218 | .90100 | 463 |  |
| VAR00037 | 1.7171 | .66113 | 463 |  |
| VAR00038 | 1.6890 | .68568 | 463 |  |
| VAR00039 | 1.6631 | .71689 | 463 |  |
| VAR00046 | 1.2829 | .91634 | 463 |  |
| VAR00049 | 1.6868 | .68311 | 463 |  |
| VAR00051 | 1.0648 | .97374 | 463 |  |
| VAR00052 | 1.4600 | .84900 | 463 |  |
| VAR00055 | 1.2073 | .94902 | 463 |  |
| VAR00058 | 1.6544 | .72181 | 463 |  |
| VAR00059 | 1.6415 | .73042 | 463 |  |
| VAR00060 | 1.4708 | .83660 | 463 |  |
| VAR00061 | 1.2808 | .93917 | 463 |  |
| VAR00064 | 1.3888 | .87290 | 463 |  |
| VAR00071 | 1.8099 | .54905 | 463 |  |
| VAR00073 | 1.4212 | .86649 | 463 |  |
| VAR00076 | 1.1987 | .94859 | 463 |  |
| VAR00077 | 1.4017 | .89404 | 463 |  |
| VAR00078 | 1.2721 | .91844 | 463 |  |
| VAR00079 | 1.4190 | .87623 | 463 |  |
| VAR00080 | 1.3067 | .92401 | 463 |  |
| VAR00084 | 1.3261 | .91376 | 463 |  |
| VAR00086 | 1.3521 | .90407 | 463 |  |
| VAR00092 | 1.6933 | .69077 | 463 |  |
| VAR00093 | 1.3024 | .92543 | 463 |  |
| VAR00094 | 1.6868 | .69255 | 463 |  |
| VAR00095 | 1.6220 | .76001 | 463 |  |
| VAR00096 | 1.4060 | .86748 | 463 |  |
| VAR00097 | 1.6890 | .68568 | 463 |  |
| VAR00098 | 1.2873 | .92908 | 463 |  |
| VAR00099 | 1.6782 | .69171 | 463 |  |
| VAR00100 | 1.4060 | .88721 | 463 |  |
| VAR00103 | 1.5810 | .76265 | 463 |  |
| VAR00105 | 1.4536 | .85881 | 463 |  |
| VAR00106 | 1.3866 | .88249 | 463 |  |
| VAR00109 | 1.2246 | .93586 | 463 |  |
| VAR00111 | 1.0778 | .96833 | 463 |  |
| VAR00104 | 1.7343 | .64520 | 463 |  |
| VAR00116 | 1.6544 | .71881 | 463 |  |
| VAR00118 | 1.5961 | .77218 | 463 |  |
| VAR00119 | 1.6739 | .68968 | 463 |  |
| VAR00120 | 1.2635 | .90675 | 463 |  |
| VAR00122 | 1.6652 | .68867 | 463 |  |
| VAR00124 | 1.3153 | .90688 | 463 |  |
| VAR00127 | 1.4449 | .86583 | 463 |  |
| VAR00130 | 1.3737 | .89534 | 463 |  |
| VAR00133 | 1.2095 | .94052 | 463 |  |
| VAR00134 | 1.3629 | .89375 | 463 |  |
| VAR00136 | 1.5054 | .81880 | 463 |  |
| VAR00141 | 1.1555 | .95437 | 463 |  |
| VAR00143 | 1.4471 | .85591 | 463 |  |
| VAR00145 | 1.3909 | .88792 | 463 |  |
| VAR00149 | 1.7451 | .61708 | 463 |  |
| VAR00150 | 1.7279 | .63742 | 463 |  |
| VAR00151 | .9870 | .96914 | 463 |  |
| VAR00152 | 1.4644 | .84408 | 463 |  |
| VAR00090 | 1.3261 | .91376 | 463 |  |
| VAR00056 | 1.3261 | .91376 | 463 |  |
|  |  |  |  |  |
| **Item-Total Statistics** | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
| VAR00002 | 103.5529 | 1047.880 | .631 | .967 |
| VAR00004 | 103.6069 | 1049.079 | .594 | .967 |
| VAR00005 | 103.5529 | 1051.339 | .568 | .967 |
| VAR00008 | 103.5594 | 1047.974 | .631 | .967 |
| VAR00010 | 103.5076 | 1048.480 | .637 | .967 |
| VAR00011 | 103.6242 | 1041.516 | .720 | .966 |
| VAR00013 | 103.4363 | 1056.779 | .521 | .967 |
| VAR00015 | 103.3672 | 1055.094 | .602 | .967 |
| VAR00016 | 103.4665 | 1053.726 | .564 | .967 |
| VAR00021 | 103.1965 | 1073.106 | .298 | .967 |
| VAR00023 | 103.3024 | 1065.701 | .406 | .967 |
| VAR00025 | 103.4968 | 1052.610 | .569 | .967 |
| VAR00031 | 103.7689 | 1045.213 | .618 | .967 |
| VAR00032 | 103.6307 | 1050.459 | .568 | .967 |
| VAR00034 | 103.6911 | 1052.829 | .516 | .967 |
| VAR00037 | 103.2959 | 1067.538 | .367 | .967 |
| VAR00038 | 103.3240 | 1063.717 | .439 | .967 |
| VAR00039 | 103.3499 | 1066.362 | .362 | .967 |
| VAR00046 | 103.7300 | 1052.293 | .516 | .967 |
| VAR00049 | 103.3261 | 1066.095 | .387 | .967 |
| VAR00051 | 103.9482 | 1048.777 | .540 | .967 |
| VAR00052 | 103.5529 | 1050.183 | .598 | .967 |
| VAR00055 | 103.8056 | 1051.945 | .503 | .967 |
| VAR00058 | 103.3585 | 1064.434 | .400 | .967 |
| VAR00059 | 103.3715 | 1064.511 | .394 | .967 |
| VAR00060 | 103.5421 | 1048.794 | .633 | .967 |
| VAR00061 | 103.7322 | 1039.911 | .710 | .966 |
| VAR00064 | 103.6242 | 1050.170 | .581 | .967 |
| VAR00071 | 103.2030 | 1072.521 | .305 | .967 |
| VAR00073 | 103.5918 | 1048.857 | .609 | .967 |
| VAR00076 | 103.8143 | 1046.316 | .596 | .967 |
| VAR00077 | 103.6112 | 1048.991 | .587 | .967 |
| VAR00078 | 103.7408 | 1052.573 | .510 | .967 |
| VAR00079 | 103.5940 | 1048.956 | .601 | .967 |
| VAR00080 | 103.7063 | 1049.567 | .558 | .967 |
| VAR00084 | 103.6868 | 1047.705 | .596 | .967 |
| VAR00086 | 103.6609 | 1048.480 | .589 | .967 |
| VAR00092 | 103.3197 | 1065.395 | .398 | .967 |
| VAR00093 | 103.7106 | 1050.985 | .533 | .967 |
| VAR00094 | 103.3261 | 1066.839 | .365 | .967 |
| VAR00095 | 103.3909 | 1063.234 | .403 | .967 |
| VAR00096 | 103.6069 | 1048.096 | .622 | .967 |
| VAR00097 | 103.3240 | 1066.250 | .382 | .967 |
| VAR00098 | 103.7257 | 1048.433 | .574 | .967 |
| VAR00099 | 103.3348 | 1065.751 | .389 | .967 |
| VAR00100 | 103.6069 | 1043.629 | .687 | .966 |
| VAR00103 | 103.4320 | 1054.480 | .580 | .967 |
| VAR00105 | 103.5594 | 1047.844 | .634 | .967 |
| VAR00106 | 103.6263 | 1051.447 | .552 | .967 |
| VAR00109 | 103.7883 | 1047.977 | .577 | .967 |
| VAR00111 | 103.9352 | 1044.918 | .606 | .967 |
| VAR00104 | 103.2786 | 1067.916 | .367 | .967 |
| VAR00116 | 103.3585 | 1065.698 | .375 | .967 |
| VAR00118 | 103.4168 | 1063.728 | .387 | .967 |
| VAR00119 | 103.3391 | 1067.567 | .350 | .967 |
| VAR00120 | 103.7495 | 1051.634 | .533 | .967 |
| VAR00122 | 103.3477 | 1065.080 | .406 | .967 |
| VAR00124 | 103.6976 | 1047.904 | .598 | .967 |
| VAR00127 | 103.5680 | 1050.185 | .586 | .967 |
| VAR00130 | 103.6393 | 1045.660 | .645 | .967 |
| VAR00133 | 103.8035 | 1046.686 | .595 | .967 |
| VAR00134 | 103.6501 | 1049.730 | .575 | .967 |
| VAR00136 | 103.5076 | 1064.108 | .356 | .967 |
| VAR00141 | 103.8575 | 1042.975 | .648 | .967 |
| VAR00143 | 103.5659 | 1050.779 | .582 | .967 |
| VAR00145 | 103.6220 | 1043.751 | .684 | .967 |
| VAR00149 | 103.2678 | 1069.733 | .339 | .967 |
| VAR00150 | 103.2851 | 1067.633 | .379 | .967 |
| VAR00151 | 104.0259 | 1046.216 | .585 | .967 |
| VAR00152 | 103.5486 | 1050.919 | .588 | .967 |
| VAR00090 | 103.6868 | 1050.055 | .556 | .967 |
| VAR00056 | 103.6868 | 1052.900 | .507 | .967 |
|  |  |  |  |  |
| **Scale Statistics** | | | |  |
| Mean | Variance | Std. Deviation | N of Items |  |
| 105.0130 | 1083.809 | 32.92126 | 72 |  |

1. Result of Fit Statistics

**Notes for Model Fit 1**



**Notes for Model (Default model)**

**Computation of degrees of freedom (Default model)**

|  |  |
| --- | --- |
| Number of distinct sample moments: | 1275 |
| Number of distinct parameters to be estimated: | 100 |
| Degrees of freedom (1275 - 100): | 1175 |

**Result (Default model)**

Minimum was achieved

Chi-square = 2907.193

Degrees of freedom = 1175

Probability level = .000

**Estimates (Group number 1 - Default model)**

**Scalar Estimates (Group number 1 - Default model)**

**Maximum Likelihood Estimates**

**Regression Weights: (Group number 1 - Default model)**

|  |  |  | Estimate | S.E. | C.R. | P | Label |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Q151 | <--- | F1 | 1.000 |  |  |  |  |
| Q145 | <--- | F1 | 1.081 | .087 | 12.424 | \*\*\* |  |
| Q143 | <--- | F1 | .888 | .080 | 11.036 | \*\*\* |  |
| Q141 | <--- | F1 | 1.114 | .092 | 12.053 | \*\*\* |  |
| Q134 | <--- | F1 | .933 | .084 | 11.090 | \*\*\* |  |
| Q133 | <--- | F1 | 1.007 | .089 | 11.307 | \*\*\* |  |
| Q130 | <--- | F1 | 1.035 | .086 | 11.964 | \*\*\* |  |
| Q127 | <--- | F1 | .902 | .081 | 11.076 | \*\*\* |  |
| Q124 | <--- | F1 | .987 | .086 | 11.449 | \*\*\* |  |
| Q120 | <--- | F1 | .930 | .085 | 10.946 | \*\*\* |  |
| Q111 | <--- | F1 | 1.035 | .092 | 11.296 | \*\*\* |  |
| Q109 | <--- | F1 | 1.000 | .089 | 11.288 | \*\*\* |  |
| Q106 | <--- | F1 | .894 | .082 | 10.836 | \*\*\* |  |
| Q105 | <--- | F1 | .988 | .083 | 11.924 | \*\*\* |  |
| Q103 | <--- | F1 | .808 | .072 | 11.217 | \*\*\* |  |
| Q100 | <--- | F1 | 1.089 | .087 | 12.493 | \*\*\* |  |
| Q98 | <--- | F1 | .992 | .088 | 11.281 | \*\*\* |  |
| Q96 | <--- | F1 | .987 | .083 | 11.829 | \*\*\* |  |
| Q93 | <--- | F1 | .890 | .086 | 10.407 | \*\*\* |  |
| Q90 | <--- | F1 | .969 | .086 | 11.228 | \*\*\* |  |
| Q86 | <--- | F1 | 1.001 | .086 | 11.597 | \*\*\* |  |
| Q84 | <--- | F1 | .990 | .087 | 11.407 | \*\*\* |  |
| Q80 | <--- | F1 | .966 | .087 | 11.101 | \*\*\* |  |
| Q79 | <--- | F1 | .969 | .084 | 11.586 | \*\*\* |  |
| Q78 | <--- | F1 | .877 | .085 | 10.346 | \*\*\* |  |
| Q77 | <--- | F1 | .938 | .084 | 11.137 | \*\*\* |  |
| Q76 | <--- | F1 | 1.021 | .090 | 11.354 | \*\*\* |  |
| Q73 | <--- | F1 | .981 | .083 | 11.786 | \*\*\* |  |
| Q64 | <--- | F1 | .931 | .083 | 11.276 | \*\*\* |  |
| Q61 | <--- | F1 | 1.161 | .092 | 12.556 | \*\*\* |  |
| Q60 | <--- | F1 | .913 | .080 | 11.469 | \*\*\* |  |
| Q56 | <--- | F1 | .862 | .084 | 10.243 | \*\*\* |  |
| Q55 | <--- | F1 | .901 | .087 | 10.299 | \*\*\* |  |
| Q52 | <--- | F1 | .869 | .080 | 10.924 | \*\*\* |  |
| Q51 | <--- | F1 | .971 | .091 | 10.709 | \*\*\* |  |
| Q46 | <--- | F1 | .875 | .085 | 10.346 | \*\*\* |  |
| Q34 | <--- | F1 | .847 | .083 | 10.219 | \*\*\* |  |
| Q32 | <--- | F1 | .918 | .083 | 11.044 | \*\*\* |  |
| Q31 | <--- | F1 | 1.050 | .090 | 11.640 | \*\*\* |  |
| Q25 | <--- | F1 | .862 | .078 | 11.079 | \*\*\* |  |
| Q16 | <--- | F1 | .835 | .076 | 11.050 | \*\*\* |  |
| Q15 | <--- | F1 | .796 | .069 | 11.579 | \*\*\* |  |
| Q13 | <--- | F1 | .764 | .072 | 10.552 | \*\*\* |  |
| Q11 | <--- | F1 | 1.136 | .089 | 12.812 | \*\*\* |  |
| Q10 | <--- | F1 | .976 | .081 | 12.016 | \*\*\* |  |
| Q8 | <--- | F1 | .955 | .082 | 11.636 | \*\*\* |  |
| Q5 | <--- | F1 | .925 | .082 | 11.329 | \*\*\* |  |
| Q4 | <--- | F1 | .979 | .084 | 11.610 | \*\*\* |  |
| Q2 | <--- | F1 | .986 | .083 | 11.878 | \*\*\* |  |
| Q152 | <--- | F1 | .914 | .080 | 11.401 | \*\*\* |  |

**Standardized Regression Weights: (Group number 1 - Default model)**

|  |  |  | Estimate |
| --- | --- | --- | --- |
| Q151 | <--- | F1 | .592 |
| Q145 | <--- | F1 | .699 |
| Q143 | <--- | F1 | .595 |
| Q141 | <--- | F1 | .670 |
| Q134 | <--- | F1 | .599 |
| Q133 | <--- | F1 | .615 |
| Q130 | <--- | F1 | .663 |
| Q127 | <--- | F1 | .598 |
| Q124 | <--- | F1 | .625 |
| Q120 | <--- | F1 | .589 |
| Q111 | <--- | F1 | .614 |
| Q109 | <--- | F1 | .613 |
| Q106 | <--- | F1 | .581 |
| Q105 | <--- | F1 | .660 |
| Q103 | <--- | F1 | .608 |
| Q100 | <--- | F1 | .705 |
| Q98 | <--- | F1 | .613 |
| Q96 | <--- | F1 | .653 |
| Q93 | <--- | F1 | .552 |
| Q90 | <--- | F1 | .609 |
| Q86 | <--- | F1 | .636 |
| Q84 | <--- | F1 | .622 |
| Q80 | <--- | F1 | .600 |
| Q79 | <--- | F1 | .635 |
| Q78 | <--- | F1 | .548 |
| Q77 | <--- | F1 | .602 |
| Q76 | <--- | F1 | .618 |
| Q73 | <--- | F1 | .650 |
| Q64 | <--- | F1 | .612 |
| Q61 | <--- | F1 | .710 |
| Q60 | <--- | F1 | .626 |
| Q56 | <--- | F1 | .541 |
| Q55 | <--- | F1 | .545 |
| Q52 | <--- | F1 | .587 |
| Q51 | <--- | F1 | .573 |
| Q46 | <--- | F1 | .548 |
| Q34 | <--- | F1 | .540 |
| Q32 | <--- | F1 | .596 |
| Q31 | <--- | F1 | .639 |
| Q25 | <--- | F1 | .598 |
| Q16 | <--- | F1 | .596 |
| Q15 | <--- | F1 | .634 |
| Q13 | <--- | F1 | .562 |
| Q11 | <--- | F1 | .731 |
| Q10 | <--- | F1 | .667 |
| Q8 | <--- | F1 | .639 |
| Q5 | <--- | F1 | .616 |
| Q4 | <--- | F1 | .637 |
| Q2 | <--- | F1 | .657 |
| Q152 | <--- | F1 | .621 |

**Variances: (Group number 1 - Default model)**

|  |  |  | Estimate | S.E. | C.R. | P | Label |
| --- | --- | --- | --- | --- | --- | --- | --- |
| F1 |  |  | .329 | .047 | 6.921 | \*\*\* |  |
| e1 |  |  | .608 | .041 | 14.939 | \*\*\* |  |
| e2 |  |  | .402 | .027 | 14.739 | \*\*\* |  |
| e3 |  |  | .472 | .032 | 14.935 | \*\*\* |  |
| e4 |  |  | .501 | .034 | 14.807 | \*\*\* |  |
| e5 |  |  | .511 | .034 | 14.930 | \*\*\* |  |
| e6 |  |  | .549 | .037 | 14.907 | \*\*\* |  |
| e7 |  |  | .448 | .030 | 14.821 | \*\*\* |  |
| e8 |  |  | .480 | .032 | 14.931 | \*\*\* |  |
| e9 |  |  | .500 | .034 | 14.891 | \*\*\* |  |
| e10 |  |  | .536 | .036 | 14.943 | \*\*\* |  |
| e11 |  |  | .583 | .039 | 14.908 | \*\*\* |  |
| e12 |  |  | .545 | .037 | 14.909 | \*\*\* |  |
| e13 |  |  | .515 | .034 | 14.953 | \*\*\* |  |
| e14 |  |  | .415 | .028 | 14.827 | \*\*\* |  |
| e15 |  |  | .366 | .025 | 14.917 | \*\*\* |  |
| e16 |  |  | .396 | .027 | 14.725 | \*\*\* |  |
| e17 |  |  | .538 | .036 | 14.910 | \*\*\* |  |
| e18 |  |  | .431 | .029 | 14.841 | \*\*\* |  |
| e19 |  |  | .594 | .040 | 14.988 | \*\*\* |  |
| e20 |  |  | .524 | .035 | 14.915 | \*\*\* |  |
| e21 |  |  | .486 | .033 | 14.873 | \*\*\* |  |
| e23 |  |  | .511 | .034 | 14.896 | \*\*\* |  |
| e24 |  |  | .545 | .037 | 14.928 | \*\*\* |  |
| e25 |  |  | .457 | .031 | 14.874 | \*\*\* |  |
| e26 |  |  | .589 | .039 | 14.992 | \*\*\* |  |
| e27 |  |  | .508 | .034 | 14.925 | \*\*\* |  |
| e28 |  |  | .555 | .037 | 14.902 | \*\*\* |  |
| e29 |  |  | .433 | .029 | 14.847 | \*\*\* |  |
| e30 |  |  | .475 | .032 | 14.910 | \*\*\* |  |
| e31 |  |  | .437 | .030 | 14.711 | \*\*\* |  |
| e32 |  |  | .424 | .029 | 14.888 | \*\*\* |  |
| e33 |  |  | .589 | .039 | 14.999 | \*\*\* |  |
| e35 |  |  | .632 | .042 | 14.996 | \*\*\* |  |
| e36 |  |  | .471 | .032 | 14.945 | \*\*\* |  |
| e37 |  |  | .636 | .042 | 14.964 | \*\*\* |  |
| e38 |  |  | .586 | .039 | 14.992 | \*\*\* |  |
| e39 |  |  | .574 | .038 | 15.001 | \*\*\* |  |
| e40 |  |  | .503 | .034 | 14.934 | \*\*\* |  |
| e41 |  |  | .526 | .035 | 14.867 | \*\*\* |  |
| e42 |  |  | .438 | .029 | 14.931 | \*\*\* |  |
| e43 |  |  | .416 | .028 | 14.933 | \*\*\* |  |
| e44 |  |  | .310 | .021 | 14.875 | \*\*\* |  |
| e45 |  |  | .415 | .028 | 14.977 | \*\*\* |  |
| e46 |  |  | .371 | .025 | 14.648 | \*\*\* |  |
| e47 |  |  | .390 | .026 | 14.813 | \*\*\* |  |
| e48 |  |  | .436 | .029 | 14.868 | \*\*\* |  |
| e49 |  |  | .460 | .031 | 14.904 | \*\*\* |  |
| e50 |  |  | .462 | .031 | 14.871 | \*\*\* |  |
| e51 |  |  | .421 | .028 | 14.834 | \*\*\* |  |
| e52 |  |  | .436 | .029 | 14.896 | \*\*\* |  |

**Model Fit Summary**

**CMIN**

| Model | NPAR | CMIN | DF | P | CMIN/DF |
| --- | --- | --- | --- | --- | --- |
| Default model | 100 | 2907.193 | 1175 | .000 | 2.474 |
| Saturated model | 1275 | .000 | 0 |  |  |
| Independence model | 50 | 12518.596 | 1225 | .000 | 10.219 |

**RMR, GFI**

| Model | RMR | GFI | AGFI | PGFI |
| --- | --- | --- | --- | --- |
| Default model | .036 | .777 | .759 | .716 |
| Saturated model | .000 | 1.000 |  |  |
| Independence model | .298 | .121 | .085 | .116 |

**Baseline Comparisons**

| Model | NFI Delta1 | RFI rho1 | IFI Delta2 | TLI rho2 | CFI |
| --- | --- | --- | --- | --- | --- |
| Default model | .768 | .758 | .847 | .840 | .847 |
| Saturated model | 1.000 |  | 1.000 |  | 1.000 |
| Independence model | .000 | .000 | .000 | .000 | .000 |

**Parsimony-Adjusted Measures**

| Model | PRATIO | PNFI | PCFI |
| --- | --- | --- | --- |
| Default model | .959 | .736 | .812 |
| Saturated model | .000 | .000 | .000 |
| Independence model | 1.000 | .000 | .000 |

**NCP**

| Model | NCP | LO 90 | HI 90 |
| --- | --- | --- | --- |
| Default model | 1732.193 | 1577.521 | 1894.495 |
| Saturated model | .000 | .000 | .000 |
| Independence model | 11293.596 | 10937.896 | 11655.793 |

**FMIN**

| Model | FMIN | F0 | LO 90 | HI 90 |
| --- | --- | --- | --- | --- |
| Default model | 6.293 | 3.749 | 3.415 | 4.101 |
| Saturated model | .000 | .000 | .000 | .000 |
| Independence model | 27.097 | 24.445 | 23.675 | 25.229 |

**RMSEA**

| Model | RMSEA | LO 90 | HI 90 | PCLOSE |
| --- | --- | --- | --- | --- |
| Default model | .056 | .054 | .059 | .000 |
| Independence model | .141 | .139 | .144 | .000 |

**AIC**

| Model | AIC | BCC | BIC | CAIC |
| --- | --- | --- | --- | --- |
| Default model | 3107.193 | 3132.011 | 3520.966 | 3620.966 |
| Saturated model | 2550.000 | 2866.423 | 7825.602 | 9100.602 |
| Independence model | 12618.596 | 12631.005 | 12825.483 | 12875.483 |

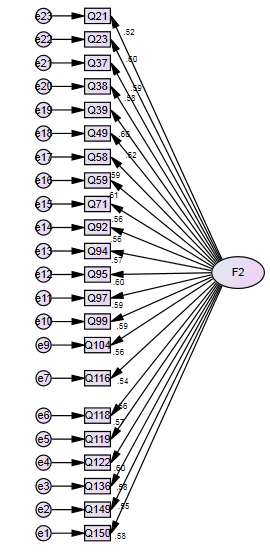
**ECVI**

| Model | ECVI | LO 90 | HI 90 | MECVI |
| --- | --- | --- | --- | --- |
| Default model | 6.726 | 6.391 | 7.077 | 6.779 |
| Saturated model | 5.519 | 5.519 | 5.519 | 6.204 |
| Independence model | 27.313 | 26.543 | 28.097 | 27.340 |

**HOELTER**

| Model | HOELTER .05 | HOELTER .01 |
| --- | --- | --- |
| Default model | 200 | 206 |
| Independence model | 49 | 50 |

**Notes for Model Fit 2**



**Notes for Model (Default model)**

**Computation of degrees of freedom (Default model)**

|  |  |
| --- | --- |
| Number of distinct sample moments: | 253 |
| Number of distinct parameters to be estimated: | 44 |
| Degrees of freedom (253 - 44): | 209 |

**Result (Default model)**

Minimum was achieved

Chi-square = 583.260

Degrees of freedom = 209

Probability level = .000

**Estimates (Group number 1 - Default model)**

**Scalar Estimates (Group number 1 - Default model)**

**Maximum Likelihood Estimates**

**Regression Weights: (Group number 1 - Default model)**

|  |  |  | Estimate | S.E. | C.R. | P | Label |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Q150 | <--- | F2 | 1.000 |  |  |  |  |
| Q149 | <--- | F2 | .923 | .094 | 9.833 | \*\*\* |  |
| Q136 | <--- | F2 | 1.290 | .126 | 10.221 | \*\*\* |  |
| Q122 | <--- | F2 | 1.129 | .107 | 10.524 | \*\*\* |  |
| Q119 | <--- | F2 | 1.059 | .106 | 10.031 | \*\*\* |  |
| Q118 | <--- | F2 | 1.204 | .119 | 10.140 | \*\*\* |  |
| Q116 | <--- | F2 | 1.051 | .109 | 9.662 | \*\*\* |  |
| Q104 | <--- | F2 | .991 | .099 | 10.030 | \*\*\* |  |
| Q99 | <--- | F2 | 1.120 | .107 | 10.429 | \*\*\* |  |
| Q97 | <--- | F2 | 1.108 | .106 | 10.415 | \*\*\* |  |
| Q95 | <--- | F2 | 1.241 | .118 | 10.491 | \*\*\* |  |
| Q94 | <--- | F2 | 1.072 | .106 | 10.090 | \*\*\* |  |
| Q92 | <--- | F2 | 1.058 | .106 | 10.006 | \*\*\* |  |
| Q71 | <--- | F2 | .832 | .084 | 9.930 | \*\*\* |  |
| Q59 | <--- | F2 | 1.216 | .114 | 10.641 | \*\*\* |  |
| Q58 | <--- | F2 | 1.154 | .112 | 10.335 | \*\*\* |  |
| Q49 | <--- | F2 | 1.126 | .107 | 10.563 | \*\*\* |  |
| Q39 | <--- | F2 | 1.026 | .108 | 9.502 | \*\*\* |  |
| Q38 | <--- | F2 | 1.082 | .106 | 10.235 | \*\*\* |  |
| Q37 | <--- | F2 | 1.058 | .102 | 10.339 | \*\*\* |  |
| Q23 | <--- | F2 | 1.095 | .104 | 10.541 | \*\*\* |  |
| Q21 | <--- | F2 | .750 | .080 | 9.377 | \*\*\* |  |

**Standardized Regression Weights: (Group number 1 - Default model)**

|  |  |  | Estimate |
| --- | --- | --- | --- |
| Q150 | <--- | F2 | .575 |
| Q149 | <--- | F2 | .549 |
| Q136 | <--- | F2 | .578 |
| Q122 | <--- | F2 | .601 |
| Q119 | <--- | F2 | .563 |
| Q118 | <--- | F2 | .572 |
| Q116 | <--- | F2 | .536 |
| Q104 | <--- | F2 | .563 |
| Q99 | <--- | F2 | .594 |
| Q97 | <--- | F2 | .593 |
| Q95 | <--- | F2 | .599 |
| Q94 | <--- | F2 | .568 |
| Q92 | <--- | F2 | .562 |
| Q71 | <--- | F2 | .556 |
| Q59 | <--- | F2 | .611 |
| Q58 | <--- | F2 | .587 |
| Q49 | <--- | F2 | .604 |
| Q39 | <--- | F2 | .525 |
| Q38 | <--- | F2 | .579 |
| Q37 | <--- | F2 | .587 |
| Q23 | <--- | F2 | .603 |
| Q21 | <--- | F2 | .516 |

**Variances: (Group number 1 - Default model)**

|  |  |  | Estimate | S.E. | C.R. | P | Label |
| --- | --- | --- | --- | --- | --- | --- | --- |
| F2 |  |  | .134 | .021 | 6.516 | \*\*\* |  |
| e1 |  |  | .271 | .019 | 14.506 | \*\*\* |  |
| e2 |  |  | .266 | .018 | 14.596 | \*\*\* |  |
| e3 |  |  | .446 | .031 | 14.498 | \*\*\* |  |
| e4 |  |  | .302 | .021 | 14.406 | \*\*\* |  |
| e5 |  |  | .324 | .022 | 14.548 | \*\*\* |  |
| e6 |  |  | .401 | .028 | 14.520 | \*\*\* |  |
| e7 |  |  | .367 | .025 | 14.634 | \*\*\* |  |
| e9 |  |  | .284 | .019 | 14.548 | \*\*\* |  |
| e10 |  |  | .309 | .021 | 14.437 | \*\*\* |  |
| e11 |  |  | .304 | .021 | 14.441 | \*\*\* |  |
| e12 |  |  | .370 | .026 | 14.417 | \*\*\* |  |
| e13 |  |  | .324 | .022 | 14.533 | \*\*\* |  |
| e14 |  |  | .326 | .022 | 14.555 | \*\*\* |  |
| e15 |  |  | .208 | .014 | 14.573 | \*\*\* |  |
| e16 |  |  | .334 | .023 | 14.367 | \*\*\* |  |
| e17 |  |  | .341 | .024 | 14.465 | \*\*\* |  |
| e18 |  |  | .296 | .021 | 14.393 | \*\*\* |  |
| e19 |  |  | .372 | .025 | 14.667 | \*\*\* |  |
| e20 |  |  | .312 | .022 | 14.494 | \*\*\* |  |
| e21 |  |  | .286 | .020 | 14.464 | \*\*\* |  |
| e22 |  |  | .282 | .020 | 14.401 | \*\*\* |  |
| e23 |  |  | .208 | .014 | 14.692 | \*\*\* |  |

**Model Fit Summary**

**CMIN**

| Model | NPAR | CMIN | DF | P | CMIN/DF |
| --- | --- | --- | --- | --- | --- |
| Default model | 44 | 583.260 | 209 | .000 | 2.791 |
| Saturated model | 253 | .000 | 0 |  |  |
| Independence model | 22 | 3514.351 | 231 | .000 | 15.214 |

**RMR, GFI**

| Model | RMR | GFI | AGFI | PGFI |
| --- | --- | --- | --- | --- |
| Default model | .021 | .898 | .877 | .742 |
| Saturated model | .000 | 1.000 |  |  |
| Independence model | .151 | .300 | .233 | .274 |

**Baseline Comparisons**

| Model | NFI Delta1 | RFI rho1 | IFI Delta2 | TLI rho2 | CFI |
| --- | --- | --- | --- | --- | --- |
| Default model | .834 | .817 | .887 | .874 | .886 |
| Saturated model | 1.000 |  | 1.000 |  | 1.000 |
| Independence model | .000 | .000 | .000 | .000 | .000 |

**Parsimony-Adjusted Measures**

| Model | PRATIO | PNFI | PCFI |
| --- | --- | --- | --- |
| Default model | .905 | .755 | .802 |
| Saturated model | .000 | .000 | .000 |
| Independence model | 1.000 | .000 | .000 |

**NCP**

| Model | NCP | LO 90 | HI 90 |
| --- | --- | --- | --- |
| Default model | 374.260 | 306.065 | 450.102 |
| Saturated model | .000 | .000 | .000 |
| Independence model | 3283.351 | 3095.154 | 3478.870 |

**FMIN**

| Model | FMIN | F0 | LO 90 | HI 90 |
| --- | --- | --- | --- | --- |
| Default model | 1.262 | .810 | .662 | .974 |
| Saturated model | .000 | .000 | .000 | .000 |
| Independence model | 7.607 | 7.107 | 6.699 | 7.530 |

**RMSEA**

| Model | RMSEA | LO 90 | HI 90 | PCLOSE |
| --- | --- | --- | --- | --- |
| Default model | .062 | .056 | .068 | .000 |
| Independence model | .175 | .170 | .181 | .000 |

**AIC**

| Model | AIC | BCC | BIC | CAIC |
| --- | --- | --- | --- | --- |
| Default model | 671.260 | 675.871 | 853.320 | 897.320 |
| Saturated model | 506.000 | 532.510 | 1552.845 | 1805.845 |
| Independence model | 3558.351 | 3560.656 | 3649.381 | 3671.381 |

**ECVI**

| Model | ECVI | LO 90 | HI 90 | MECVI |
| --- | --- | --- | --- | --- |
| Default model | 1.453 | 1.305 | 1.617 | 1.463 |
| Saturated model | 1.095 | 1.095 | 1.095 | 1.153 |
| Independence model | 7.702 | 7.295 | 8.125 | 7.707 |

**HOELTER**

| Model | HOELTER .05 | HOELTER .01 |
| --- | --- | --- |
| Default model | 194 | 206 |
| Independence model | 36 | 38 |

**Rules of Thumbs for Model Fitness Evaluation**

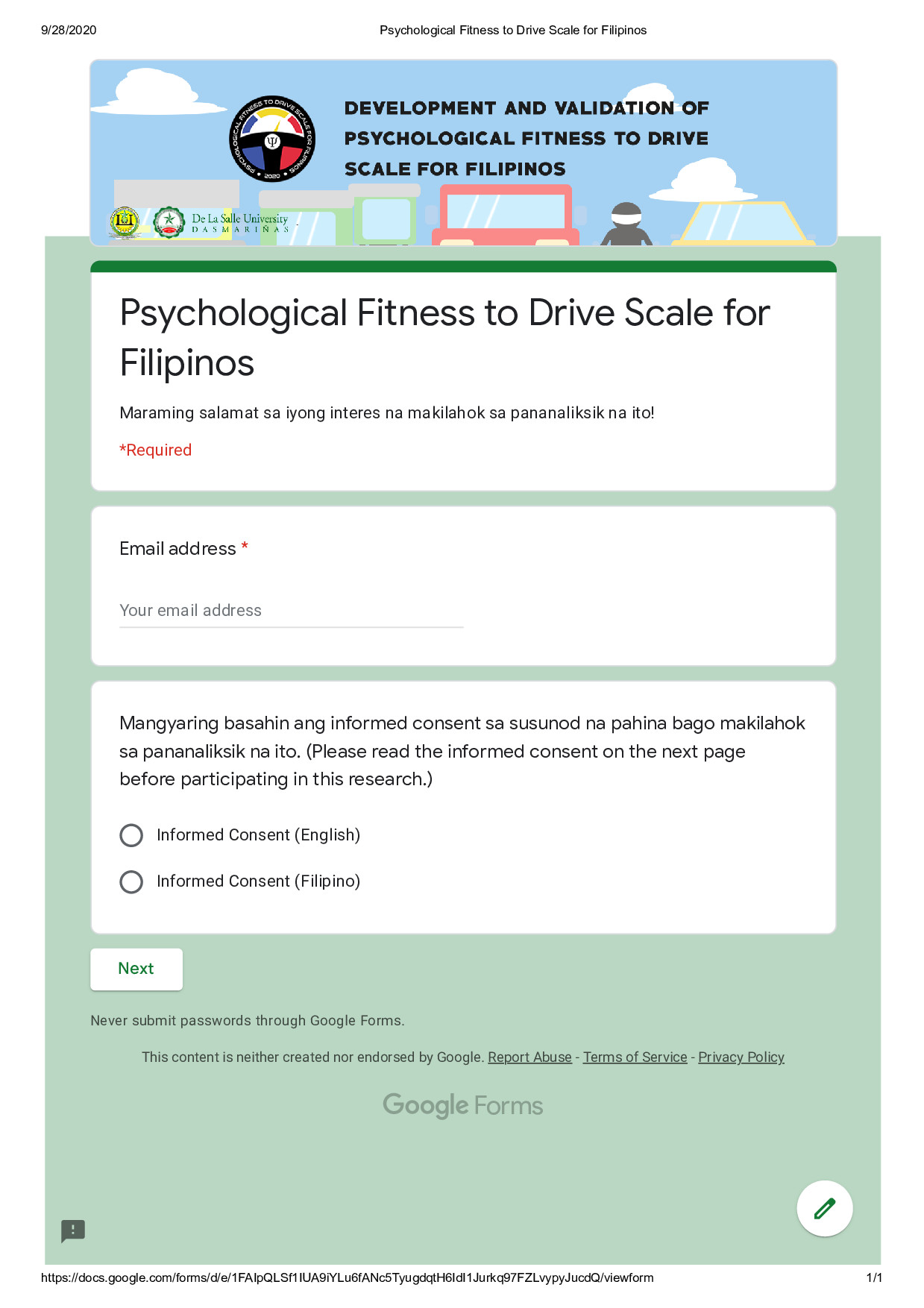
|  |  |  |  |
| --- | --- | --- | --- |
| **Fit Measure** |  | |  |
| **Good Fit** | **Acceptable Fit** | **Source** |
| *p* Value | .05 ≤ *p* 1.00 | .01 ≤ *p* ≤ .05 |  |
| /*df* | 0 ≤ / *df* ≤ 2  0 ≤ / *df* ≤ 2 | 2 < / *df* ≤ 3  2≤ / *df* ≤ 5 | Gefen etal;(2000);  Hocevar (1985);  Mckenly et al (2002) |
| RMSEA | 0 ≤ RMSEA ≤ .05 | .05 < RMSEA ≤ .08 | Browne & Cudeck (1993) |
| SRMR | 0 ≤ SRMR ≤ .05 | .05 < SRMR ≤ .10 | Arbucle (2005) |
| RMR | 0 ≤ RMR ≤ .04 | .04 < RMR ≤ .08 | Arbucle (2005) |
| GFI | .95 ≤ GFI ≤ 1.00 | .90 ≤ GFI < .95 | Hoyle (1995) |
| CFI  NFI  NNFI  AGFI  TLI  IFI | .97 ≤ CFI ≤ 1.00  .95 ≤ NFI ≤ 1.00  .95 ≤ NNFI ≤ 1.00  .90 ≤ AGFI ≤ 1.00  .95 ≤ TLI ≤ 1.00  .95 ≤ IFI ≤ 1.00 | .95 ≤ CFI < .97  .90 ≤ CFI <.95  .90 ≤ NNFI <.95  .80 ≤ AGFI <.90  .90 ≤ TLI <.95  .90 ≤ IFI <.95 | Bagozzi & Ye (1988)  Hair et al. (1998)  Hair et al. (1998)  Chau & Hu (2001)  Bagozzi & Ye (1988)  Hu & Bentler (1995) |

**Note:** **AGFI**=Adjusted Goodness of Fit Index, **CFI**=Comparative Fit Index, **GFI**=Goodness of Fit, **NFI**=Normed Fit Index, **NNFI**=Non-Normed Fit Index, **RMSEA**=Root Mean Square Error Approximation, **SRMR**=Standardized Root Mean Square Residual, **IFI**=Incremental Fit Index, **TLI**=Tuker-Lewis Index

**Factor Names and Items (sample Items)**

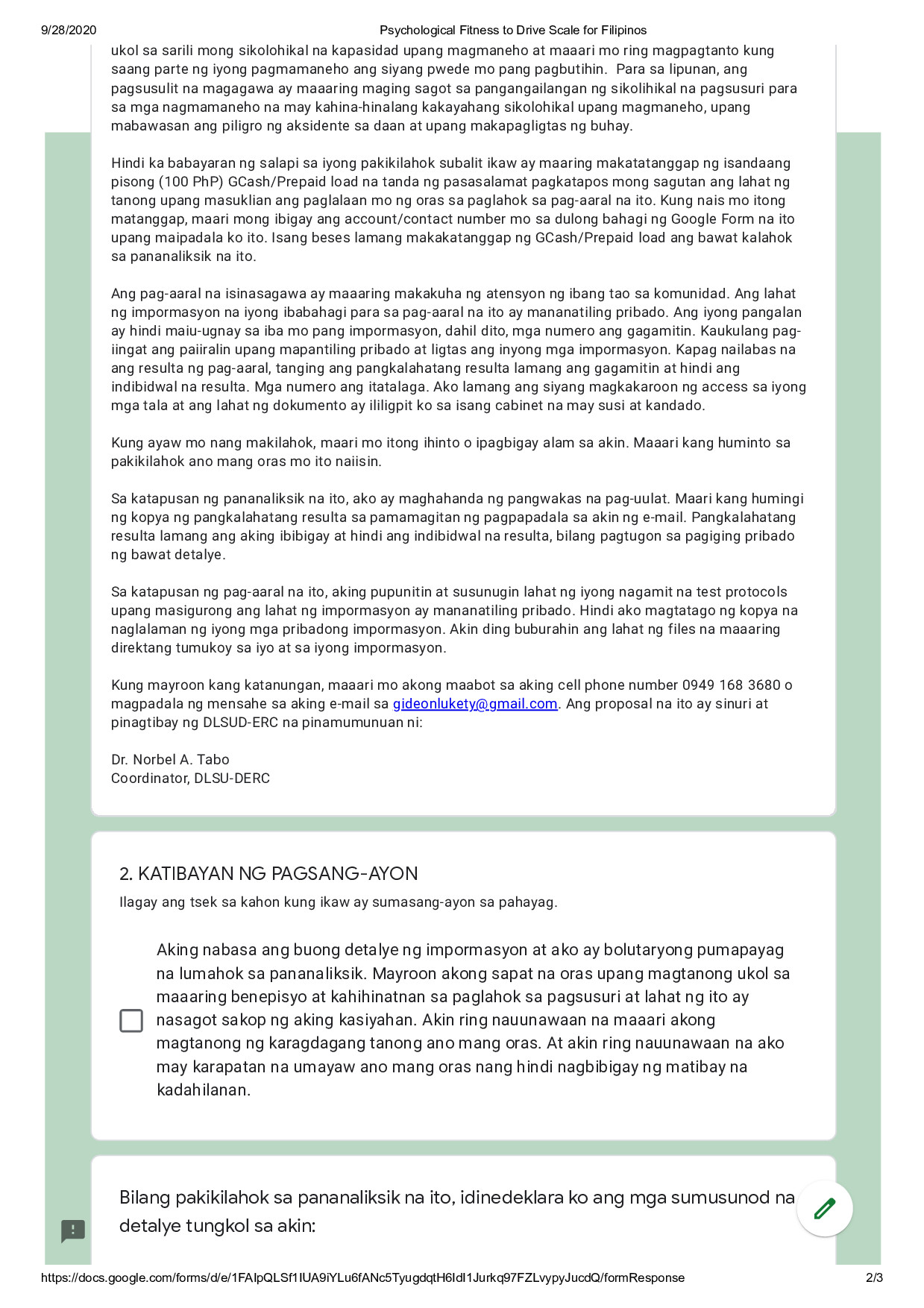
|  |  |  |  |
| --- | --- | --- | --- |
|  | **Pattern Matrixa** | | |
| Factor |  | Component | |
| 1 | 2 |
| Risky  Driving  Behavior | 86. Naiinip ako kapag masyadong mabagal tumawid sa kalsada ang isang pedestrian. (I find myself getting impatient when a pedestrian crosses the road very slowly.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) | .692 |  |
|  | 73. Nakakalimutan kong i-handbrake ang aking sasakyan pagkatapos itong iparada. (I forget to notch the handbrake of my vehicle after parking.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) | .679 |  |
|  | 4. Nakalilimutan kong dalhin ang aking lisensiya sa pagmamaneho. (I forget to bring my driving license.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) | .677 |  |
|  | 11. Tila gusto kong singitan o i-cut ang iba pang mga mas maliliit na sasakyan sa kalsada. (I feel like cutting off other smaller vehicles on the road.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) | .676 |  |
|  | 90. Pinipili ko pa ring magmaneho kahit sira ang speedometer ng aking sasakyan. (I still choose to drive even if the speedometer is broken.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) | .672 |  |
|  | 120. Dumadaan ako sa shoulder lane upang madaling makalusot sa trapiko. (I use the shoulder lane to make it easier for me to pass through traffic.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) | .669 |  |
|  | 100. Natutukso akong makipagkarera sa ibang mga drayber sa kalsada. (I feel tempted to race with other drivers on the road.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) | .667 |  |
|  | 145. Kahit na kakailaw lang ng pula ng traffic light, tinatawid ko pa rin ang interseksiyon. (Even when the traffic light just turned red, I take the risk of crossing the intersection.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) | .662 |  |
| Responsible and Safe Mobility | 49. Mahigpit akong sumusunod sa iskedyul ng number coding sa mga lungsod na aking dinaraanan. (I strictly comply with the number coding schedule in the cities I am passing through.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) |  | .629 |
|  | 59. Nakaugalian kong obserbahan ang kilos ng mga pedestrian upang malaman ko kung sila ay tatawid sa kalsada o hindi. (It has been a habit for me to observe the gestures of pedestrians to understand their intent to cross the road.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) |  | .627 |
|  | 37. Pinahahalagahan ko ang mga komento ng ibang tao sa paraan ng aking pagmamaneho. (I appreciate other people’s comment about the way I drive.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) |  | .625 |
|  | 71. Dala ko ang mga importanteng kagamitan ng aking sasakyan kapag ako ay nagmamaneho. (I have my important vehicle tools with me when I am driving.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) |  | .620 |
|  | 97. Sinisiguro kong mayroong regular na maintenance ang aking sasakyan. (I make sure that my vehicle gets regular maintenance.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) |  | .612 |
|  | 95. Nakagawian kong nang itsek ang preno ng aking sasakyan bago ako magmaneho. (It is my habit to check my vehicle brake before driving.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) |  | .612 |
|  | 23. Pinakikiramdaman ko kung maayos ang aking kondisyon bago ako magmaneho. (I check on myself whether I am in a healthy condition before I drive.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) |  | .611 |
|  | 122. Alerto ako sa mga sasakyang maaaring biglang sumulpot sa dinadaanan ko. (I am vigilant of other vehicles that may suddenly appear on my way.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) |  | .610 |
|  | 39. Nakaugalian ko na ang pagmemenor sa tuwing nakakakita ako ng pedestrian lane. (Reducing speed whenever I see a pedestrian lane has been a habit for me.)  a. Totoo (True)  b. ?  c. Hindi totoo (False) |  | .539 |
|  | Extraction Method: Principal Component Analysis.   Rotation Method: Oblimin with Kaiser Normalization. | | |
|  | a. Rotation converged in 3 iterations. | | |

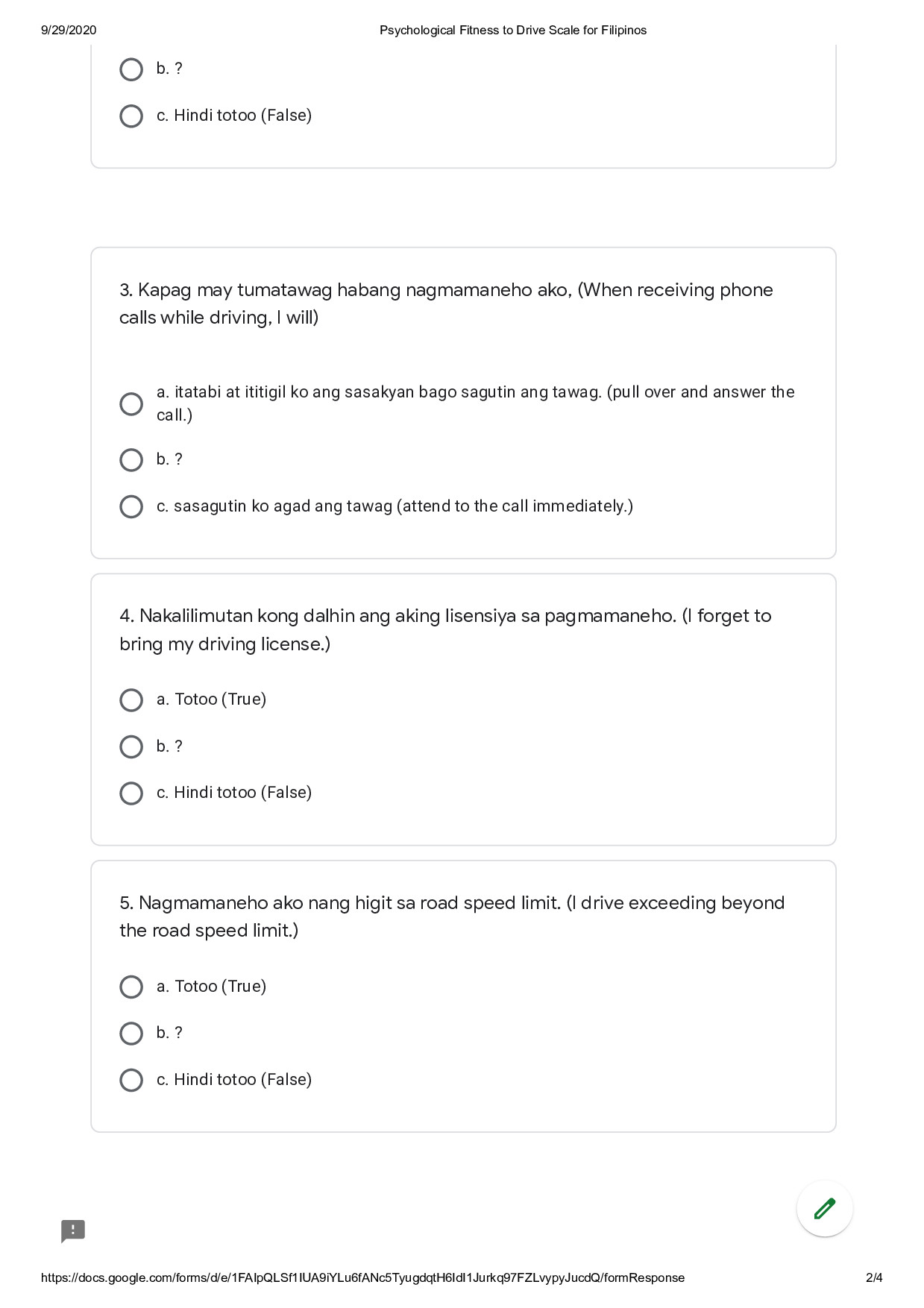
Appendix K: Google Form (Online)

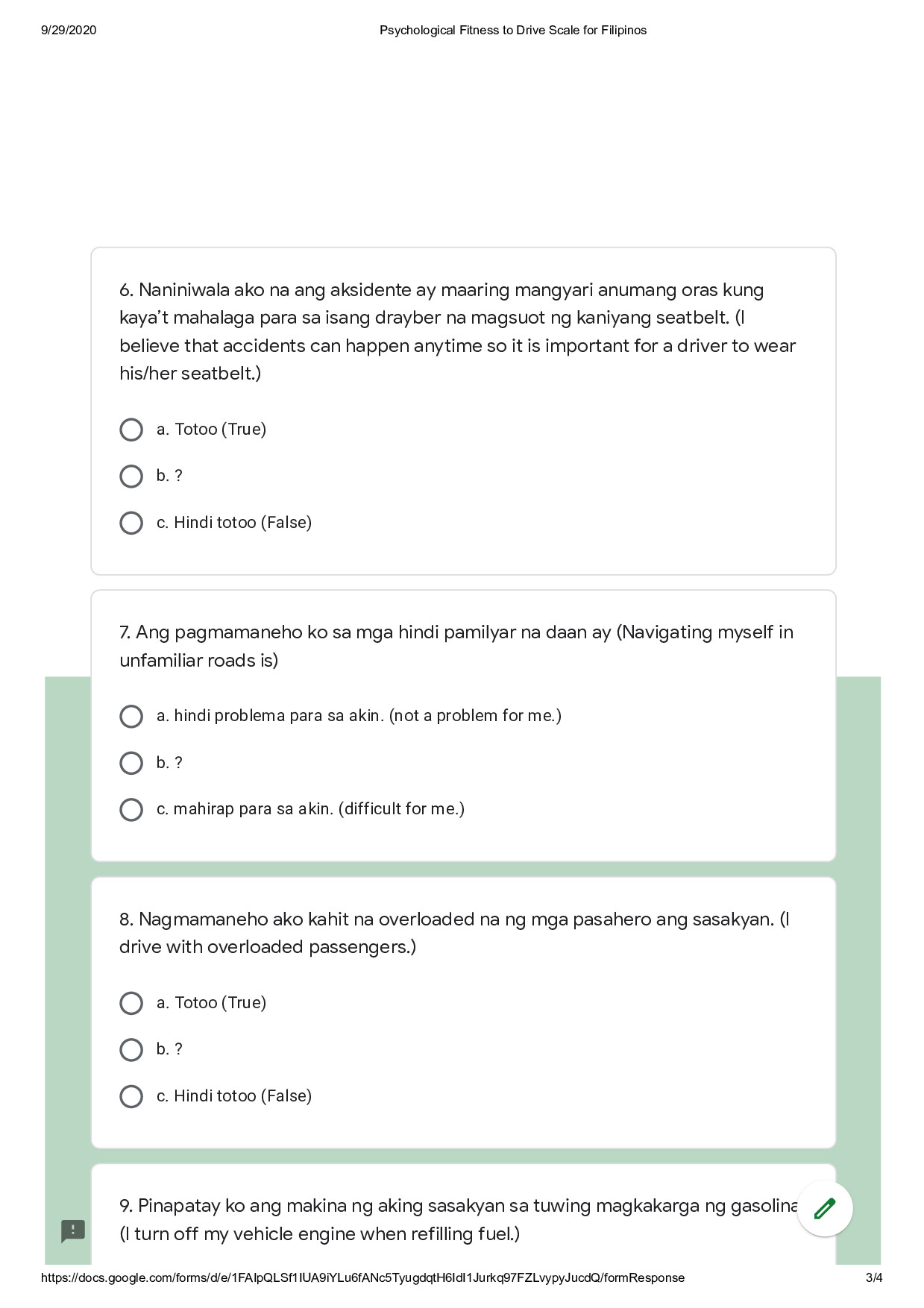


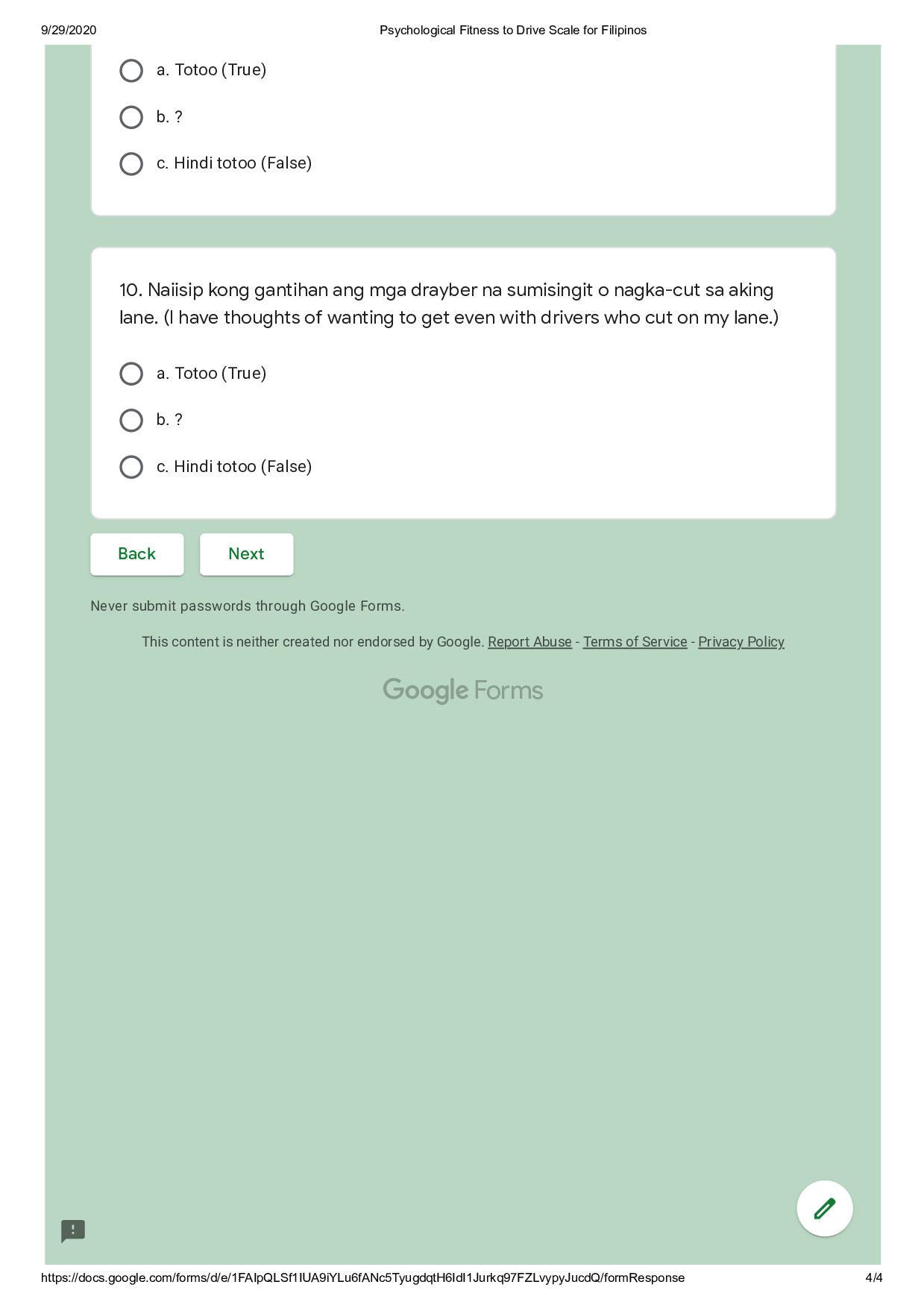


i









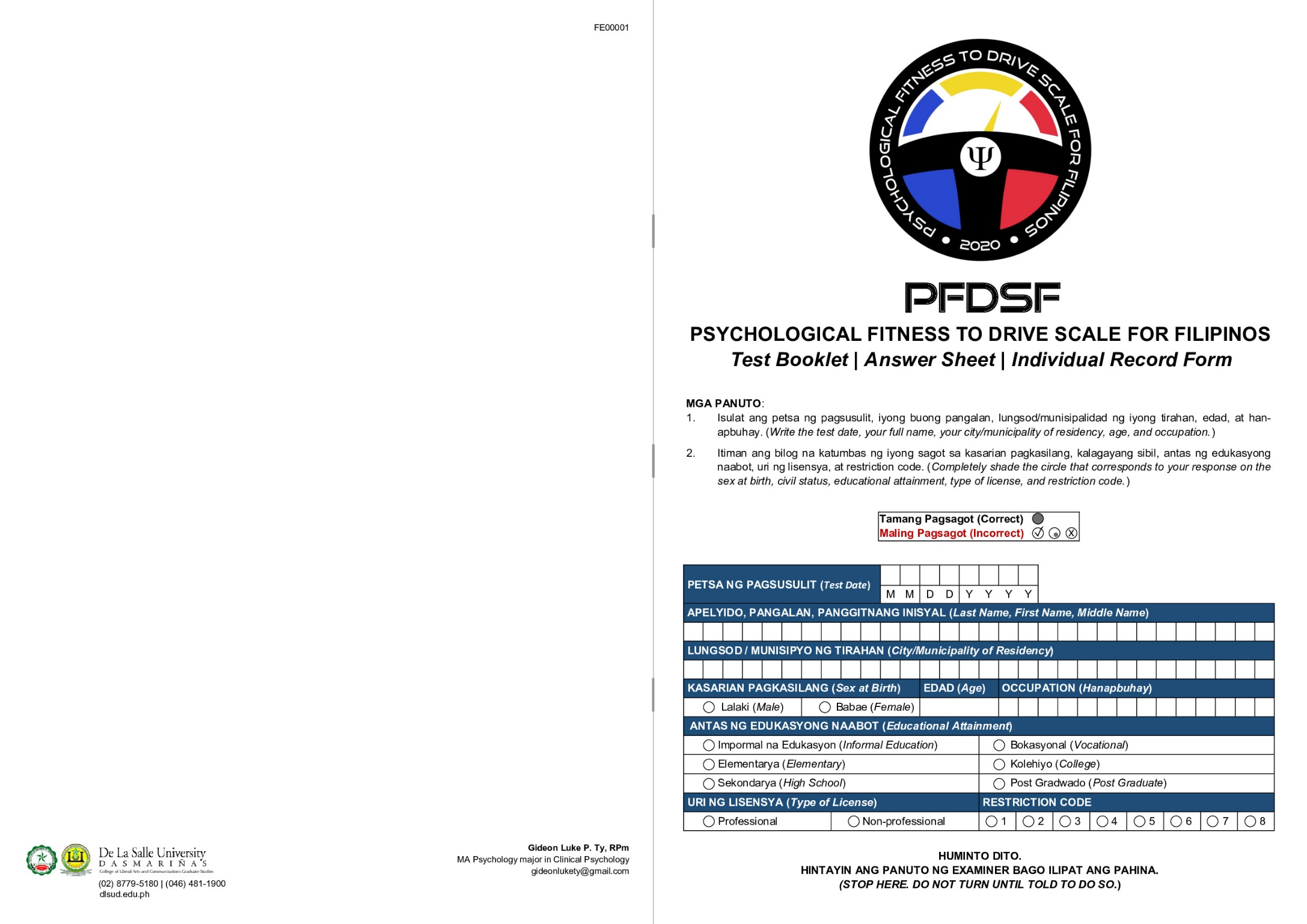
Appendix L: Pilot Testing Participants’ Agreement to Informed Consent (Sample)

|  |  |  |
| --- | --- | --- |
| **Date** | **Code** | **Informed Consent Read and Signed** |
| 05/26/2020 | IE-001 | English |
| 05/27/2020 | IE-002 | English |
| 05/26/2020 | IE-003 | English |
| 05/26/2020 | IE-004 | English |
| 05/26/2020 | IE-005 | English |
| 05/26/2020 | IE-006 | English |
| 06/01/2020 | IE-007 | English |
| 05/28/2020 | IE-008 | English |
| 05/27/2020 | IE-009 | English |
| 06/02/2020 | IE-010 | English |
| 05/31/2020 | IE-011 | English |
| 05/27/2020 | IE-012 | English |
| 05/29/2020 | IE-013 | English |
| 05/28/2020 | IE-014 | English |
| 06/12/2020 | IE-015 | English |
| 06/16/2020 | IE-016 | English |
| 06/06/2020 | IE-017 | English |
| 06/16/2020 | IE-018 | English |
| 06/05/2020 | IE-019 | English |
| 05/28/2020 | IE-020 | English |
| 05/27/2020 | IE-021 | English |
| 05/27/2020 | IE-022 | English |
| 05/29/2020 | IE-023 | English |
| 05/29/2020 | IE-024 | English |
| 05/29/2020 | IE-025 | English |
| 05/29/2020 | IE-026 | English |
| 05/29/2020 | IE-027 | English |
| 06/02/2020 | IE-028 | English |
| 06/03/2020 | IE-029 | English |
| 06/03/2020 | IE-030 | English |
| 06/08/2020 | IE-031 | English |
| 06/03/2020 | IE-032 | English |
| 06/09/2020 | IE-033 | English |
| 06/03/2020 | IE-034 | English |
| 06/05/2020 | IE-035 | English |
| 06/02/2020 | IE-036 | English |
| 06/03/2020 | IE-037 | English |
| 06/03/2020 | IE-038 | English |
| 06/02/2020 | IE-039 | English |
| 06/02/2020 | IE-040 | English |

Appendix M: Field Testing Participants’ Agreement to Informed Consent

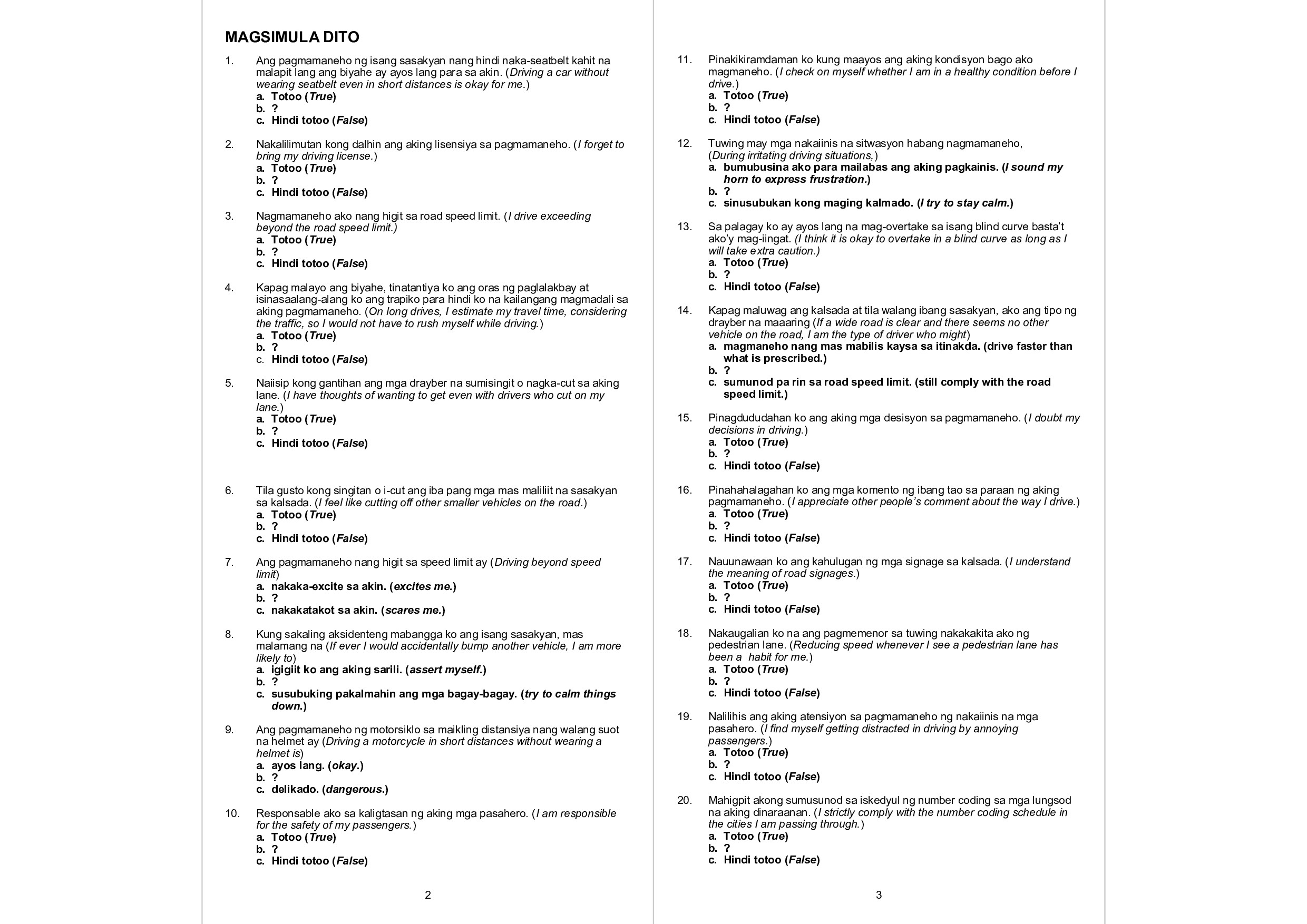
|  |  |  |
| --- | --- | --- |
| **Timestamp in Google Sheets** | **Code** | **Informed Consent Read and Answered** |
| 8/19/2020 16:50:21 | FT-001 | Informed Consent (Filipino) |
| 8/19/2020 16:59:45 | FT-002 | Informed Consent (Filipino) |
| 8/19/2020 17:10:58 | FT-003 | Informed Consent (Filipino) |
| 8/19/2020 17:11:15 | FT-004 | Informed Consent (Filipino) |
| 8/19/2020 17:42:01 | FT-005 | Informed Consent (English) |
| 8/19/2020 17:42:38 | FT-006 | Informed Consent (Filipino) |
| 8/19/2020 17:50:51 | FT-007 | Informed Consent (English) |
| 8/19/2020 17:51:10 | FT-008 | Informed Consent (English) |
| 8/19/2020 17:55:54 | FT-009 | Informed Consent (English) |
| 8/19/2020 17:56:02 | FT-010 | Informed Consent (Filipino) |
| 8/19/2020 19:28:11 | FT-011 | Informed Consent (English) |
| 8/19/2020 19:28:15 | FT-012 | Informed Consent (English) |
| 8/19/2020 19:45:10 | FT-013 | Informed Consent (Filipino) |
| 8/19/2020 20:24:46 | FT-014 | Informed Consent (English) |
| 8/19/2020 20:25:44 | FT-015 | Informed Consent (Filipino) |
| 8/19/2020 20:26:48 | FT-016 | Informed Consent (Filipino) |
| 8/19/2020 20:29:43 | FT-017 | Informed Consent (English) |
| 8/19/2020 20:47:20 | FT-018 | Informed Consent (Filipino) |
| 8/19/2020 21:03:28 | FT-019 | Informed Consent (Filipino) |
| 8/19/2020 21:04:22 | FT-020 | Informed Consent (English) |
| 8/22/2020 11:57:58 | FT-435 | Informed Consent (Filipino) |
| 8/22/2020 12:00:54 | FT-436 | Informed Consent (English) |
| 8/22/2020 12:01:19 | FT-437 | Informed Consent (Filipino) |
| 8/22/2020 12:02:10 | FT-438 | Informed Consent (Filipino) |
| 8/22/2020 12:03:29 | FT-439 | Informed Consent (English) |
| 8/22/2020 12:03:37 | FT-440 | Informed Consent (English) |
| 8/22/2020 12:05:24 | FT-441 | Informed Consent (Filipino) |
| 8/22/2020 12:08:34 | FT-442 | Informed Consent (English) |
| 8/22/2020 12:09:03 | FT-443 | Informed Consent (Filipino) |
| 8/22/2020 12:12:01 | FT-444 | Informed Consent (Filipino) |
| 8/22/2020 12:16:44 | FT-445 | Informed Consent (Filipino) |
| 8/22/2020 12:17:46 | FT-446 | Informed Consent (Filipino) |
| 8/22/2020 12:17:54 | FT-447 | Informed Consent (Filipino) |
| 8/22/2020 12:21:48 | FT-448 | Informed Consent (English) |
| 8/22/2020 12:22:27 | FT-449 | Informed Consent (English) |
| 8/22/2020 12:24:41 | FT-450 | Informed Consent (Filipino) |
| 8/22/2020 12:26:55 | FT-451 | Informed Consent (Filipino) |
| 8/22/2020 12:28:59 | FT-452 | Informed Consent (Filipino) |
| 8/22/2020 12:30:08 | FT-453 | Informed Consent (Filipino) |
| 8/22/2020 12:30:38 | FT-454 | Informed Consent (Filipino) |
| 8/22/2020 12:33:20 | FT-455 | Informed Consent (Filipino) |
| 8/22/2020 12:34:20 | FT-456 | Informed Consent (Filipino) |
| 8/22/2020 12:34:24 | FT-457 | Informed Consent (Filipino) |
| 8/22/2020 12:39:36 | FT-458 | Informed Consent (Filipino) |
| 8/22/2020 12:43:02 | FT-459 | Informed Consent (Filipino) |
| 8/22/2020 12:45:00 | FT-460 | Informed Consent (Filipino) |
| 8/22/2020 12:45:31 | FT-461 | Informed Consent (Filipino) |
| 8/22/2020 12:45:38 | FT-462 | Informed Consent (English) |
| 8/22/2020 12:46:09 | FT-463 | Informed Consent (Filipino) |

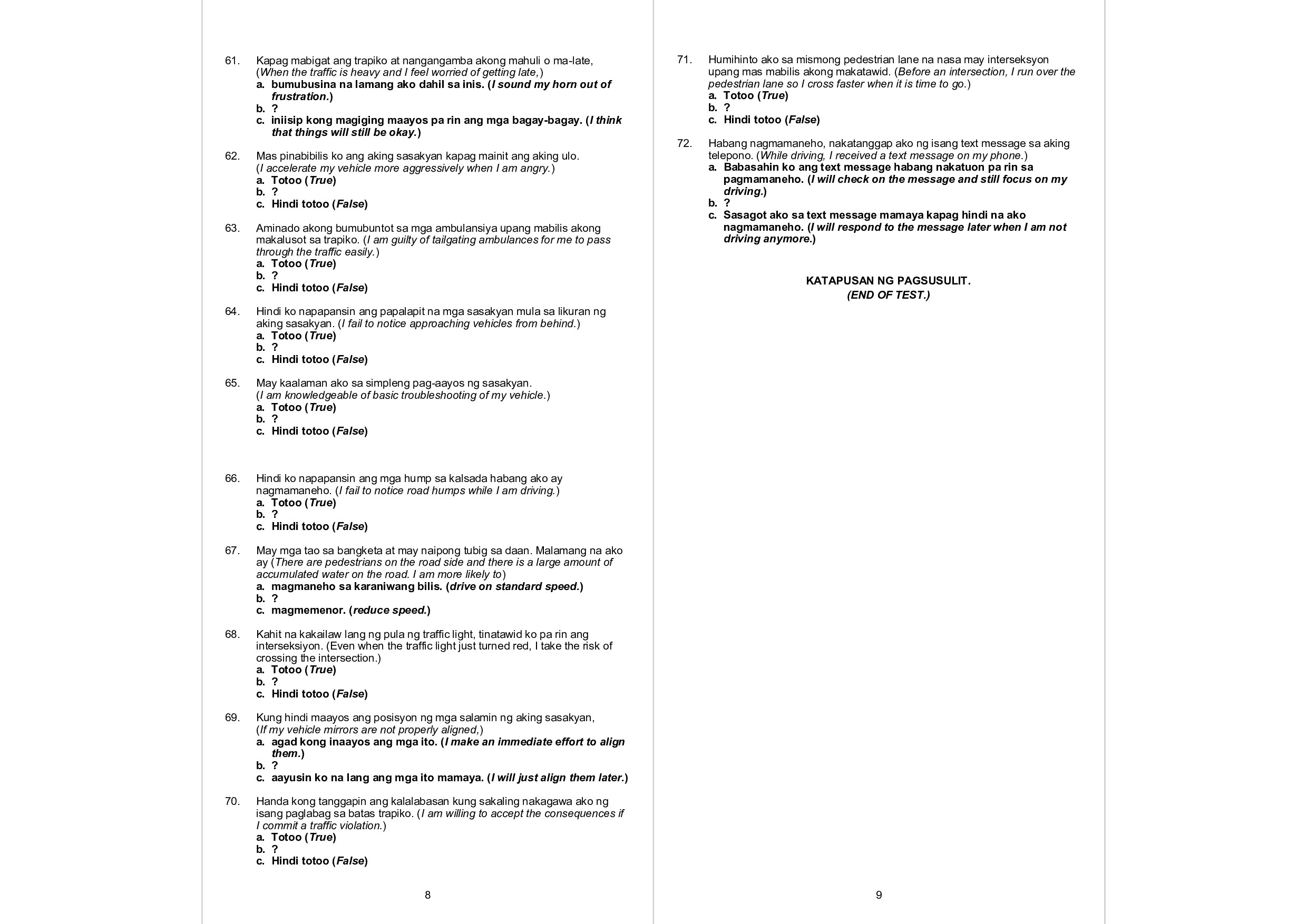
Appendix N: PFDSF Test Booklet, Answer Sheet, and Individual Record Form

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**Text

Description automatically generated**

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**A picture containing graphical user interface

Description automatically generated**

Appendix O: PFDSF Test Manual

Graphical user interface, application

Description automatically generated

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Note: To get the details of the **PFDSF**, kindly contact Mr. Gideon Luke P. Ty, MAPsy, RPsy, RPm (at [gideonlukety@gmail.com](mailto:gideonlukety@gmail.com))

A picture containing table

Description automatically generated