APPENDIX A DRIVER CULPABILITY AND DRIVER RECORDS: ANALYSES EXCLUDING MOTORCYCLE RIDERS

Table A.1

Driver/rider status by driver culpability

| | Culpable | Culpable (N=182) | | ble (N=206) |
|------------------|----------|------------------|-----|-------------|
| Driver/rider | N | % | N | % |
| Driver | 166 | 47.2 | 186 | 52.8 |
| Motorcycle rider | 16 | 44.4 | 20 | 55.6 |

Note: $\chi^2(1)=0.10$, p=.756).

Table A.2

Percentage of drivers (excluding 36 motorcycle riders) detected for at least one of the listed incidents during the five years prior to multiple vehicle fatal crash involvement by driver culpability in the fatal crash

| Type of prior incident | Culpable (%) (<i>n</i> =166) | Non-culpable (%) (n=186) | χ² | <i>p</i> -value | Odds ratio | 95% Confidence interval |
|---------------------------|-------------------------------|--------------------------|------|-----------------|---------------|-------------------------------|
| Crashes | 30.1 | 26.9 | 0.45 | 0.501 | 1.17 | 0.74-1.86 |
| Culpable crashes | 21.1 | 15.1 | 2.17 | 0.141 | 1.51 | 0.87-2.61 |
| Traffic offences | 39.2 | 39.8 | 0.01 | 0.904 | 0.97 | 0.64-1.50 |
| Drink driving offences | 5.4 | 2.2 | 2.64 | 0.104 | 2.61 | 0.79-8.63 |
| Speeding offences | 31.9 | 30.6 | 0.07 | 0.796 | 1.06 | 0.68-1.67 |
| Careless driving offences | 5.4 | 3.8 | 0.56 | 0.456 | 1.47 | 0.53-4.03 |
| Seat belt/helmet offences | 7.2 | 5.9 | 0.25 | 0.618 | 1.24 | 0.53-2.89 |
| Licence disqualifications | 13.3 | 7.5 | 3.13 | 0.077 | 1.88 | 0.93-3.80 |

APPENDIX B PRIOR CRASH AND TRAFFIC OFFENCE TABLES FOR DRIVERS INVFOLVED IN A MULTIPLE VEHICLE FATAL CRASH

Complete tables for the number of prior crashes and traffic offences for drivers involved in a multiple vehicle fatal crash by driver culpability in the fatal crash.

Table B.1

Total number of crashes for drivers during the five years prior to the multiple vehicle fatal crash, by driver culpability in the fatal crash

| | Cul | Culpable | | |
|---------|-----|----------|-----|-------|
| Crashes | N | % | N | % |
| None | 127 | 69.8 | 149 | 72.3 |
| 1 | 43 | 23.6 | 44 | 21.4 |
| 2 | 10 | 5.5 | 11 | 5.3 |
| 3 | 1 | 0.5 | 0 | 0.0 |
| 4 | 1 | 0.5 | 2 | 1.0 |
| Total | 182 | 100.0 | 206 | 100.0 |

Table B.2

Total number of culpable crashes for drivers during the five years prior to the multiple vehicle fatal crash, by driver culpability in the fatal crash

| | Cu | lpable | Non- | culpable |
|------------------|-----|--------|------|----------|
| Culpable crashes | N | % | N | % |
| | | | | |
| None | 144 | 79.1 | 172 | 83.5 |
| 1 | 33 | 18.1 | 28 | 13.6 |
| 2 | 5 | 2.7 | 6 | 2.9 |
| Total | 182 | 100.0 | 206 | 100.0 |

Table B.3

Total number of offences for drivers during the five years prior to the multiple vehicle fatal crash, by driver culpability in the fatal crash

| | C | Non | -culpable | |
|----------------|-----|-------|-----------|-------|
| Total offences | N | % | N | % |
| None | 107 | 58.2 | 119 | 57.8 |
| 1 | 26 | 14.3 | 46 | 22.3 |
| 2 | 16 | 8.8 | 19 | 9.2 |
| 3 | 14 | 7.7 | 9 | 4.4 |
| 4 | 10 | 5.5 | 2 | 1.0 |
| 5 | 4 | 2.2 | 6 | 2.9 |
| 6 | 2 | 1.1 | 4 | 1.9 |
| 7 | 1 | 0.5 | 1 | 0.5 |
| 8 | 0 | 0.0 | 0 | 0.0 |
| 9 | 0 | 0.0 | 0 | 0.0 |
| 10 | 1 | 0.5 | 0 | 0.0 |
| 11 | 1 | 0.5 | 0 | 0.0 |
| Total | 182 | 100.0 | 206 | 100.0 |

Table B.4

Total number of drink driving offences for drivers during the five years prior to the multiple vehicle fatal crash, by driver culpability in the fatal crash

| | | Culpable | Non-culpable | | |
|------------------------|-----|----------|--------------|-------|--|
| Drink driving offences | N | % | N | % | |
| None | 172 | 94.5 | 202 | 98.1 | |
| 1 | 9 | 4.9 | 4 | 1.9 | |
| 2 | 1 | 0.5 | 0 | 0.0 | |
| Total | 182 | 100.0 | 206 | 100.0 | |

Table B.5

Total number of speeding offences for drivers during the five years prior to the multiple vehicle fatal crash, by driver culpability in the fatal crash

| | (| Culpable | | n-culpable |
|-------------------|-----|----------|-----|------------|
| Speeding offences | N | % | N | % |
| \ | 122 | (7.6 | 127 | 66.0 |
| None | 123 | 67.6 | 136 | 66.0 |
| 1 | 27 | 14.8 | 40 | 19.4 |
| 2 | 15 | 8.2 | 15 | 7.3 |
| 3 | 9 | 4.9 | 8 | 3.9 |
| 4 | 4 | 2.2 | 5 | 2.4 |
| 5 | 1 | 0.5 | 1 | 0.5 |
| 6 | 2 | 1.1 | 0 | 0.0 |
| 7 | 0 | 0.0 | 1 | 0.5 |
| 8 | 0 | 0.0 | 0 | 0.0 |
| 9 | 0 | 0.0 | 0 | 0.0 |
| 10 | 1 | 0.5 | 0 | 0.0 |
| Total | 182 | 100.0 | 206 | 100.0 |

Table B.6

Total number of careless driving offences for drivers during the five years prior to the multiple vehicle fatal crash, by driver culpability in the fatal crash

| Cu | Non- | culpable | |
|-----|---------------|--|--|
| N | % | N | % |
| 171 | 94.0 | 194 | 94.2 |
| 5 | 2.7 | 10 | 4.9 |
| 3 | 1.6 | 1 | 0.5 |
| 2 | 1.1 | 1 | 0.5 |
| 1 | 0.5 | 0 | 0.0 |
| 182 | 100.0 | 206 | 100.0 |
| | N 171 5 3 2 1 | 171 94.0 5 2.7 3 1.6 2 1.1 1 0.5 | N % N 171 94.0 194 5 2.7 10 3 1.6 1 2 1.1 1 1 0.5 0 |

Table B.7

Total number of seat belt/helmet offences for drivers during the five years prior to the multiple vehicle fatal crash, by driver culpability in the fatal crash

| | Cul | Non-culpable | | |
|---------------------------|-----|--------------|-----|-------|
| Seat belt/helmet offences | N | % | N | % |
| None | 166 | 91.2 | 193 | 93.7 |
| 1 | 16 | 8.8 | 11 | 5.3 |
| 2 | 0 | 0.0 | 2 | 1.0 |
| Total | 182 | 100.0 | 206 | 100.0 |

Table B.8

Number of licence disqualifications for drivers during the five years prior to the multiple vehicle fatal crash, by driver culpability in the fatal crash

| | Culpable | | Non-c | culpable |
|---------------------------|----------|-------|-------|----------|
| Licence disqualifications | N | % | N | % |
| | 157 | 86.3 | 184 | 89.3 |
| None | | | | |
| 1 | 16 | 8.8 | 10 | 4.9 |
| 2 | 5 | 2.7 | 6 | 2.9 |
| 3 | 2 | 1.1 | 2 | 1.0 |
| 4 | 0 | 0.0 | 2 | 1.0 |
| 5 | 2 | 1.1 | 0 | 0.0 |
| 6 | 0 | 0.0 | 2 | 1.0 |
| Total | 182 | 100.0 | 206 | 100.0 |

APPENDIX C STUDENT INFORMATION SHEET, CONSENT FORM, AND QUESTIONNAIRE

Young Drivers: Personality and Risky Driving

INFORMATION FOR PARTICIPANTS

My name is Lisa Wundersitz and I am a PhD Student in the Department of Psychology at the University of Adelaide. My supervisors are Dr Nick Burns (Department of Psychology, The University of Adelaide), Dr Michael White (Transport SA) and Professor Jack McLean (Centre for Automotive Safety Research, The University of Adelaide).

Your participation is voluntary. I ask all participants to give informed consent via the standard consent form. Please return the consent form to the box labelled 'Young Driver Study' in the Psychology Department office. Participants can choose to discontinue their involvement at any stage.

The Study

Young drivers tend to be over-represented in crashes. The purpose of this study is to determine which personality characteristics and motivations define young drivers at a higher risk of crashing and how these individual differences, if any, relate to driving behaviour. This study may assist in the development of new road safety intervention strategies for young drivers.

I am seeking young drivers who hold a current South Australian provisional licence (P-plates) to participate in this study. You are invited to fill in an internet based questionnaire that will require approximately 30 minutes of your time. The questionnaire can be accessed easily through the Psychology Department website by selecting 'Teaching Material', 'Practicals' and then clicking on the link 'Young Driver Survey'. You may need to know your Psychology User ID and Password. The questionnaire may be completed in your own time. It is important that you record your student number in the questionnaire and on the consent form so as to receive course credit for research participation (one hour). Your student number will then be separated from the results to ensure your individual responses cannot be identified.

Driver behaviour may be reflected in driving records. I would also like participants to provide their driver's licence number, so that I can follow driving records over a 12-month period. Participant's driving records will not be individually identifiable and will not be disclosed to anyone. If you do not wish to volunteer this information, you may still participate in the study.

Confidentiality

Participants are assured that they will not be individually identified in any report on this study. Furthermore, your responses on any questions you complete will not be disclosed.

Provision of Feedback to Participants

At the completion of the study, a written report will be provided to all participants detailing the main findings of the study.

If you have any further queries, please contact:

Lisa Wundersitz (PhD student, Department of Psychology)

e-mail: lisa@casr.adelaide.edu.au

Dr Nick Burns (Principal Supervisor, Department of Psychology)

Dr Paul Delfabbro (Acting Convenor, Human Ethics Subcommittee)

(08) 8303 6298

e-mail: lisa@casr.adelaide.edu.au

(08) 8303 5693

(08) 8303 5693

DEPARTMENT OF PSYCHOLOGY UNIVERSITY OF ADELAIDE

CONSENT FORM

| | Student Ide | entification Number: |
|-------|--|--|
| 1. | I, | (please print name) |
| | consent to take part in the research project entitled: | |
| | "High Risk Young Drivers: The Relationship Between Peand Crash Involvement" | ersonality, Experience, Risky Driving |
| 2. | The nature of the project has been explained to me, and I have been given. I acknowledge that I have read the that I should retain a copy. | |
| 3. | I have been informed that, while information gained duridentified and my personal results will be strictly confident | |
| 4. | I understand that I am free to withdraw from the proje adverse effects of these questionnaires or procedures. | ct at any time and that there are no known |
| 5. | I understand that this project is for the purpose of resear | rch or teaching, and not for treatment. |
| | | |
| | (signature) | (date) |
| | | |
| RELEA | ASE OF DRIVER RECORDS | |
| | I, | (name of participant) |
| | | (driver licence number) |
| | give authority to Registration and Licensing, Transport crash records, if any, to Lisa Wundersitz of the Universit | |
| | | |
| | (signature) | (date) |

UNIVERSITY OF ADELAIDE

YOUNG DRIVER SURVEY

This study examines personality and risky driving. Remember that you must hold a current South Australian provisional licence (P-plates) to participate. We need to start by asking you some questions about your personal details. Please answer all questions honestly. Remember that any information you provide will remain strictly confidential and will only be used for this study, or subsequent teaching and research after the removal of any identifying information. Thank you for taking the time to complete this survey.

| Please enter your student identification number. |
|--|
| 2. Enter your age (in whole years as from last birthday). |
| 3. What is your gender? |
| O Male |
| ○ Female |
| 4. What is your current marital status? |
| O Single (never married) |
| O Defacto |
| O Married |
| O Separated or divorced |
| ○ Widowed |
| 5. Enter the post code of your main residency (4 digits). |
| 6. At what age did you first obtain your Learners Permit (L-Plates)? |
| O 16 years |
| O 16.5 years |
| O 17 years |
| ① 17.5 years |
| O 18 years |
| O 18.5 years |
| ○ 19 years or older |
| 7. At what age did you first obtain your Provisional Licence (P-Plates)? |
| O 16.5 years |
| O 17 years |
| 17.5 years |
| O 18 years |
| ◯ 18.5 years |
| O 19 years |
| ⊕ 19.5 years or older |
| 8. What method did you use to successfully get your provisional licence? |
| O Log book |
| O Driving test |

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| ~ | | | | | | | | 21/8/2003 9:5 | MA e |
|--------|--|------------------|------------------|------------------|-----------------|----------------|------------------|---------------|------|
| 9. | How many kilometres | have you DRIN | VEN in the las | t week? (Plea | se work back | from yesterda | y for a 7 day w | reek) | 11.2 |
| | | Mon | Tues | Wed | Thurs | Fri | Sat | Sun | |
| | Day 6am-7pm | | | | | | | | |
| | Night 7pm-6am | | | | | | | | |
| 10. | How much time (in min week) | nutes) have yo | u spent DRIV | ING in the las | st week? (Pleas | se work back | from yesterday | for a 7 day | |
| | | Mon | Tues | Wed | Thurs | Fri | Sat | Sun | |
| | Day 6am-7pm | | | | | | | | |
| | Night 7pm-6am | | | | | | | | |
| pellel | e read each item below on s or behaviour; select the viour. If you are unsure, p | e raise button | below the ite | m if the state | ment is not cha | ractorietic or | true of your hal | info | |
| 11. | I often wish I could be a | a mountain clin | nber | | | | | | |
| | O True | | | | | | | | |
| | O False | | | | | | | | |
| | | | | | | | | | |
| 12. | If somebody hits me firs | t, I let them ha | ve it | | | | | | |
| | O True | | | | | | | | |
| | O False | | | | | | | | |
| 12 | I am always patient with | others | | | | | | | |
| 13. | O True | i otilora | | | | | | | |
| | O False | | | | | | | | |
| | o i alse | | | | | | | | |
| 14. | Without the right luck, or | ne cannot be a | n effective lea | der | | | | | |
| | O True | | | | | | | | |
| | O False | | | | | | | | |
| | | | | | | | | | |
| 15. | If someone doesn't treat | me right, I do | n't let it annoy | me | | | | | |
| | O True | | | | | | | | |
| | O False | | | | | | | | |
| 16. | I would call myself a ten | se or 'hiahly s | truna' nerson | | | | | | |
| | O True | or mgmy o | arang person | | | | | | |
| | O False | | | | | | | | |
| | | | | | | | | | |
| 17. | Even if I had the money | I would not ca | re to associate | e with flighty r | ich people | | | | |
| | O True | | | | | | | | |
| | O False | | | | | | | | |
| | | | | | | | | | |
| 18. | I sometimes pout when | I don't get my | own way | | | | | | |
| | O True | | | | | | | | |
| | O False | | | | | | | | |
| 10 | Since the age of ten, I ha | ave never had | a tomper test | r. 100 | | | | | |
| 10. | O True | ave never nau | a temper tant | ium | | | | | |
| | O False | | | | | | | | |
| | ○ False | | | | | | | | |

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| | | | 411012000 | 0.00 MIN |
|-----|--|----------|-----------|----------|
| 20. | I sometimes gossip about people I don't like | | | |
| | ○ True ○ False | | | |
| | | | | |
| 21. | Sometimes I feel that I don't have enough control over the direction that my life is | s taking | | |
| | O True | | | |
| | O False | | | |
| 22. | There is really no such thing as 'luck' | | | |
| | O True | | | |
| | O False | | | |
| 00 | When I am angry, I sometimes sulk | | | |
| 23. | O True | | | |
| | O False | | | |
| | - 1 4.00 | | | |
| 24. | I lose my temper easily but get over it quickly | | | |
| | O True | | | |
| | ○ False | | | |
| 25. | At times, I feel I get a raw deal out of life | | | |
| | O True | | | |
| | O False | | | |
| 00 | Even when my once is account to the | | | |
| 26. | Even when my anger is aroused, I don't use 'strong language' or swear O True | | | |
| | O False | | | |
| | | | | |
| 27. | | | | |
| | O True | | | |
| | O False | | | |
| 28. | I never play practical jokes | | | |
| | O True | | | |
| | O False | | | |
| 20 | I tend to bottle-up my emotions rather than make a scene | | | |
| 25. | True | | | |
| | O False | | | |
| | | | | |
| 30. | I feel best after a couple of drinks | | | |
| | O True | | | |
| | ○ False | | | |
| 31. | Living is a wonderful adventure for me | | | |
| | O True | | | |
| | O False | | | |
| | | | | |
| | | | | |

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| | | | 21/8/2003 9:59 AM |
|-----|--|---------------------------|-------------------|
| 32. | When I get mad, I say nasty things | | 2110/2005 9.59 AN |
| OZ. | O True | | |
| | OFalse | | |
| | Long often trackled with facility of | | |
| 33. | I am often troubled with feelings of inferiority | | |
| | O True | | |
| | ○ False | | |
| 34. | I don't seem to get what's coming to me | | |
| | O True | | |
| | O False | | |
| 35. | I avoid arguing over prices with shop assistants and s | sales people | |
| | O True | saide people | |
| | O False | | |
| 36 | I feel blue and depressed | | |
| 50. | ① True | | |
| | O False | | |
| 37. | I have known people who have muched as a facility | V | |
| 31. | I have known people who have pushed me so far that O True | we have come to blows | |
| | O False | | |
| | False | | |
| 38. | I often have a hard time saying 'No' | | |
| | O True | | |
| | O False | | |
| 39. | Other people always seem to get the breaks | | |
| | O True | | |
| | O False | | |
| 40. | I often make threats I don't really mean to carry out | | |
| | O True | | |
| | O False | | |
| 11 | I will hesitate to make phone calls to business establi | ishmonto and institutions | |
| 41. | O True | isiments and institutions | |
| | O False | | |
| | o i aloc | | |
| 42. | I get into fights about as often as other people | | |
| | O True | | |

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43. I am very quick to express my opinion

O False

O True O False

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| 44. | I could not put someone in their place even if they needed it | |
|-----------|--|--------------|
| | O True | |
| | O False | |
| 45. | The future looks so gloomy that I wonder if I should go on | |
| . 40. | O True | |
| | O False | |
| | 7 4 4 5 5 | |
| 46. | If I have to resort to physical violence to defend my rights, I will | |
| | O True | |
| | O False | |
| 47. | Most misfortunes result from lack of ability, ignorance, laziness, or all three | |
| 47. | True | |
| | O False | |
| | Faise | |
| 48. | I never get mad enough to throw things | |
| | O True | |
| | O False | |
| 49 | I don't know any people that I downright hate | |
| 40. | O True | |
| | O False | |
| | o raise | |
| 50. | Once in awhile I cannot control my urge to harm others | |
| | O True | |
| | O False | |
| 51. | Whoever insults me or my family is asking for a fight | |
| • | O True | |
| | O False | |
| | Although I don't show it I | |
| 52. | Although I don't show it, I am sometimes filled with jealousy O True | |
| | O False | |
| | Faise | |
| 53. | There is altogether too much portrayal of sex in movies | |
| | O True | |
| | O False | |
| 54 | Almost every week I see someone I dislike | |
| 04. | ○ True | |
| | O False | |
| | | |
| 55. | and the state of t | |
| | O True | |
| | ○ False | |
| | | |
| tto-//www | W neuchology adolaide adu autopobiesy tasak katalantak | |
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| | | MA 80.6 60071011 7 |
|-----|--|--------------------|
| 56. | My future looks hopeful and promising | |
| | O True | |
| | O False | |
| 57. | Who gets to be boss often depends on who was lucky enough to be in the right place first | |
| | O True | |
| | O False | |
| 58. | There are times when I just can't say anything | |
| | O True | |
| | O False | |
| 59. | I can remember being so angry that I picked up the nearest thing and broke it | |
| | O True | |
| | O False | |
| 60. | I often wish I was never born | |
| 60. | O True | |
| | O False | |
| | | |
| 61. | When I really lose my temper, I am capable of slapping someone | |
| | O True | |
| | O False | |
| 62. | I can't help being a little rude to people I don't like | |
| | O True | |
| | O False | |
| 63. | I would like to take up the sport of water skiing | |
| | O True | |
| | O False | |
| 64. | I would rather concede a point than get into an argument | |
| | O True | |
| | O False | |
| 65. | When I get up in the morning, I expect to have an interesting day | |
| | O True | |
| | O False | |
| 66 | When people yell at me, I yell back | |
| | O True | |
| | O False | |
| 67. | Many times we might as well decide what to do by flipping a coin | |
| J1. | O True | |
| | ○ False | |
| | | |
| | | |

| | | | £ 1101£000 0.00 11 |
|-------|-------|--|--------------------|
| . (| 88. | I sometimes carry a chip on my shoulder | |
| • | | O True | |
| | | O False | |
| , | 69. | I feel that there is more disappointment in life than satisfaction | |
| | 9. | True | |
| | | O False | |
| | | Oraise | |
| 7 | 70. | I can think of no good reason for ever hitting anyone | |
| | | O True | |
| | | O False | |
| | | | |
| 7 | 71. | A person should have considerable sexual experience before marriage | |
| | | O True | |
| | | O False | |
| | | | |
| 7 | 72. | I would like to sail a long distance in a small but seaworthy sailing boat | |
| | | O True | |
| | | ○ False | |
| 7 | 73. | It is impossible for me to believe that chance or luck plays an important role in my life | |
| | ٠. | O True | |
| | | O False | |
| | | | |
| 7 | 4. | It makes me angry when some one makes fun of me | |
| | | O True | |
| | | O False | |
| | ,, | When arguing, I tend to raise my voice | |
| - | 75. | O True | |
| | | © False | |
| | | False | |
| 7 | 76. | I am careful to avoid hurting other people's feelings even when I feel I have been injured or hurt | |
| | | O True | |
| | | O False | |
| | | | |
| 7 | 7. | I would like to learn to fly an aeroplane | |
| | | O True | |
| | | O False | |
| 7 | 78. | A sensible person avoids activities that are dangerous | |
| • | ٥. | True | |
| | | O False | |
| | | Palse | |
| 7 | 9. | When I am mad, I sometimes slam doors | |
| | | O True | |
| | | O False | |
| | | | |
| | | | |
| http: | //wwv | w.psychology.adelaide.edu.au/teachingx/practicals/ydsurvey.html | Page 7 of 1 |

| 80. | I generally cover up my poor opinions of others | | | |
|-----|--|--|--|--|
| | O True | | | |
| | ○ False | | | |
| 81. | People's misfortunes result from mistakes they make | | | |
| | O True | | | |
| | ○ False | | | |
| 82. | I like to date members of the opposite sex who are physically exciting | | | |
| | O True | | | |
| | O False | | | |
| 83. | I would like to try surfing | | | |
| | ○ True | | | |
| | O False | | | |
| 84. | Lately, I have been kind of grouchy | | | |
| | ○ True | | | |
| | O False | | | |
| 85. | I feel that life is drudgery and boredom | | | |
| | O True | | | |
| | O False | | | |
| 86. | When I disapprove of my friend's behaviour, I let them know it | | | |
| | O True | | | |
| | O False | | | |
| 87. | I often don't know what to say to attractive persons of the opposite sex | | | |
| | O True | | | |
| | O False | | | |
| 88. | I can't help getting into arguments when people disagree with me | | | |
| | O True | | | |
| | O False | | | |
| 89. | My feelings are rather easily hurt | | | |
| | O True | | | |
| | O False | | | |
| 90. | People who continually pester you are asking for a punch in the nose | | | |
| | O True | | | |
| | O False | | | |
| 91. | I have hesitated to make or accept dates because of 'shyness' | | | |
| | O True | | | |
| | | | | |
| | O False | | | |
| | O False | | | |

| 92. | I would never want to try jumping out of a plane with or without a parachute | | |
|---------|---|--------------------|---------|
| | O True | | |
| | O False | | |
| 93. | I am irritated a great deal more than people are aware | | |
| | O True | | |
| | O False | | |
| 94. | Keeping the drinks full is the key to a good party | | |
| | O True | | |
| | O False | | |
| 95. | I am generally a happy person | | |
| | O True | | |
| | O False | | |
| 96. | I enjoy the company of the 'in' crowd | | |
| | ○ True | | |
| | ○ False | | |
| 97. | It is not always wise to plan too far ahead, because many things turn out to be a matter of good or | bad fortune anyway | |
| | O True | bad folianc anyway | |
| | O False | | |
| 00 | I would like to go scuba diving | | |
| 98. | O True | | |
| | O False | | |
| | Taise | | |
| 99. | , and a manual portion to got along with | | |
| | O True | | |
| | ○ False | | |
| 100. | I would call myself a nervous person | | |
| | O True | | |
| | O False | | |
| 101. | I sometimes show my anger by banging on the table | | |
| | O True | | |
| | | | |
| 102. | I often feel like 'dynamite' ready to explode | | |
| | O True | | |
| | O False | | |
| 103. | I think I would enjoy the sensations of skiing very fast down a large mountain slope | | |
| | O True | | |
| | O False | | |
| | | | |
| p://www | v.psychology.adelaide.edu.au/teachingx/practicals/ydsurvey.html | Page 8 | 0 of 10 |
| | | rage s | 0 01 10 |

| | 104. I sometimes feel 'just miserable' for no good reason | | |
|------|--|----|-------------|
| | ○ True○ False | | |
| | - Taise | | |
| | 105. I often like to get 'high' (drink alcohol or smoke marijuana) | | |
| | O True | | |
| | O False | | |
| | 106. If somebody annoys me, I tell them what I think of them | | |
| | O True | | |
| | O False | | |
| | - Taise | | |
| | 107. When I look back on what's happened to me, I can't help feeling mildly resentful | | |
| | O True | | |
| | O False | | |
| | 108. I don't let a lot of unimportant things irritate me | | |
| | O True | | |
| | O False | | |
| | | 10 | |
| | 109. I like wild 'uninhibited' parties | | |
| | O True | | |
| | O False | | |
| | 110. I often find myself disagreeing with people | | |
| | O True | | |
| | O False | | |
| | 111. I seldom strike back, even if someone hits me first | | |
| | O True | | |
| | O False | | |
| | | | |
| | 112. Things have worked out well for me | | |
| | O True | | |
| | ○ False | | |
| | 113. Sometimes people bother me just by being around | | |
| | O True | | |
| | O False | | |
| | 114. Becoming a success is a matter of hard work; luck has little or nothing to do with it | | |
| | O True | | |
| | O False | | |
| | | | |
| | 115. I demand that people respect my rights O True | | |
| | O False | | |
| | ♥ False | | |
| | | | |
| http | o://www.psychology.adelaide.edu.au/teachingx/practicals/ydsurvey.html | | Page 10 of |
| | and the second s | | . 3g0 10 01 |

| | to have new and exciting expens | nces and | sensations | s even if th | ney are a li | ttle fright | ening, unconventional | or illegal |
|----------------------------|---|-------------------------|--|--------------------------|-------------------------|-------------|--|---------------------|
| От | | | | | | | | |
| Ø F | alse | | | | | | | |
| 117. I like | to dive off the high board | | | | | | | |
| От | | | | | | | | |
| Ø F | | | | | | | | |
| | uioo | | | | | | | |
| Please indi your opinio | cate the extent to which you agree n. | e or disag | ree with ea | ach statem | ent by sele | ecting the | e alternative that best r | epresents |
| 118. | I often crave excitement. | | | | | | | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 119. | I wouldn't enjoy vacationing in | Las Vega | | | • | | onongry disagree | |
| | Strongly agree | 1000 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 120. | I have sometimes done things | just for 'k | cicks' or 'th | | | | and group | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 121. | I tend to avoid movies that are | shocking | or scary. | _ | | J | Through the same of the same o | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 122. | I like to be where the action is. | | | 0701 | | | 0, | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 123. | I love the excitement of roller of | oasters. | | | | | 3, | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 124. | I am attracted to bright colours | and flash | y styles. | | | | | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 125. | I like being part of the crowd at | sporting | events. | | | | 582 878 | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| or true of yo | | ehaviour a ST of the | ect the 'Fall is a driver. time. | se' button If you are | below the uncertain, | itam if th | a atatamant is not also | your racteristic |
| O F | alse | | | | | | | |
| 127. I ofte | n make rude signs at other motor | sts who a | nnoy me | | | | | |
| O Tr | | | 001200 4 0101000 | | | | | |
| O Fa | alse | | | | | | | |
| | | | | | | | | |
| 128. I find | driving a form of relaxation which | I use whe | n I feel ten | ise | | | | |
| O Tr | ue | | | | | | | |
| Ø Fa | alse | | | | | | | |
| | | | | | | | | |
| | n to manoeuvre and weave throug | h traffic | | | | | | |
| O Tr | | | | | | | | |
| ○ Fa | alse | | | | | | | |
| 130. I lose | my temper when another driver of | does som | ething stup | oid | | | | |
| ttp://www.psycho | ology.adelaide.edu.au/teachingx/practicals/ye | dsurvey.html | | | | | | Page 11 d |

| ⊖ True | | | |
|---|--|------|----------|
| ○ False | | | |
| 131. During the past few months I have gone driving to 'blow off steam' | | | |
| O True | | | |
| O False | | | |
| 132. I am not easily provoked or angered when driving | | | |
| ○ True | | | |
| O False | | | |
| 133. It's fun to outwit other drivers | | | |
| O True | | | |
| O False | | | |
| O Talso | | | |
| 134. I have given chase to a driver who has annoyed me | | | |
| O True | | | |
| O False | | | |
| 135, I find it difficult to control my temper when driving | | | |
| O True | | | |
| O False | | | |
| 136. Taking chances while driving is just asking for trouble | | | |
| O True | | | |
| O False | | | |
| 137. I have been known to flash my car lights at others in anger | | | |
| O True | | | |
| O False | | | |
| 400 When driving on a highway I never the | | | |
| 138. When driving on a highway I normally get passed by more cars than I pass mys © True | elf | | |
| | | | |
| ○ False | | | |
| 139. Driving helps me forget about pressures | | | |
| O True | | | |
| O False | | | |
| 7 4100 | | | |
| 140. Most drivers who have accidents are just unlucky | | | |
| O True | | | |
| O False | | | |
| 141. I like to pass other cars on the highway even if I'm not in a hurry | | | |
| ○ True | | | |
| O False | | | |
| 142. I swear out aloud at other drivers | | | |
| O True | | | |
| http://www.psychology.adelaide.edu.au/teachingx/practicals/ydsurvey.html | | Page | 12 of 16 |
| | THE RESERVE THE PARTY OF THE PA | | |

| | O False | |
|------------|--|---------------|
| 143. | The driver who breaks the law should be held responsible for an accident in which they are involved | |
| | O True | |
| | O False | |
| 144. | . I use my horn a great deal | |
| | O True | |
| | O False | |
| 145. | . When I am feeling annoyed or angry I tend to drive more carefully because I am afraid of losing control of th | 0.005 |
| | O True | e cai |
| | O False | |
| 146. | It's not reasonable to blame 'conditions' for accidents since it's up to the driver to allow for them | |
| | True | |
| | O False | |
| 147 | , If a driver follows too closely, I might hit the brakes to teach him or her a lesson | |
| 147. | O True | |
| | ○ False | |
| 148 | Modern highways are so good you don't have to worry about the conditions of the road when you drive | |
| 140. | True | |
| | ○ False | |
| 149 | It's fun to beat other drivers when taking off from traffic lights | |
| | O True | |
| | O False | |
| 150. | I get annoyed if the traffic lights change to red as I approach them | |
| | O True | |
| | O False | |
| 151. | When I am angry or stressed I make a conscious effort to make sure I drive safely | |
| 20300 | O True | |
| | O False | |
| 152. | Driving at high speeds is exciting | |
| | O True | |
| | O False | |
| 153. | I swear under my breath at other drivers | |
| | O True | |
| | O False | |
| 154. | I generally become more cautious while driving when I am upset | |
| | O True | |
| nttp://www | v.psychology.adelaide.edu.au/teachingx/practicals/ydsurvey.html | |
| 1 | A CONTRACTOR OF THE CONTRACTOR | Page 13 of 16 |

| | alse | |
|------|--|---|
| 155. | e driver behind me has their lights shining in my mirror, I pay them back in | some way |
| | rue | 500000000000000000000000000000000000000 |
| | alse | |
| | | |

156. When I am upset, driving helps soothe my nerves
O True

O False

Please select the most appropriate button beneath each statement that best describes how you typically drive. Remember that your answers will remain strictly confidential.

| 157. | I take risks | | | | |
|------|-----------------------------|------------------|-----------------|------------------|--------------|
| | Not at all | Some of the time | | Most of the time | All the time |
| 158. | I race other cars | | | | |
| | Not at all | Some of the time | Moderately | Most of the time | All the time |
| 159. | I cut in and out of the tra | affic | | | |
| | Not at all | Some of the time | Moderately | Most of the time | All the time |
| 160. | I pass other cars | | | | |
| | O Not at all | Some of the time | O Moderately | Most of the time | All the time |
| 161. | I get angry with slow dr | ivers | | | |
| | Not at all | Some of the time | Moderately | Most of the time | All the time |
| 162. | I like to drive fast | | | | |
| | Not at all | Some of the time | Moderately | Most of the time | All the time |
| 163. | I obey the road rules | | 5 | | |
| | Not at all | Some of the time | Moderately | Most of the time | All the time |
| 164. | I swear at other drivers | | Licensesses | | |
| | Not at all | Some of the time | Moderately | Most of the time | All the time |
| 165. | I exceed the speed limit | t | | | |
| | Not at all | Some of the time | Moderately | Most of the time | All the time |

http://www.psychology.adelaide.edu.au/teachingx/practicals/ydsurvey.html

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| Welle Collin | oletely certain of getting away with i vill remain strictly confidential. | t? For e | ach item, s | to time. Felect the b | ow likely is outton whic | it that you h applies | ou would do these thing to you. Remember tha | gs if you It your |
|-----------------|--|------------|-----------------|-----------------------|-----------------------------|--------------------------|---|----------------------|
| 166. | Ride on public transport with | out pay | ing a fare | | | | | |
| | O | | • | 0 | | | 0 | |
| 407 | Not at all likely | | | Quite li | kely | | Very likely | |
| 167. | Park in a 'no standing' zone | | * | | | | 2.1 | |
| | Not at all likely | | | Quito li | roh. | | , O | |
| 168. | The Control of the Co | noute. | | Quite lil | kely | | Very likely | |
| 100. | Earn cash payments without | paying | income tax | _ | | | 0 | |
| | Not at all likely | | | Quite lil | kelv | | Very likely | |
| 169. | Leave a shop with goods that | t you ha | ve not paid | | | | , and a second | |
| | 0 | | | 0 | | | 0 | |
| notable. | Not at all likely | | | Quite lil | kely | | Very likely | |
| 170. | Make a fraudulent insurance | claim | | | | | | |
| | Not at all likely | | | 0 | 7 27 | | 0 | |
| 474 | Not at all likely | | | Quite lik | kely | | Very likely | |
| 171. | Drive the wrong way down a | one-wa | y street | _ | | | 62 | |
| | Not at all likely | | | Quite lik | rely | | Vandlikalı | |
| 172. | Keep a \$50 note which you h | ave fou | nd in the et | | ioly | | Very likely | |
| | Q | iave lou | iid iii tiie si | O | | | 0 | |
| | Not at all likely | | | Quite lik | ely | | Very likely | |
| 173. | Hit someone who has annoy | ed or up | set you | | | | 5. (374) | |
| | 0 | | | 0 | | | 0 | |
| | Not at all likely | | | Quite lik | | | Very likely | |
| 174. | Take time off work sick when | you ha | ve somethi | ng more i | nteresting t | o do | | |
| | Not at all likely | | | Quita lil | ah. | | O | |
| | 242 | | | Quite lik | | | Very likely | |
| Please indic | cate the extent to which you agree | or disag | ree with ea | ch statem | ent by sele | cting the | alternative that best re | presents |
| *** | 4 | | | | | | | |
| 175. | I think it's OK to speed if the traf | fic cond | itions allow | you to do | SO. | | | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 176. | It is immoral to drink and drive. | | | | | | | |
| 22/24/25 | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 177. | The risk of dying young in a traff | ic crash | is so low t | hat you ca | n ignore it. | | | |
| 920200 | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 178. | Most of my friends drive safely. | | | | | | | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 179. | I am not likely to be caught by po | olice if c | ommitting a | a traffic off | ence. | | | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 180. | Hurting someone else with my of | ar woul | d scar me | for life. | | | | |
| | Strongly agree | 0 | 0 | 0 | | 0 | Strongly disagree | |
| 181. | I see most traffic hazards when | driving. | | | | | | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| 182. | I usually keep a sufficient follow | ing dista | ance. | | | | | |
| | Strongly agree | 0 | 0 | 0 | 0 | 0 | Strongly disagree | |
| Please answ | wer all questions honestly. Remem | ber that | any inform | nation vou | provide wi | ll remain | strictly confidential and | d will only |
| be used for | this study. | | , | | promot Wi | remain | on on our definition and | |
| | | | | | | | | |
| tp://www.psycho | ology.adelaide.edu.au/teachingx/practicals/yds | urvey.htm | i | | | | | Page 15 o |

| 184. | How many traffic accidents have you been involved in while you were driving that ONLY caused damage to vehicle(s) or property? |
|-------|--|
| 185. | How many traffic accidents have you been RESPONSIBLE for while you were driving that involved physical injuries to one or more people? |
| | |
| 186. | How many traffic accidents have you been RESPONSIBLE for while you were driving that ONLY caused damage to vehicle(s) or property? |
| 407 | How many fines for moving traffic affernance |
| 107. | How many fines for moving traffic offences have you received as a driver? (excluding parking fines) |
| 100 | Do you drink alcohol? |
| | |
| | O Yes |
| | ○ No |
| 189. | On a typical occasion when you drink alcohol, how many standard drinks of alcohol do you consume, on average? (A standard drink is a schooner of beer, a nip of spirits or a glass of wine) |
| | O I never drink alcohol |
| | ① 1-2 drinks |
| | 3-4 drinks |
| | © 5-6 drinks |
| | O 7-9 drinks |
| | C 7-9 dilliks |
| | O 10 or more drinks you for taking the time to complete this survey. Once you are happy with the response you have made to each of the items click the box at the bottom of the questionnaire to say you have finished entering your answers. |
| hank | you for taking the time to complete this survey. Once you are happy with the response you have made to each of the items click the box at the bottom of the questionnaire to say you have finished entering your answers. EASE DO NOT FORGET TO SIGN THE CONSENT FORM (AVAILABLE IN PSYCHOLOGY DEPARTMENT OFFICE) AND |
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APPENDIX D YOUNG TRAFFIC OFFENDER INFORMATION SHEET, CONSENT FORM, AND QUESTIONNAIRE

DEPARTMENT OF PSYCHOLOGY UNIVERSITY OF ADELAIDE

Young Drivers: Personality and Risky Driving

INFORMATION FOR PARTICIPANTS

My name is Lisa and I am a PhD Student in the Department of Psychology at the University of Adelaide.

The Study

Young drivers tend to be over-represented in crashes. The purpose of this study is to determine which personality characteristics and motivations define young drivers at a higher risk of crashing and how these individual differences, if any, relate to driving behaviour. This study may assist in the development of new road safety programs for young drivers.

I am seeking young drivers, aged between 16 and 24 years, who have held a South Australian driver's licence to participate in this study. You are invited to fill in a questionnaire that will take approximately 10 minutes.

Driver behaviour may be reflected in driving records. I would also like to follow participant's driving records over a 12-month period. Participant's driving records will not be individually identifiable and will not be disclosed to anyone. If you do not wish to volunteer this information, you may still participate in the study.

Confidentiality

Participants are assured that they will not be individually identified in any report on this study. Furthermore, your responses on any questions you complete will not be disclosed to anyone.

Your participation in this study is voluntary. <u>I ask all participants to give informed consent by signing the consent form</u>. Please return the consent form and survey to the researcher or group facilitator when you have completed it. Participants can choose to discontinue their involvement at any stage.

DEPARTMENT OF PSYCHOLOGY UNIVERSITY OF ADELAIDE

CONSENT FORM

| 1. | I, | (please print name) | | | | | |
|-------|--|---------------------------------|--|--|--|--|--|
| | consent to take part in the research project entitled: | | | | | | |
| | "High Risk Young Drivers: The Relationship Between Personality, Experand Crash Involvement" | rience, Risky Driving | | | | | |
| 2. | The nature of the project has been explained to me, and is summarised I have been given. | d on an information sheet that | | | | | |
| 3. | I have been informed that, while information gained during the study midentified and my personal results will be strictly confidential. | nay be published, I will not be | | | | | |
| 4. | I understand that I am free to withdraw from the project at any time and that there are no known adverse effects of these questionnaires or procedures. | | | | | | |
| 5. | I understand that this project is for the purpose of research or teaching, and not for treatment. | | | | | | |
| | | | | | | | |
| | (signature) | (date) | | | | | |
| | | | | | | | |
| RELEA | SE OF DRIVER RECORDS | | | | | | |
| | l, | (full name of participant) | | | | | |
| | / (date of birth) | (driver licence number) | | | | | |
| | aire authority to Domintration and Linearing Transport CA to valence | | | | | | |
| | give authority to Registration and Licensing, Transport SA, to release recrash records, if any, to the Department of Psychology of the University purposes. If necessary, I give authority to the researcher to obtain my displayed to the researc | sity of Adelaide, for research | | | | | |
| | crash records, if any, to the Department of Psychology of the University | sity of Adelaide, for research | | | | | |



This study examines personality and risky driving. We need to start by asking you some questions about your personal details. Please answer all questions honestly. Remember that any information you provide will remain strictly confidential and will only be used for this study after the removal of any identifying information. Thank you for taking the time to complete this survey.

| 1. What is your age? | O Friend |
|---|--|
| 2. What is your gender? | O Male O Female |
| 3. What is your current marital status? | O Single (never married) O Defacto O Married O Separated or divorced O Widowed |
| 4. Postcode of main residency (4 digits) | |
| 5. What is your main occupation? | |
| 6. What is the highest level of education that you | have completed? |
| | O Some secondary or high school O Year 12 O Some Trade/Technical college O Certificate or diploma O Some University O University degree O OtherÉ (specify) |
| 7. What is your current driverÕs licence status? | O Learner Permit O Provisional Licence O Full Licence O Disqualified O Unlicensed |
| 8. If your licence is currently disqualified, what lic | ence did you hold before you were disqualified? |
| | O Learner Permit O Provisional Licence O Full Licence O Not disqualified O Unlicensed |
| 9. At what age did you first obtain your Learners | Permit (L-Plates)? |
| | ○ 16 years ○ 16.5 years ○ 16.5 years ○ 17 years ○ 19 years or older ○ 17.5 years |
| 10. At what age did you first obtain your Provision | nal Licence (P-Plates)? |
| | O 16.5 years O 18.5 years O 17 years O 19 years O 17.5 years O 19.5 years or older O 18 years O I don't have my P's |
| 11. What method did you use to successfully get | your Provisional Licence? |
| | O Log book O Driving test O I don't have my P's |
| 12. Think back to the last time you were driving a drive per week on average? | vehicle. Approximately how many kilometres did you |



Please read each item below carefully. Tick the ÔTrueÕ box next to the item if the statement is generally true of your beliefs or behaviour: tick the ÔFalseÕ box if the statement is not true of your beliefs or behaviour. If you are unsure, please select the option that is true of your beliefs or behaviour MOST of the time.

| 13. I often wish I could be a mountain climber | O True O False |
|---|----------------|
| 14. If somebody hits me first, I let them have it | O True O False |
| 15. I am always patient with others | O True O False |
| 16. I would call myself a tense or 'highly strung' person | O True O False |
| 17. I sometimes pout when I don't get my own way | O True O False |
| 18. Since the age of ten, I have never had a temper tantrum | O True O False |
| 19. I sometimes gossip about people I don't like | O True O False |
| 20. When I am angry, I sometimes sulk | O True O False |
| 21. At times, I feel I get a raw deal out of life | O True O False |
| 22. I would say that I am fairly self-confident | O True O False |
| 23. Living is a wonderful adventure for me | O True O False |
| 24. I am often troubled with feelings of inferiority | O True O False |
| 25. I feel blue and depressed | O True O False |
| 26. I have known people who have pushed me so far that we have come to blows | O True O False |
| 27. Other people always seem to get the breaks | O True O False |
| 28. I often make threats I don't really mean to carry out | O True O False |
| 29. I will hesitate to make phone calls to business establishments and institutions | O True O False |
| 30. I am very quick to express my opinion | O True O False |
| 31. I could not put someone in their place even if they needed it | O True O False |
| 32. The future looks so gloomy that I wonder if I should go on | O True O False |
| 33. If I have to resort to physical violence to defend my rights, I will | O True O False |
| 34. Once in awhile I can not control my urge to harm others | O True O False |
| 35. Whoever insults me or my family is asking for a fight | O True O False |
| 36. My future looks hopeful and promising | O True O False |
| 37. There are times when I just can't say anything | O True O False |
| 38. I often wish I was never born | O True O False |
| 39. When I really lose my temper, I am capable of slapping someone | O True O False |
| 40. I would like to take up the sport of water skiing | O True O False |



| 41. I would rather concede a point than get in an argument | O True O False |
|---|----------------|
| 42. I sometimes carry a chip on my shoulder | O True O False |
| 43. I feel that there is more disappointment in life than satisfaction | O True O False |
| 44. I can think of no good reason for ever hitting anyone | O True O False |
| 45. A person should have considerable sexual experience before marriage | O True O False |
| 46. I would like to sail a long distance in a small but seaworthy sailing boat | O True O False |
| 47. It makes me angry when someone makes fun of me | O True O False |
| 48. I would like to learn to fly an aeroplane | O True O False |
| 49. A sensible person avoids activities that are dangerous | O True O False |
| 50. When I am mad, I sometimes slam doors | O True O False |
| 51. I generally cover up my poor opinions of others | O True O False |
| 52. I like to date people who are physically exciting | O True O False |
| 53. I would like to try surfing | O True O False |
| 54. Lately, I have been kind of grouchy | O True O False |
| 55. I feel that life is drudgery and boredom | O True O False |
| 56. When I disapprove of my friend's behaviour, I let them know it | O True O False |
| 57. I often don't know what to say to people I find attractive | O True O False |
| 58. I can't help getting into arguments when people disagree with me | O True O False |
| 59. My feelings are rather easily hurt | O True O False |
| 60. People who continually pester you are asking for a punch in the nose | O True O False |
| 61. I have hesitated to make or accept dates because of 'shynessÕ | O True O False |
| 62. I would never want to try jumping out of a plane with or without a parachute | O True O False |
| 63. I am irritated a great deal more than people are aware | O True O False |
| 64. Keeping the drinks full is the key to good party | O True O False |
| 65. I am generally a happy person | O True O False |
| 66. I enjoy the company of the 'in' crowd | O True O False |
| 67. I would like to go scuba diving | O True O False |
| 68. If I let people see the way I feel, I'd be considered a hard person to get along with | O True O False |
| 69. I would call myself a nervous person | O True O False |
| 70. I often feel like 'dynamite' ready to explode | O True O False |
| 71. I think I would enjoy the sensations of skiing very fast down a large mountain slope | O True O False |



| 72. I sometimes feel 'just | O True | O False | | | | | | | | |
|--|---|------------------------|------------------|--------------------|----------|---------|--|--|--|--|
| 73. I often like to get 'high | O True | O False | | | | | | | | |
| 74. If somebody annoys n | O True | O False | | | | | | | | |
| 75. When I look back on w | O True | O False | | | | | | | | |
| 76. I don't let a lot of unim | portant thing | s irritate me | | | O True | O False | | | | |
| 77. I like wild 'uninhibited' | 77. I like wild 'uninhibited' parties | | | | | | | | | |
| 78. I often find myself disa | 78. I often find myself disagreeing with people | | | | | | | | | |
| 79. I seldom strike back, e | even if someo | ne hits me first | | | O True | O False | | | | |
| 80. Things have worked o | ut well for me |) | | | O True | O False | | | | |
| 81. Sometimes people bo | ther me just b | y being around | | | O True | O False | | | | |
| 82. I demand that people | respect my ri | ghts | | | O True | O False | | | | |
| 83. I like to have new and frightening, unconvention | | eriences and sensation | ons even if they | are a little | O True | O False | | | | |
| 84. I like to dive off the high | • | | | | O True | O False | | | | |
| Please tick the most approdrive. Remember that your 85. I take risks | | | | O Most of the time | O All th | | | | | |
| 86. I race other cars | O Not at all | O Some of the time | O Moderately | O Most of the time | O All th | e time | | | | |
| 87. I cut in and out of the | traffic | | | | | | | | | |
| | O Not at all | O Some of the time | O Moderately | O Most of the time | O All th | e time | | | | |
| 88. I pass other cars | O Not at all | O Some of the time | O Moderately | O Most of the time | O All th | e time | | | | |
| 89. I get angry with slow of | drivers | | | | | | | | | |
| co got ang.y mai o.ou . | | O Some of the time | O Moderately | O Most of the time | O All th | e time | | | | |
| 90. I like to drive fast | | | | | 0.48.4 | | | | | |
| | O Not at all | O Some of the time | O Moderately | O Most of the time | O All th | e time | | | | |
| 91. I exceed the speed lim | nit | | | | | | | | | |
| | O Not at all | O Some of the time | O Moderately | O Most of the time | O All th | e time | | | | |



Please read each item below carefully. Tick the ÔTrueÕ box next to the item if the statement is generally true of your opinion about driving or your behaviour as a driver: tick the ÔFalseÕ box if the statement is not true of your opinion about driving or your behaviour as a driver. If you are unsure, please select the option that is true of your opinion or behaviour MOST of the time.

| 92. I often make rude signs at other motorists who annoy me | O True O False |
|---|----------------|
| 93. I find driving a form of relaxation which I use when I feel tense | O True O False |
| 94. It's fun to manoeuvre and weave through traffic | O True O False |
| 95. I lose my temper when another driver does something stupid | O True O False |
| 96. I am not easily provoked or angered when driving | O True O False |
| 97. It's fun to outwit other drivers | O True O False |
| 98. I have given chase to a driver who has annoyed me | O True O False |
| 99. I find it difficult to control my temper when driving | O True O False |
| 100. I have been known to flash my car lights at others in anger | O True O False |
| 101. I like to pass other cars on the highway even if I'm not in a hurry | O True O False |
| 102. I swear out aloud at other drivers | O True O False |
| 103. I use my horn a great deal | O True O False |
| 104. When I am feeling annoyed or angry I tend to drive more carefully because I am afraid of losing control of the car | O True O False |
| 105. If a driver follows too closely, I might hit the brakes to teach him or her a lesson | O True O False |
| 106. It's fun to beat other drivers when taking off from traffic lights | O True O False |
| 107. When I am angry or stressed I make a conscious effort to make sure I drive safely | O True O False |
| 108. Driving at high speeds is exciting | O True O False |
| 109. I generally become more cautious while driving when I am upset | O True O False |
| 110. If the driver behind me has their lights shining in my mirror, I pay them back in some way | O True O False |
| 111. When I am upset, driving helps soothe my nerves | O True O False |



This is a list of things which people are tempted to do from time to time. How likely is it that you would do these things if you were completely certain of getting away with it? For each item, tick the option which applies to you. Remember that your answers will remain strictly confidential.

| 112. | Ride on public transport without paying | a fare | | O Not | at all l | ikely | O Quite | likely | O Ve | ry likely |
|------|---|--------------------|--------|----------|----------|---------|-----------|--------|----------|-----------|
| 113. | Park in a 'no standing' zone | | | O Not | at all l | ikely | O Quite | likely | O Ve | ry likely |
| 114. | Earn cash payments without paying inco | ome tax on them | | O Not | at all l | ikely | O Quite | likely | O Ve | ry likely |
| 115. | Leave a shop with goods that you have | not paid for | | O Not | at all l | ikely | O Quite | likely | O Ve | ry likely |
| 116. | Drive the wrong way down a one-way st | reet | | O Not | at all l | ikely | O Quite | likely | O Ve | ry likely |
| 117. | Keep a \$50 note which you have found i | n the street | | O Not | at all l | ikely | O Quite | likely | O Ve | ry likely |
| 118. | Hit someone who has annoyed or upset | you | | O Not | at all l | ikely | O Quite | likely | O Ve | ry likely |
| | Take time off work/school/uni sick when ething more interesting to do | ı you have | | O Not | at all l | ikely | O Quite | likely | O Ve | ry likely |
| | se indicate the extent to which you agree represents your opinion. | or disagree with | each | ı staten | nent b | y ticki | ing the a | lterna | ive tha | nt |
| 120. | I think it's OK to speed if the traffic cond | ditions allow you | | | | | | | | |
| | | Strongly agree | 0 | 1 02 | O 3 | O 4 | O 5 | Stro | ngly di | sagree |
| 121. | It is immoral to drink and drive | Strongly agree | 0 | 1 () 2 | O3 | O 4 | O 5 | Stro | ongly di | sagree |
| 122. | The risk of dying young in a traffic crasl | h is so low that y | ou ca | an igno | re it | | | | | |
| | | Strongly agree | _ | 1 02 | | O 4 | O 5 | Stro | ngly di | sagree |
| 123. | Most of my friends drive safely | | | | | | | | | |
| | | Strongly agree | 0 | 1 02 | O 3 | O 4 | O 5 | Stro | ngly di | sagree |
| 124. | I am not likely to be caught by police if o | committing a traf | fic of | ffence | | | | | | |
| | | Strongly agree | 0 | 1 02 | O 3 | O 4 | O 5 | Stro | ngly di | sagree |
| 125. | Hurting someone else with my car would | d scar me for life | | | | | | | | |
| | | Strongly agree | 0 | 1 02 | O 3 | O 4 | O 5 | Stro | ngly di | sagree |
| 126. | I see most traffic hazards when driving | | | | | | | | | |
| | | Strongly agree | 0 | 1 () 2 | O 3 | O 4 | O 5 | Stro | ngly di | sagree |
| 127. | I usually keep a sufficient following dist | ance | | | | | | | | |
| | | Strongly agree | 0 | 1 () 2 | O 3 | 04 | O 5 | Stro | ngly di | sagree |



Please answer all questions honestly. Remember that any information you provide will remain strictly confidential and will only be used for this study.

| 128. How many traffic crashes have you binjuries to one or more people? | peen involved in while you were driving | that involved physical |
|--|--|---|
| | | |
| 129. How many traffic crashes have you be damage to vehicle(s) or property? | peen involved in while you were driving | that ONLY caused |
| | | |
| 130. How many traffic crashes have you be physical injuries to one or more people? | peen RESPONSIBLE for while you were | driving that involved |
| | | |
| 131. How many traffic crashes have you k caused damage to vehicle(s) or property? | | driving that ONLY |
| | | |
| 132. What type of traffic offence did you o | commit that led to your licence disquali | fication? |
| | ☐ Speeding ☐ Not displaying L or P-Plates ☐ Drink driving ☐ Fail to give way/stop ☐ Disobey traffic signals/sign ☐ Dangerous/reckless/careless driving | ☐ Following too closely ☐ Fail to keep left ☐ Overtaking without due care ☐ Not wearing seat belt ☐ Not applicable ☐ OtherÉ (specify) |
| 133. Were you involved in a crash when t detected? | | e disqualification was |
| | O Yes O No O Not applicable | |
| 134. In total, how many fines for moving t fines) | raffic offences have you received as a | driver? (excluding parking |
| | | |
| 135. Do you drink alcohol? | O Yes O No | |
| 136. On a typical occasion when you drin consume, on average? (A standard drink | | |
| | O I never drink alcohol O 1-2 drinks O 3-4 drinks O 10 or more d | Irinks |

APPENDIX E CHANGES TO THE SOCIAL MOTIVATION QUESTIONNAIRE: AN AUSTRALIAN VERSION

1. Introduction

The Social Motivation Questionnaire (SMQ) is a ten-item measure of mild social deviance developed by West, Elander and French (1993) in the United Kingdom. The construct of mild social deviance was developed to examine antisocial motivation within the normal range and to concentrate on behaviours whose motive was not to harm others but harm to others may be a likely consequence (West et al., 1993). Research has shown that the original UK measure of mild social deviance was associated with self-reported traffic violations and crash involvement (Lawton *et al.*, 1997; West et al., 1993). Alterations to the wording of some of the SMQ questions were necessary to make the questionnaire applicable to drivers in Australia, rather than the United Kingdom.

The SMQ was administered to two different populations of young Australian drivers that might be expected to have different levels of mild social deviance. The first group of young drivers (*N*=270) was drawn from a population of university students who held a provisional licence. The second group consisted of young drivers who had their provisional driver's licence disqualified after being detected committing a traffic offence or offences (*N*=336). These drivers are subsequently referred to as "young offenders" (see Chapter 5 for further details about these groups).

2. Changes to the SMQ

In the original ten-item SMQ, participants were asked: "How likely is it that you would do these things if you were completely certain of getting away with it?" Responses were scored on a three point scale labelled 1 = 'not at all likely', 2 = 'quite likely' and 3 = 'very likely'. Items from the original SMQ are shown in Table E.1.

Several changes were made to the original SMQ to make the questionnaire relevant to Australian drivers. The ninth item from the original SMQ "Own and watch a TV without having a licence" was omitted, as it was not relevant in an Australian context. Two other items were omitted and two new items were created that were similar to the original items, but were applicable to respondents driving in the Australian environment. The second SMQ item "Park on double yellow lines" was changed to "Park in a 'no standing' zone" to reflect an equivalent parking offence in Australia. The sixth item of the SMQ "Drive down the hard shoulder of the motorway when the other lanes are jammed" was altered to "Drive the wrong way down a one-way street". The seventh SMQ item was altered slightly to represent Australian currency. It was changed from "Keep a £20 note which you have found in the street" to "Keep a \$50 note ...".

The fifth item of the SMQ "Make a fraudulent insurance claim" was excluded from the offender sample questionnaire due to its initial low reliability (based on preliminary student data). Thus, the mild social deviance measure was a nine-item scale for the student sample and an eight-item scale for the offender sample.

Table E.1 *Items from the original SMQ scale developed by West et al. (1993)*

NOTE: This table is included on page 308 of the print copy of the thesis held in the University of Adelaide Library.

3. Internal Consistency and Factor Structure of the Australian Version of the SMQ Factor analysis and reliability analysis were undertaken to assess the internal structure of the new version of the SMQ using the student and young traffic offender data. Cronbach's alpha coefficients were calculated to determine the internal consistency of each item within the scale for each data set. Principal components analyses were conducted to verify the number of factors underlying the scale in each data set. Based on polychoric correlation matrices, the optimal number of factors was selected by applying four methods: Velicer's MAP criterion (Velicer, 1976), parallel analysis (Horn, 1965), eigenvaluesgreater-than-one (Kaiser, 1960), and scree plot (Cattell, 1966). One major factor was found in the offender data. While the scree plot and MAP criterion decision rules suggested a one-factor solution in the student sample, the eigenvalues-greater-than-one rule and parallel analysis suggested a two-factor solution. Closer inspection of the individual items indicated that the second factor was not interpretable. Thus, a one-factor solution was retained. The single factor explained slightly more of the variance in the offender sample (45.9%) than the student sample (40.5%). The SMQ item factor loadings, communalities, and Cronbach's alpha coefficients (alphas are for the scale if the individual item was deleted) for the student and offender samples can be seen in Tables E.2 and E.3 respectively.

For individual alpha levels, if an item is excluded and the alpha for the scale becomes higher than the current scale alpha level of the scale, this item is considered to have poor internal consistency and should be deleted. None of the "alpha if item excluded" levels for items exceeded the alpha level for the whole scale among the student and offender data. Therefore, all individual items were internally consistent.

Table E.2 SMQ item factors loading and contribution to alpha coefficients for the student sample (N=270)

| Mild social deviance | Factor loadings | Communalities (h^2) | Alpha if item excluded |
|--|--------------------|-----------------------|------------------------------|
| Ride on public transport without paying a fare | .84 | .71 | .71 |
| Park in a 'no standing' zone | .79 | .63 | .71 |
| Earn cash payments without paying income tax on them | .77 | .59 | .72 |
| Leave a shop with goods that you have not paid for | .77 | .59 | .74 |
| Make a fraudulent insurance claim | .55 | .30 | .76 |
| Drive the wrong way down a one-way street | .50 | .25 | .75 |
| Keep a \$50 note which you have found in the street | .38 | .15 | .76 |
| Hit someone who has annoyed or upset you | .49 | .24 | .76 |
| Take time off work sick when you have something more interesting to do | .45 | .20 | .75 |

Alpha of scale = 0.76

Note: Italics denotes newly created mild social deviance items for the Australian version.

Table E.3 SMQ item factors loading and contribution to alpha coefficients for the traffic offender sample (N=336)

| Mild social deviance | Factor loadings | Communalities (h²) | Alpha if item excluded |
|--|--------------------|--------------------|------------------------------|
| Ride on public transport without paying a fare | .73 | .53 | .73 |
| Park in a 'no standing' zone | .73 | .54 | .72 |
| Earn cash payments without paying income tax on them | .69 | .48 | .72 |
| Leave a shop with goods that you have not paid for | .80 | .64 | .74 |
| Drive the wrong way down a one-way street | .80 | .64 | .71 |
| Keep a \$50 note which you have found in the street | .46 | .21 | .75 |
| Hit someone who has annoyed or upset you | .62 | .39 | .73 |
| Take time off work sick when you have something more interesting to do | .50 | .25 | .75 |

Alpha of scale = 0.76

Note: Italics denotes newly created mild social deviance items for the Australian version.

With respect to internal consistency, Nunnally (1978) recommended that alpha coefficients should be equal or higher than 0.70 if a set of items are to make up a scale.

The overall alpha level for the scales administered to students and young traffic offenders was 0.76. Although, alpha coefficients tend to increase as a function of the number of items (Cronbach, 1970), the alpha for the eight-item scale administered to young traffic offenders and the nine-item scale administered to students was the same as the alpha level reported for the original ten-item scale administered in the United Kingdom by West et al. (1993). Thus, the Australian version of the SMQ had a satisfactory degree of internal consistency.

The two new individual items had satisfactory factor loadings of .50 or greater in both data sets and acceptable individual alpha levels. However, the communality for one of the new items in the student sample was low (.25), leaving a considerable amount of the variance unexplained.

4. Summary

The Australian version of the Social Motivation Questionnaire represented a single underlying dimension and the items measuring this construct consistently measured the same dimension. The alpha coefficient for the Australian SMQ scale was the same as the original even though there were fewer items. Thus, the Australian version of the SMQ demonstrated good internal consistency.

5. References

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APPENDIX F FACTOR LOADINGS AND COMMUNALITIES FOR STUDENT QUESTIONNAIRE ITEMS

Table F.1

Factor loadings and communalities for personality measures

| Personality measures | Factor loadings | Communalities (h^2) |
|--|-----------------|-----------------------|
| Assertiveness (accounts for 17% of variance) | | |
| I tend to bottle-up my emotions rather than make a scene | .39 | .15 |
| I avoid arguing over prices with shop assistants and sales people | .23 | .05 |
| I often have a hard time saying 'No' | .33 | .11 |
| I will hesitate to make phone calls to business establishments and institutions | .48 | .23 |
| I am very quick to express my opinion | .48 | .23 |
| During an argument, I am sometimes afraid that I will get so upset that I begin to shake all over | .08 | .01 |
| There are times when I just can't say anything | .39 | .15 |
| I am careful to avoid hurting other people's feelings even when I feel I have been injured or hurt | .16 | .03 |
| I often don't know what to say to attractive persons of the opposite sex | .61 | .38 |
| I have hesitated to make or accept dates because of 'shyness' | .59 | .35 |
| Depression ^a (accounts for 39% of variance) | | |
| Living is a wonderful adventure for me | .65 | .42 |
| I feel blue and depressed | .58 | .33 |
| The future looks so gloomy that I wonder if I should go on | .70 | .49 |
| My future looks hopeful and promising | .67 | .44 |
| I often wish I was never born | .59 | .35 |
| When I get up in the morning, I expect to have an interesting day | .44 | .19 |
| I feel that there is more disappointment in life than satisfaction | .69 | .47 |
| I feel that life is drudgery and boredom | .66 | .43 |
| I am generally a happy person | .61 | .37 |
| Things have worked out well for me | .66 | .43 |

| Personality measures cont. | Factor loadings | Communalities (h²) |
|---|--------------------|--------------------|
| Emotional adjustment (accounts for 40% of variance) | | |
| I would call myself a tense or 'highly strung' person | .49 | .24 |
| I would say that I am fairly self-confident | .65 | .43 |
| I am often troubled with feelings of inferiority | .56 | .32 |
| My feelings are rather easily hurt | .79 | .62 |
| I would call myself a nervous person | .72 | .52 |
| I sometimes feel 'just miserable' for no good reason | .54 | .29 |
| Externality (accounts for 33% of variance) | | |
| Without the right luck, one cannot be an effective leader | .56 | .31 |
| Sometimes I feel that I don't have enough control over the direction that my life is taking | .50 | .25 |
| Who gets to be boss often depends on who was lucky enough to be in the right place first | .76 | .58 |
| Many times we might as well decide what to do by flipping a coin | .56 | .31 |
| It is not always wise to plan too far ahead, because many things turn out to be a matter of good or bad fortune anyway | .43 | .18 |
| Internality (accounts for 27% of variance) | | |
| There is really no such thing as 'luck' | .68 | .47 |
| Most misfortunes result from lack of ability, ignorance, laziness, or all three | .24 | .06 |
| It is impossible for me to believe that chance or luck plays an important role in my life | .59 | .35 |
| People's misfortunes result from mistakes they make | .39 | .15 |
| Becoming a success is a matter of hard work; luck has little or nothing to do with it | .59 | .35 |
| Sensation seeking (two-factor solution) | | |
| Thrill and adventure seeking (accounts for 26% of variance) | | |
| I often wish I could be a mountain climber | .57 | .30 |
| I would like to take up water skiing | .59 | .34 |
| I would like to sail a long distance in a small but seaworthy sailing boat | .48 | .23 |
| I would like to learn to fly an aeroplane | .77 | .61 |
| A sensible person avoids activities that are dangerous | .29 | .09 |
| I would like to try surfing | .77 | .60 |
| I would never want to try jumping out of a plane with or without a parachute | .59 | .33 |
| I would like to go scuba diving | .87 | .70 |
| I think I would enjoy the sensations of skiing very fast down a large mountain slope | .71 | .56 |
| I like to dive off the high board | .72 | .53 |

| Personality measures cont. | Factor loadings | Communalities (h^2) |
|---|--------------------|-----------------------|
| Disinhibition (accounts for 12% of variance) | | |
| Even if I had the money I would not care to associate with flighty rich people | .16 | .03 |
| I feel best after a couple of drinks | .73 | .48 |
| There is altogether too much portrayal of sex in movies | .47 | .20 |
| A person should have considerable sexual experience before marriage | .60 | .37 |
| I like to date members of the opposite sex who are physically exciting | .52 | .31 |
| Keeping the drinks full is the key to a good party | .76 | .55 |
| I enjoy the company of the 'in' crowd | .25 | .12 |
| I often like to get 'high' (drink alcohol or smoke marijuana) | .79 | .62 |
| I like wild 'uninhibited' parties | .39 | .28 |
| I like to have new and exciting experiences and sensations even if they are a little frightening, unconventional or illegal | .32 | .42 |

^a Factor analysis using Pearson correlations

Table F.2

Factor loadings and communalities for hostility and aggression measures

| Hostility and aggression measures | Factor loadings | Communalities (h^2) |
|--|-----------------|-----------------------|
| Assaultiveness (accounts for 32% of variance) | | |
| If somebody hits me first, I let them have it | .61 | .37 |
| I have known people who have pushed me so far that we | .62 | .38 |
| have come to blows | | |
| I get into fights about as often as other people | .23 | .05 |
| If I have to resort to physical violence to defend my rights, I | .63 | .39 |
| will Once in exhile I cannot control my urge to harm others | .49 | .24 |
| Once in awhile I cannot control my urge to harm others Whoever insults me or my family is asking for a fight | .49 .69 | .48 |
| When I really lose my temper, I am capable of slapping | .53 | .28 |
| someone | .55 | .20 |
| I can think of no good reason for ever hitting anyone | .55 | .30 |
| People who continually pester you are asking for a punch in | .56 | .31 |
| the nose | | |
| I seldom strike back, even if someone hits me first | .61 | .37 |
| Indirect hostility (accounts for 24% of variance) | | |
| I sometimes pout when I don't get my own way | .42 | .18 |
| Since the age of ten, I have never had a temper tantrum | .59 | .35 |
| I sometimes gossip about people I don't like | .29 | .08 |
| When I am angry, I sometimes sulk | .53 | .28 |
| I never play practical jokes | .19 | .04 |
| I never get mad enough to throw things | .56 | .32 |
| I can remember being so angry that I picked up the nearest | .46 | .21 |
| thing and broke it | | |
| When I am mad, I sometimes slam doors | .75 | .57 |
| I sometimes show my anger by banging on the table | .40 | .16 |
| Verbal hostility (accounts for 22% of variance) | | |
| Even when my anger is aroused, I don't use 'strong | .38 | .14 |
| language' or swear | | |
| When I get mad, I say nasty things | .56 | .32 |
| I often make threats I don't really mean to carry out | .50 | .25 |
| I could not put someone in their place even if they needed it | .32 | .10 |
| I would rather concede a point than get into an argument | .38 | .15 |
| When people yell at me, I yell back | .60 | .37 |
| When arguing, I tend to raise my voice | .45 | .20 |
| I generally cover up my poor opinions of others | .53 | .28 |
| When I disapprove of my friend's behaviour, I let them know it | .35 | .12 |
| I can't help getting into arguments when people disagree with me | .50 | .25 |

| Hostility and aggression measures cont. | Factor loadings | Communalities (h^2) |
|---|--------------------|-----------------------|
| Verbal hostility cont. | | |
| If somebody annoys me, I tell them what I think of them | .60 | .36 |
| I often find myself disagreeing with people | .41 | .17 |
| I demand that people respect my rights | .35 | .12 |
| Irritability (accounts for 25% of variance) | | |
| I am always patient with others | .35 | .12 |
| If someone doesn't treat me right, I don't let it annoy me | .42 | .17 |
| I lose my temper easily but get over it quickly | .34 | .11 |
| I can't help being a little rude to people I don't like | .38 | .15 |
| I sometimes carry a chip on my shoulder | .52 | .27 |
| It makes me angry when some one make fun of me | .45 | .20 |
| Lately, I have been kind of grouchy | .56 | .31 |
| I am irritated a great deal more than people are aware | .56 | .32 |
| I often feel like a 'dynamite' ready to explode | .63 | .40 |
| I don't let a lot of unimportant things irritate me | .64 | .41 |
| Sometimes people bother me just by being around | .51 | .26 |
| Resentment (accounts for 31% of variance) | | |
| At times, I feel I get a raw deal out of life | .69 | .48 |
| I don't seem to get what's coming to me | .39 | .15 |
| Other people always seem to get the breaks | .72 | .52 |
| I don't know any people that I downright hate | .42 | .18 |
| Although I don't show it, I am sometimes filled with jealousy | .42 | .17 |
| Almost every week I see someone I dislike | .42 | .18 |
| If I let people see the way I feel, I'd be considered a hard person to get along with | .55 | .31 |
| When I look back on what's happened to me, I can't help feeling mildly resentful | .71 | .50 |

Table F.3

Factor loadings and communalities for driving-related measures

| Driving-related measures | Factor loadings | Communalities (h^2) |
|--|-----------------|-----------------------|
| Aggression ^a (accounts for 20% of variance) | | |
| I often make rude signs at other motorists who annoy me | .61 | .38 |
| I lose my temper when another driver does something stupid | .52 | .27 |
| I am not easily provoked or angered when driving | .53 | .28 |
| I have given chase to a driver who has annoyed me | .27 | .07 |
| I find it difficult to control my temper when driving | .58 | .33 |
| I have been known to flash my car lights at others in anger | .55 | .30 |
| I swear out aloud at other drivers | .45 | .20 |
| I use my horn a great deal | .49 | .24 |
| If a driver follows too closely, I might hit the brakes to teach him or her a lesson | .24 | .06 |
| I get annoyed if the traffic lights change to red as I approach them | .21 | .05 |
| I swear under my breath at other drivers | .26 | .07 |
| If the driver behind me has their lights shining in my mirror, I pay them back in some way | .41 | .17 |
| Competitive speed (accounts for 43% of variance) | | |
| It's fun to manoeuvre and weave through traffic | .75 | .56 |
| It's fun to outwit other drivers | .62 | .38 |
| When driving on a highway I normally get passed by more cars than I pass myself | .55 | .30 |
| I like to pass other cars on the highway even if I'm not in a hurry | .69 | .47 |
| It's fun to beat other drivers when taking off from traffic lights | .70 | .48 |
| Driving at high speeds is exciting | .59 | .35 |
| Externality (accounts for 16% of variance) | | |
| Most drivers who have accidents are just unlucky | .40 | .16 |
| Modern highways are so good you don't have to worry about the conditions of the road when you drive | .40 | .16 |
| Internality (accounts for 19% of variance) | | |
| Skill in handling a car is less important to safety than an attitude of carefulness | .19 | .04 |
| Taking chances while driving is just asking for trouble | .64 | .41 |
| The driver who breaks the law should be held responsible for an accident in which they are involved | .52 | .27 |
| It's not reasonable to blame 'conditions' for accidents since it's up to the driver to allow for them | .20 | .04 |

| Driving-related measures cont. | Factor loadings | Communalities (h^2) |
|--|--------------------|-----------------------|
| Inhibition (accounts for 84% of variance) | | |
| When I am feeling annoyed or angry I tend to drive more carefully because I am afraid of losing control of the car | .91 | .83 |
| When I am angry or stressed I make a conscious effort to make sure I drive safely | .94 | .89 |
| I generally become more cautious while driving when I am upset | .90 | .81 |
| Tension reduction (accounts for 69% of variance) | | |
| I find driving a form of relaxation which I use when I feel tense | .87 | .75 |
| During the past few months I have gone driving to 'blow off steam' | .67 | .44 |
| Driving helps me forget about pressures | .79 | .63 |
| When I am upset, driving helps soothe my nerves | .98 | .96 |

^a Factor analysis using Pearson correlations

Table F.4

Factor loadings and communalities for selected measures

| Additional measures | Factor loadings | Communalities (h^2) |
|--|-----------------|-----------------------|
| Mild social deviance (accounts for 41% of variance) | | |
| Ride on public transport without paying a fare | .84 | .71 |
| Park in a 'no standing' zone | .79 | .63 |
| Earn cash payments without paying income tax on them | .77 | .59 |
| Leave a shop with goods that you have not paid for | .77 | .59 |
| Make a fraudulent insurance claim | .55 | .30 |
| Drive the wrong way down a one-way street | .50 | .25 |
| Keep a \$50 note which you have found in the street | .38 | .15 |
| Hit someone who has annoyed or upset you | .49 | .24 |
| Take time off work sick when you have something more interesting to do | .45 | .20 |
| Driving style (accounts for 38% of variance) | | |
| I take risks | .66 | .43 |
| I race other cars | .62 | .39 |
| I cut in and out of the traffic | .74 | .54 |
| I pass other cars | .66 | .43 |
| I get angry with slow drivers | .63 | .40 |
| I like to drive fast | .77 | .60 |
| I obey the road rules | .36 | .13 |
| I swear at other drivers | .40 | .16 |
| I exceed the speed limit | .62 | .38 |
| Excitement seeking (accounts for 31% of variance) | | |
| I often crave excitement. | .79 | .62 |
| I wouldn't enjoy vacationing in Las Vegas. | .16 | .02 |
| I have sometimes done things just for 'kicks' or 'thrills'. | .67 | .45 |
| I tend to avoid movies that are shocking or scary. | .25 | .06 |
| I like to be where the action is. | .81 | .66 |
| I love the excitement of roller coasters. | .57 | .32 |
| I am attracted to bright colours and flashy styles. | .49 | .24 |
| I like being part of the crowd at sporting events. | .33 | .11 |
| Attitudes (accounts for 21% of variance) | | |
| I think it's OK to speed if the traffic conditions allow you to do so. | .56 | .31 |
| It is immoral to drink and drive. | .33 | .11 |
| The risk of dying young in a traffic crash is so low that you can ignore it. | .62 | .38 |
| Most of my friends drive safely. | .14 | .02 |

| Additional measures cont. | Factor loadings | Communalities (h ²) |
|---|--------------------|---------------------------------|
| Attitudes cont. | | |
| I am not likely to be caught by police if committing a traffic offence. | .43 | .19 |
| Hurting someone else with my car would scar me for life. | .64 | .40 |
| I see most traffic hazards when driving. | .31 | .09 |
| I usually keep a sufficient following distance. | .44 | .20 |