

## **CODEBOOK AND FILE GUIDE: Instrument for Fear of Driving (IFD)**

### **File Guide for Materials of the Study on Driving Fear**

There are four files associated with the research project on the “Instrument for Fear of Driving” (IFD).

1. Data Set 1 Instrument for Fear of Driving
2. Data Set 2 Instrument for Fear of Driving
3. SPSS Syntax Instrument for Fear of Driving
4. R Script for CFA Instrument for Fear of Driving

The material above mentioned is provided at PsychArchives and is related to a manuscript on the validation of the IFD. The manuscript consist of two studies, hence the two data sets. Study 1 examines reliability and validity of the IFD (Data Set 1), study 2 examines sensitivity and specificity of the IFD (Data Set 2). The SPSS Syntax incorporates all commands used for the psychometric validation of the IFD, using the software SPSS. The R Script incorporates all commands used for the Confirmatory Factor Analysis, that was done using the software R.

### **Codebook for Materials of the Study on Driving Fear**

The following table displays the variables, the description and translation of the variables, the instrument/questionnaire/source the items belong to and the response labels.

| Data Set 1                     |   |  |                     |
|--------------------------------|---|--|---------------------|
| Variable                       | Description/Translation of Variable   | Instrument/Questionnaire/Source                                    | Response Labels     |
| vp_nr                          | Subject Number  | --   | --                  |
| Diagnose_sap_Interview         | Diagnosis of specific fear of driving phobia  | SKID-I Interview (Structured Clinical Interview for DSM diagnoses) | Yes 1<br>No 0       |
| Diagnose_as_Interview          | Diagnosis of other anxiety disorder (other than specific phobia/fear of driving)          | SKID-I Interview (Structured Clinical Interview for DSM diagnoses) | Yes 1 Yes 1<br>No 0 |
| Diagnose_panik_Interview       | Diagnosis of panic disorder   | SKID-I Interview (Structured Clinical Interview for DSM diagnoses) | Yes 1<br>No 0       |
| Diagnose_panik_agora_Interview | Diagnosis of panic disorder with agoraphobia  | SKID-I Interview (Structured Clinical Interview for DSM diagnoses) | Yes 1<br>No 0       |
| Diagnose_agora_Interview       | Diagnosis of agoraphobia  | SKID-I Interview (Structured Clinical Interview for DSM diagnoses) | Yes 1<br>No 0       |
| Diagnose_soziale_Interview     | Diagnosis of social phobia  | SKID-I Interview (Structured Clinical Interview for DSM diagnoses) | Yes 1<br>No 0       |
| Diagnose_spez_Interview        | Diagnosis of specific phobia (fear of driving)  | SKID-I Interview (Structured Clinical Interview for DSM diagnoses) | Yes 1<br>No 0       |
| Diagnose_GAS_Interview         | Diagnosis of generalized anxiety disorder   | SKID-I Interview (Structured Clinical Interview for DSM diagnoses) | Yes 1<br>No 0       |
| Diagnose_Therapie_1            | Given diagnosis according to therapist treating the individual subject (first diagnosis)  | Diagnosis according to ICD-10                                      | --                  |
| Diagnose_Therapie_2            | Given diagnosis according to therapist treating the individual subject (second diagnosis) | Diagnosis according to ICD-10                                      | --                  |
| Diagnose_Therapie_3            | Given diagnosis according to therapist treating the individual subject (third diagnosis)  | Diagnosis according to ICD-10                                      | --                  |

|                                    |  |                                |   |
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| Diagnose_Therapie_4                | Given diagnosis according to therapist treating the individual subject (fourth diagnosis)  | Diagnosis according to ICD-10  | --  |
| Genutzte_Diagnose_1                | For the statistical analysis used first diagnosis  | Diagnosis according to ICD-10  | --  |
| Genutzte_Diagnose_2                | For the statistical analysis used second diagnosis   | Diagnosis according to ICD-10  | --  |
| Genutzte_Diagnose_3                | For the statistical analysis used third diagnosis  | Diagnosis according to ICD-10  | --  |
| Genutzte_Diagnose_4                | For the statistical analysis used fourth diagnosis   | Diagnosis according to ICD-10  | --  |
| Genutzte_Diagnose_5                | For the statistical analysis used fifth diagnosis  | Diagnosis according to ICD-10  | --  |
| diagnose_subgruppe                 | Categorization of subject to subgroups (specific phobia, other anxiety disorder, no anxiety disorder at all=control group)   | --                             | 1=specific phobia of driving<br>2=anxiety disorder but no specific phobia of driving<br>3=no anxiety disorder and no specific phobia of driving |
| sf_alter                           | Age of subject in years  | --                             | --  |
| sf_geschlecht                      | Sex of subject   | --                             | 1=female<br>2=male  |
| sf_abschluss                       | Level of education of subject  | --                             | --  |
| isap_1 isap_2 isap_3 isap_4 isap_5 | 1. Ich habe Angst vor dem Autofahren.= I am afraid of driving.<br>2. Bei dem Gedanken Auto zu fahren male ich mir aus, was alles passieren könnte.= When I think of driving, I envision what could happen.<br>3. Wenn ich Auto fahre, spüre ich die Angst körperlich (z.B. Herzrasen, Schwitzen, Zittern, Engegefühl in der Brust, muskuläre Anspannung o.ä.)= When I drive, I experience fear | Instrument for Fear of Driving | 0=not at all applicable<br>1=sometimes applicable<br>2=oftentimes applicable<br>3=fully applicable  |

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|  | <p>physically, e.g. racing heartbeat, sweating, shaking, chest tightness, muscle tension etc.</p> <p>4. Ich vermeide das Autofahren.= I avoid driving.</p> <p>5. Meine Angst vor dem Autofahren belastet mich.= My fear of driving is a burden to me.</p> |  |  |
| dcq_1 dcq_2 dcq_3 dcq_4<br>dcq_5 dcq_6 dcq_7 dcq_8<br>dcq_9 dcq_10 dcq_11 dcq_12<br>dcq_13 dcq_14 dcq_15 dcq_16<br>dcq_17 dcq_18 dcq_19 dcq_20 | 20 Items of DCQ   | <p>Driving Cognitions Questionnaire</p> <p>-English version see:<br/> Ehlers, A., Taylor, J., Ehring, T., Hofmann, S. G., Deane, F. P., Roth, W. T., &amp; Podd, J. (2007). The Driving Cognitions Questionnaire: Development and preliminary psychometric properties. <i>Journal of Anxiety Disorders</i>, 21(4), 493–509.</p> <p>-German version see:<br/> Heider, J., Fischer, C., &amp; Schröder, A. (2018). Die deutsche Version des „Driving Cognitions Questionnaire “(DCQ). <i>Zeitschrift Für Klinische Psychologie Und Psychotherapie</i>, 47(1), 36–47.</p> | 0=I never have this thought<br>1=I rarely have this thought<br>2=I have this thought half of the time<br>3=I usually have this thought<br>4=I always have this thought |
| wfa_jahr   | Year of acquisition of driver's license   | --   | --   |
| wfa_alter  | Age at acquisition of driver's license  | --   | --   |
| wfa_lastdrive  | When was the last time you drove a car?   | --   | 1=over a year ago<br>2=more than half a year ago<br>3=more than a month ago<br>4=two to four weeks ago<br>5=within the last week<br>6=today                            |
| wfa_haeufigkeit  | How often do you drive a car?   | --   | 1=more seldom<br>2=at least once a month<br>3=at least once a week   |

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|--------------------|--|--|--|
|                    |  |  | 4=two to three times a week<br>5=daily   |
| wfa_ereignis       | Can you determine the cause for the onset of your fear of driving? | --                                     | --   |
| wfa_kompetenz      | Subjective rating of driving skill                                 | --                                     | 1=very bad<br>2=pretty bad<br>3=average<br>4=pretty good<br>5=very good                                      |
| sample ISAP_gesamt | Total Score of IFD   | --                                     | --   |
|                    |  |  |  |
| <b>Data Set 2</b>  |  |  |  |
| <b>Variable</b>    | <b>Description/Translation of Variable</b>                         | <b>Instrument/Questionnaire/Source</b> | <b>Response Labels</b>   |
| Geschlecht         | Sex of Subject   | --                                     | 1=female<br>2=male   |
| Alter              | Age of Subject   | --                                     | --   |
| Bildungsgrad       | Level of Education   | --                                     | --   |
| Führerschein       | Possession of Driver's License                                     | --                                     | 0=no<br>1=yes  |
| Zpkt Führerschein  | Year of Acquisition of Drivers's License                           | --                                     | --   |
| Fahren             | How often do you drive a car?                                      | --                                     | 1=daily<br>2=multiple times a week<br>3=multiple times a month<br>4=more seldom than once a month<br>5=never |
| AutofahrangstSubj  | Subjective rating of driving fear                                  | --                                     | 1= yes, I am afraid of driving<br>2= sometimes<br>3=no, I am not afraid of driving                           |

|                                       |   |   |  |
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| AutofahrangstZeit                     | For how many months are you afraid of driving?  | --  | --   |
| VermeidungAngst                       | If you don't drive at all, do you avoid driving due to your driving fear?   | --  | 1=yes<br>2=no  |
| VermeidungGrund                       | Please state the reason for not driving:  | --  | --   |
| Teilvermeider                         | Some people only avoid specific driving situations when afraid of driving but they don't avoid driving completely. Is that a description that suits you?  | --  | 1=yes<br>2=no  |
| SitAngst_SQ001-SitAngst_SQ012         | 12 Items assessing specific driving situations: small towns, big cities, roads between two cities with one or two lanes, autobahn/highway, tunnel, bridges, unknown roads, traffic jams, having passengers on the passenger seat or in the back seat, driving in the dark, driving in heavy rainfall, other driving situation   | Parts of the Driving Situations Questionnaire, see: Ehlers, A. [A.], Hofmann, S. G., Herda, C. A., & Roth, W. T. (1994). Clinical characteristics of driving phobia. <i>Journal of Anxiety Disorders</i> , 8(4), 323–339. | 0=not afraid<br>1=afraid   |
| isap_1 isap_2 isap_3 isap_4<br>isap_5 | 1. Ich habe Angst vor dem Autofahren.= I am afraid of driving.<br>2. Bei dem Gedanken Auto zu fahren male ich mir aus, was alles passieren könnte.= When I think of driving, I envision what could happen.<br>3. Wenn ich Auto fahre, spüre ich die Angst körperlich (z.B. Herzrasen, Schwitzen, Zittern, Engegefühl in der Brust, muskuläre Anspannung o.ä.)= When I drive, I experience fear physically, e.g. racing heartbeat, | Instrument for Fear of Driving  | 0=not at all applicable<br>1=sometimes applicable<br>2=oftentimes applicable<br>3=fully applicable |

|  |  |  |  |
|--|--|--|--|
|  | <p>sweating, shaking, chest tightness, muscle tension etc.</p> <p>4. Ich vermeide das Autofahren.= I avoid driving.</p> <p>5. Meine Angst vor dem Autofahren belastet mich.= My fear of driving is a burden to me.</p> |  |  |
| dcq_1 dcq_2 dcq_3 dcq_4<br>dcq_5 dcq_6 dcq_7 dcq_8<br>dcq_9 dcq_10 dcq_11 dcq_12<br>dcq_13 dcq_14 dcq_15 dcq_16<br>dcq_17 dcq_18 dcq_19 dcq_20 | 20 Items of DCQ  | <p>Driving Cognitions Questionnaire</p> <p>-English version see:<br/> Ehlers, A., Taylor, J., Ehring, T., Hofmann, S. G., Deane, F. P., Roth, W. T., &amp; Podd, J. (2007). The Driving Cognitions Questionnaire: Development and preliminary psychometric properties. <i>Journal of Anxiety Disorders</i>, 21(4), 493–509.</p> <p>-German version see:<br/> Heider, J., Fischer, C., &amp; Schröder, A. (2018). Die deutsche Version des „Driving Cognitions Questionnaire“ (DCQ). <i>Zeitschrift Für Klinische Psychologie Und Psychotherapie</i>, 47(1), 36–47.</p> | 0=I never have this thought<br>1=I rarely have this thought<br>2=I have this thought half of the time<br>3=I usually have this thought<br>4=I always have this thought |
| DCQ_Mittel_Panik   | Mean of DCQ-Subscale panic related driving fear cognitions   | DCQ  | --   |
| DCQ_Mittel_Unfall  | Mean of DCQ-Subscale accident related driving fear cognitions  | DCQ  | --   |
| DCQ_Mittel_SozialeSorgen   | Mean of DCQ-Subscale social concerns   | DCQ  | --   |
| DCQ_Mittel_Gesamt  | Mean of DCQ  | DCQ  | --   |
| Unfaelle_SQ001   | Did you experience a car accident when being the driver?   | --   | 0=no<br>1=yes  |
| Unfaelle_SQ002   | Did you experience a car accident when being in the passenger seat?  | --   | 0=no<br>1=yes  |

|                                |  |   |  |
|--------------------------------|--|---|--|
| Unfaelle_SQ003                 | Did you watch a car accident happen?   | --  | 0=no<br>1=yes  |
| Unfaelle_SQ004                 | Did you experience a car accident at all?  | --  | 0=no<br>1=yes  |
| AnzahlUnfaelle                 | How many car accidents did you experience in total?  | --  |  |
| ZeitUnfaelle                   | When did the worst car accident that you experienced so far happen?  | --  | 1=less than a month ago<br>2=one to three months ago<br>3=three to six months ago<br>4=six to twelve months ago<br>5=one to three years ago<br>6=more than three years ago |
| RolleUnfall                    | In which position were you when the car accident happened?   | --  | 1=driver<br>2=passenger seat<br>3=other position<br>4=witness  |
| GeschehnisseUnfall_SQ001-SQ006 | Proceedings during car accident:<br>-I got hurt<br>-someone else got hurt<br>-thought my life was endangered<br>-thought that someone else's life was endangered<br>-I felt helpless<br>-I was very afraid | --  | 0=no<br>1=yes  |
| WHO5_1-5, WHO_Summe            | Wellbeing-index (WHO-5), subjective positive wellbeing in the last two weeks   | Wellbeing-index (WHO-5), see:<br>Löwe, B. (2004). Comparative validity of three screening questionnaires for DSM-IV depressive disorders and physicians' diagnoses. <i>Journal of Affective Disorders</i> , 78(2), 131–140.<br>Newnham, E. A., Hooke, G. R., & Page, A. C. (2010). Monitoring treatment response and outcomes using the World Health Organization's Wellbeing | 0=at no time<br>1=sometimes<br>2=less than half of the time<br>3=more than half of the time<br>4=most of the time<br>5=all of the time                                     |



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|   |   | Index in psychiatric care. <i>Journal of Affective Disorders</i> , 122(1-2), 133–138.  |  |
| ASI_1-18, ASI_Gesamt,<br>ASI_soma_Bedenken,<br>ASI_soiz_Bedenken,<br>ASI_kogn_Bedenken                                      | 18 Items of the Anxiety Sensitivity Index, global ASI score, subscales of physical concerns, social concerns and cognitive concerns   | Anxiety Sensitivity Index, see: Kemper, C. J., Ziegler, M., & Taylor, S. [Steven] (2009). Überprüfung der psychometrischen Qualität der deutschen Version des Angstsensitivitätsindex-3. <i>Diagnostica</i> , 55(4), 223–233.  | 0=not at all<br>1=a little bit<br>2=so and so<br>3=fairly much<br>4=very much  |
| ISR1-ISR4, ISR_Mittelwert   | Four items of anxiety subscale of the ICD-10 symptom rating, mean score of that subscale<br>-panic attacks<br>-physiological sensations during panic<br>-avoidance of panic situations<br>-expectancy of a panic attack | ICD-10 Symptomrating   | 0=not applicable<br>1=rarely applicable<br>2=pretty much applicable<br>3=oftentimes applicable<br>4=fully applicable |
| Risikobereitschaft  | Risk Appetite: Subjective rating of one's risk appetite   | One item scale, see: Beierlein, C., Kovaleva, A., Kemper, C. J., & Rammstedt, B. (2014). <i>Eine Single-Item-Skala zur Erfassung von Risikobereitschaft: Die Kurzskaala Risikobereitschaft-1 (R-1)</i> . <a href="https://doi.org/10.6102/ZIS183">https://doi.org/10.6102/ZIS183</a> | 1=Not at all willing to take risks to<br>7=Very willing to take risks  |
| Impulsiv_1-Impulsiv_8,<br>Impulsiv_Dringlichkeit,<br>Impulsiv_Absicht,<br>Impulsiv_Ausdauer,<br>Impulsiv_Risikobereitschaft | Measuring the subjective rating of one's impulsivity with four facets of impulsive behavior with two items each for urgency, intention, perseverance and risk appetite  | eight-item scale Impulsivity-8 (I-8), see: Kovaleva, A., Beierlein, C., Kemper, C. J., & Rammstedt, B. (2014). <i>Die Skala Impulsives-Verhalten-8 (I-8)</i> . <a href="https://doi.org/10.6102/ZIS183">https://doi.org/10.6102/ZIS183</a>   | 1=doesn't apply at all<br>5=applies completely   |