



Swiss values of travel time savings

A König

Travel Survey Metadata Series

Swiss values of travel time savings

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Abstract

This study was conducted by the Institute of Transport Planning and Systems (IVT), ETH Zurich and Rapp Trans AG, Zurich on behalf of the Swiss Association of Transport Engineers. It implements the recommendation of the scoping study on Swiss value of travel time savings (VTTS) (Abay und Axhausen, 2000) by estimating VTTS for private motorised and public travel by trip purpose on the basis of new stated-choice (SC) surveys. The survey participants were recruited as part of the continuous passenger travel survey (KEP) of the Swiss Federal Railways (SBB). The designs of the SC experiments were tested in two pre-tests. The experiments were customised and were based on one of the trips reported in the KEP survey. The final estimates are derived from a set of complex models, which were carefully developed from a whole series of models. The recommended choice model considers inertia variables, random parameters for travel costs and elasticity parameters of income and distance besides the attributes of the alternatives. The trip purpose specific estimates are obtained by interacting the travel time variable with trip purpose (commuting, shopping and leisure travel). The valuation of travel time savings for business trips was determined by ratios taken from other studies. The values relate to 2003.

Keywords

Values of travel time savings

Preferred citation style

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1.0 Document Description

Citation

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2.0 Study Description

Citation

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Authoring Entity:	A König (Institute for transport planning and systems, ETH Zurich) KW Axhausen (Institute for transport planning and systems, ETH Zurich) G Abay (RappTrans AG)
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Study Scope

Keywords: Values of travel time savings , Passenger travel , Stated Preference Survey , Switzerland , Vereinigung Schweizerische Verkehrsingenieure (SVI) , ETH Zurich , Institute of transport planning (IVT)

Abstract: This study was conducted by the Institute of Transport Planning and Systems (IVT), ETH Zurich and Rapp Trans AG, Zurich on behalf of the Swiss Association of Transport Engineers. It implements the recommendation of the scoping study on Swiss value of travel time savings (VTTS) (Abay und Axhausen, 2000) by estimating VTTS for private motorised and public travel by trip purpose on the basis of new stated-choice (SC) surveys. The survey participants were recruited as part of the continuous passenger travel survey (KEP) of the Swiss Federal Railways (SBB). The designs of the SC experiments were tested in two pre-tests. The experiments were customised and were based on one of the trips reported in the KEP survey. The final estimates are derived from a set of complex models, which were carefully developed from a whole series of models. The recommended choice model considers inertia variables, random parameters for travel costs and elasticity parameters of income and distance besides the attributes of the alternatives. The trip purpose specific estimates are obtained by interacting the travel time variable with trip purpose (commuting, shopping and leisure travel). The valuation of travel time savings for business trips was determined by ratios taken from other studies. The values relate to 2003.

Country: Switzerland

Geographic Coverage: Switzerland

Unit of Analysis: Persons

Universe: Individuals in Switzerland

Methodology and Processing

Time Method: Cross sectional survey

Sampling
Procedure: random sampling

Mode of Data
Collection: Stated Preference Survey, Paper-Pencil Survey, followed by RP-CATI

Sources Statement

Weighting: no weighting necessary.

Other Study Description Materials

Related Publications

Citation

Title: Zeitkostenansätze im Personenverkehr

Holdings
Information: <http://www.ivt.baug.ethz.ch/vrp/ab221.pdf>

Citation

Title: Zeitkostenansätze im Personenverkehr

Holdings
Information: <http://www.ivt.baug.ethz.ch/vrp/ab195.pdf>

3.0 File Description

File: vot_data2.NSDstat

- Number of cases: 15870
- No. of variables per record: 117
- Type of File: NSDstat 200203

4.0 Variable Description

Variable Groups

- [Sociodemographics](#)
- [Household characteristics](#)
- [RP-Data](#)
- [SP-Data](#)
- [Response variables](#)
- [ID Variables](#)
- [Time use and space preferences](#)
- [Dummy variables](#)

Sociodemographics

Variables within *Sociodemographics*

- [person number](#)
- [survey number](#)
- [week of telephone interview](#)
- [week of dispatch](#)
- [week of reply](#)
- [travel time congested alternative a \[min\]](#)
- [age of respondent](#)
- [agecategory](#)
- [male](#)
- [working](#)
- [working status](#)
- [type of education](#)
- [household income before taxes \[chf/year\] mean of classes](#)
- [household income before taxes classes](#)
- [leisure time budget \[h/working day\]](#)
- [number of household members](#)
- [number of vehicles in household](#)
- [vehicle availability](#)
- [ownership of discount ticket \(telephone interview\)](#)
- [ownership of network ticket \(telephone interview\)](#)
- [language of respondent](#)
- [ownership of season ticket \(telephone interview\)](#)
- [ownership of season ticket \(telephone interview\)](#)
- [preferred rail class](#)

Household characteristics

Variables within *Household characteristics*

- [person number](#)

- travel costs alternative a [chf]
- share of congestion, percentage of congested travel time alternative a [%]
- travel time congested alternative a [min]
- type of car 1
- size of engine first car
- year of production first car
- owner first car
- type of car 2
- size of engine second car [ccm]
- year of production first car
- owner second car [-]
- number of network pt tickets in household (=Generalabonnement)
- number of discount tickets in household (=halbtax)
- number of monthly network tickets in household
- number of line related tickets in household
- gasoline consumption of first car [l/100km]

RP-Data

Variables within *RP-Data*

- week of reply
- duration of reply [days]
- chosen alternative
- travel time alternative a [min]
- chosen mode of the reported trip in the SBB-telephone interview
- trip purpose of the reported trip in the SBB-telephone interview
- reported trip distance of the reported trip in the SBB-telephone interview [km]
- measured/estimated travel time by car of the reported trip in the SBB-telephone interview [min]
- measured/estimated travel costs by car of the reported trip in the SBB-telephone interview [chf]
- measured/estimated travel time by pt of the reported trip in the SBB-telephone interview [min]
- measured/estimated number of changes by pt of the reported trip in the SBB-telephone interview [-]
- measured/estimated travel time of the reported trip in the SBB-telephone interview [min]
- measured/estimated trip distance of the reported trip in the SBB-telephone interview [km]
- distance class of the reported trip
- alternative available mode car for that trip
- alternative available mode bus for that trip
- alternative available mode rail for that trip
- alternative available mode else for that trip

- [importance of punctual arrive for that trip](#)
- [assumed travel time for that trip \[min\]](#)
- [buffering time in tt_progn \[min\]](#)
- [travel time actually for that trip \[min\]](#)
- [estimated car travel costs by respondent for that trip \[chf\]](#)
- [person who covers the costs](#)
- [more than hand luggage on that trip](#)
- [frequency of that trip \[days per year\]](#)

SP-Data

Variables within *SP-Data*

- [person number](#)
- [survey number](#)
- [chosen alternative](#)
- [travel time alternative a \[min\]](#)
- [travel costs alternative a \[chf\]](#)
- [share of congestion, percentage of congested travel time alternative a \[%\]](#)
- [travel time congested alternative a \[min\]](#)
- [travel time uncongested alternative a \[min\]](#)
- [headway alternative a \[min\]](#)
- [number of changes mode a \(=car\) =0 \[min\]](#)
- [travel time alternative b \[min\]](#)
- [travel costs alternative b \[chf\]](#)
- [share of congestion, percentage of congested travel time alternative b \[%\]](#)
- [travel time congested alternative b \[min\]](#)
- [travel time uncongested alternative b \[min\]](#)
- [headway alternative b \[min\]](#)
- [number of changes alternative b \[min\]](#)
- [mean distance of presented SP-trips per person](#)

Response variables

Variables within *Response variables*

- [week of telephone interview](#)
- [week of dispatch](#)
- [week of reply](#)
- [duration of reply \[days\]](#)

ID Variables

Variables within *ID Variables*

- [person number](#)
- [survey number](#)

Time use and space preferences

Variables within *Time use and space preferences*

- person number
- travel time alternative a [min]
- travel costs alternative a [chf]
- share of congestion, percentage of congested travel time alternative a [%]
- travel time congested alternative a [min]
- working time at working place [min per working day]
- working time at home [min per working day]
- shopping time [min per working day]
- recreational time [min per working day]
- educational time [min per working day]
- maximum distance from home for shortterm shopping [min]
- maximum distance from home for longterm shopping [min]
- working time on business trips
- how long would this work take at work? [min]
- time benefit use for work [min]
- time benefit use at home [min]
- if you can't work during that business trip, would you do this work at work?
- if you can't work during that business trip, would you do this work during your commuting trip?
- if you can't work during that business trip, would you do this work during your leisure time?
- if you can't work during that business trip, won't you do that work?
- how long would work during that business trip, if the travel time would be reduced by 15 min

Dummy variables

Variables within *Dummy variables*

- survey number
- week of telephone interview
- week of dispatch
- week of reply
- duration of reply [days]
- age <= 25
- age 26 to 45
- age 46 to 70
- age >= 71
- no work
- parttime
- fulltime
- selfemployed

- student
- housemaker
- retiree
- 1 member of HH
- 2 member of HH
- 3 member of HH
- 4 and more member of HH
- vehicle availability dummy
- german
- french
- italian
- car chosen
- bus Tram chosen
- rail chosen
- purpose pendler (commute)
- purpose einkauf (shopping)
- purpose geschäftlich (business)
- purpose freizeit (leisure)

Variables

Variable: person number

Location: *Range of Valid Data Values: 2439 to 84525*

Width: 9 *Variable Format: numeric*

Variable: survey number

Location:	Value	Label	Frequency
Width: 9	1 .	mode choice car bus	
	2 .	mode choice car rail	
	3 .	route choice bus by bus users	
	4 .	route choice car by car drivers	
	5 .	route choice rail by car drivers	
	6 .	route choice rail by rail users	

Range of Valid Data Values: 1 to 6

Variable Format: numeric

Variable: week of telephone interview

Location:	Value	Label	Frequency
Width: 9	22 .		1086
	23 .		420
	24 .		516
	25 .		615
	26 .		1203
	27 .		1038
	28 .		849
	29 .		507
	30 .		450
	31 .		1128
	32 .		993
	33 .		921
	34 .		843
	35 .		861
	36 .		846
	37 .		744
	38 .		1131
	39 .		960
	40 .		759

Range of Valid Data Values: 22 to 40

Summary Statistics:

Variable Format: numeric

Variable: week of dispatch

Location:	Value	Label	Frequency
Width: 9	0 .		2898
	47 .		10860
	49 .		999
	51 .		1113

Range of Valid Data Values: 0 to 51

Summary Statistics:

Variable Format: numeric

Variable: week of reply

Location:	Value	Label	Frequency
Width: 9	0 .		2898
	48 .		2400
	49 .		2475
	50 .		2073
	51 .		1854
	53 .		816
	54 .		1536
	55 .		267
	56 .		1035
	57 .		243
	58 .		273

Range of Valid Data Values: 0 to 58

Summary Statistics:

Variable Format: numeric

Variable: duration of reply [days]

Location:	Value	Label	Frequency
Width: 9	0 .		2898
	9 .		2559
	10 .		486
	11 .		735
	12 .		594
	13 .		369
	14 .		294
	15 .		105
	16 .		552
	17 .		561
	18 .		657
	19 .		387
	20 .		171
	21 .		249
	22 .		42
	23 .		168
	24 .		489
	25 .		207
	26 .		366
	27 .		147
	28 .		72
	29 .		273
	30 .		108
	31 .		24
	32 .		60
	33 .		57
	34 .		42
	35 .		168
	38 .		96

39 .	15
41 .	366
42 .	36
44 .	492
45 .	75
46 .	294
47 .	345
48 .	162
49 .	54
50 .	48
51 .	39
52 .	54
53 .	27
54 .	27
55 .	42
58 .	222
59 .	99
61 .	102
62 .	90
64 .	12
65 .	69
66 .	15
69 .	84
73 .	84
74 .	12
75 .	60
76 .	9

Range of Valid Data Values: 0 to 76

Summary Statistics:

Minimum : 0

Maximum : 76

Mean : 19.729

Standard deviation : 17.566

Variable Format: numeric

Variable: chosen alternative

Location:	Value	Label	Frequency
Width: 9	1 .	alternative 1 chosen	8840
	2 .	alternative 2 chosen	7030

Range of Valid Data Values: 1 to 2

Summary Statistics:

Variable Format: numeric

Variable: travel time alternative a [min]

Location:	Value	Label	Frequency
Width: 9	2 .		31
	3 .		67
	4 .		131
	5 .		479
	6 .		545
	7 .		593
	8 .		595
	9 .		567
	10 .		453
	11 .		386
	12 .		489
	13 .		385
	14 .		440
	15 .		323
	16 .		315
	17 .		405
	18 .		315
	19 .		282
	20 .		348
	21 .		314
	22 .		308
	23 .		318
	24 .		267
	25 .		230
	26 .		247
	27 .		226
	28 .		168
	29 .		216
	30 .		162

31 .	175
32 .	148
33 .	153
34 .	144
35 .	145
36 .	149
37 .	126
38 .	129
39 .	131
40 .	125
41 .	102
42 .	93
43 .	86
44 .	106
45 .	74
46 .	107
47 .	105
48 .	90
49 .	94
50 .	61
51 .	103
52 .	77
53 .	68
54 .	68
55 .	63
56 .	86
57 .	63
58 .	79
59 .	71
60 .	59
61 .	66

62 .	73
63 .	42
64 .	59
65 .	53
66 .	67
67 .	55
68 .	60
69 .	68
70 .	64
71 .	50
72 .	50
73 .	23
74 .	37
75 .	61
76 .	52
77 .	50
78 .	37
79 .	47
80 .	25
81 .	43
82 .	50
83 .	51
84 .	33
85 .	51
86 .	47
87 .	32
88 .	34
89 .	41
90 .	36
91 .	43
92 .	38

93 .	26
94 .	38
95 .	31
96 .	33
97 .	33
98 .	34
99 .	28
100 .	41
101 .	28
102 .	23
103 .	39
104 .	27
105 .	29
106 .	18
107 .	15
108 .	31
109 .	28
110 .	31
111 .	14
112 .	25
113 .	31
114 .	27
115 .	16
116 .	16
117 .	23
118 .	25
119 .	11
120 .	23
121 .	20
122 .	24
123 .	14

124 .	30
125 .	24
126 .	24
127 .	17
128 .	9
129 .	30
130 .	20
131 .	28
132 .	17
133 .	24
134 .	7
135 .	7
136 .	16
137 .	14
138 .	14
139 .	7
140 .	9
141 .	12
142 .	9
143 .	16
144 .	12
145 .	5
146 .	18
147 .	6
148 .	17
149 .	5
150 .	12
151 .	18
152 .	18
153 .	19
154 .	3

155 .	13
156 .	8
157 .	3
158 .	4
159 .	6
160 .	9
161 .	10
162 .	4
163 .	9
164 .	5
165 .	7
166 .	8
167 .	4
168 .	7
169 .	4
170 .	7
171 .	5
172 .	2
173 .	4
174 .	10
175 .	5
176 .	7
177 .	4
178 .	8
179 .	2
180 .	2
181 .	5
182 .	7
183 .	9
184 .	9
185 .	9

186 .	9
187 .	7
188 .	2
189 .	2
190 .	4
191 .	3
192 .	2
193 .	6
194 .	1
195 .	2
196 .	13
197 .	4
198 .	6
199 .	4
200 .	5
202 .	1
203 .	5
204 .	1
205 .	3
206 .	1
207 .	2
208 .	3
209 .	2
210 .	2
211 .	1
212 .	4
213 .	2
215 .	4
216 .	3
217 .	2
218 .	1

220 .	6
221 .	2
222 .	2
224 .	3
225 .	1
226 .	1
227 .	1
228 .	2
229 .	1
231 .	2
232 .	3
236 .	2
238 .	1
239 .	2
242 .	1
243 .	1
245 .	1
246 .	1
251 .	3
253 .	3
254 .	1
256 .	2
257 .	1
258 .	1
259 .	1
266 .	3
267 .	1
269 .	2
270 .	1
271 .	1
274 .	2

275 .	1
280 .	1
281 .	3
284 .	1
286 .	3
289 .	1
307 .	1
310 .	1
314 .	1
327 .	1
339 .	2
344 .	1
354 .	2
389 .	1

Range of Valid Data Values: 2 to 389

Summary Statistics:

Minimum : 2

Maximum : 389

Mean : 38.647

Standard deviation : 40.955

Variable Format: numeric

Variable: travel costs alternative a [chf]

Location:	Value	Label	Frequency
Width: 9	0 .		2
	1 .		977
	2 .		1312
	3 .		920
	4 .		764
	5 .		814
	6 .		759
	7 .		664
	8 .		577
	9 .		563
	10 .		497
	11 .		473
	12 .		405
	13 .		377
	14 .		377
	15 .		290
	16 .		339
	17 .		254
	18 .		269
	19 .		228
	20 .		218
	21 .		229
	22 .		179
	23 .		185
	24 .		152
	25 .		144
	26 .		155
	27 .		119
	28 .		130

29 .	142
30 .	117
31 .	109
32 .	103
33 .	129
34 .	88
35 .	79
36 .	77
37 .	81
38 .	61
39 .	70
40 .	58
41 .	55
42 .	63
43 .	70
44 .	50
45 .	64
46 .	52
47 .	65
48 .	58
49 .	65
50 .	60
51 .	52
52 .	75
53 .	46
54 .	54
55 .	47
56 .	52
57 .	37
58 .	48
59 .	39

60 .	48
61 .	38
62 .	33
63 .	40
64 .	41
65 .	26
66 .	31
67 .	40
68 .	41
69 .	32
70 .	27
71 .	24
72 .	28
73 .	21
74 .	35
75 .	34
76 .	26
77 .	28
78 .	20
79 .	27
80 .	29
81 .	42
82 .	23
83 .	34
84 .	15
85 .	29
86 .	17
87 .	18
88 .	9
89 .	8
90 .	27

91 .	12
92 .	24
93 .	13
94 .	10
95 .	13
96 .	7
97 .	10
98 .	23
99 .	22
100 .	10
101 .	3
102 .	13
103 .	16
104 .	17
105 .	9
106 .	6
107 .	9
108 .	14
109 .	10
110 .	4
111 .	6
112 .	5
113 .	6
114 .	9
115 .	7
116 .	3
117 .	4
118 .	3
119 .	6
120 .	5
121 .	9

122 .	5
123 .	1
124 .	2
125 .	2
126 .	5
127 .	2
128 .	1
130 .	2
131 .	4
132 .	8
133 .	3
134 .	2
135 .	1
136 .	2
138 .	5
139 .	4
141 .	3
143 .	1
144 .	4
145 .	3
146 .	3
147 .	4
148 .	1
150 .	4
151 .	2
152 .	3
153 .	1
154 .	2
155 .	1
156 .	1
157 .	2

159 .	4
160 .	2
161 .	2
163 .	3
164 .	1
165 .	2
167 .	1
172 .	1
173 .	5
174 .	4
180 .	1
181 .	3
188 .	1
189 .	1
198 .	1
200 .	2
201 .	1
206 .	1
210 .	2
214 .	1
220 .	1
223 .	1
234 .	1
240 .	1
245 .	1
247 .	2
256 .	2
267 .	1

Range of Valid Data Values: 0 to 267

Summary Statistics:

Minimum : 0

Maximum : 267

Mean : 20.382

Standard deviation : 25.776

Variable Format: numeric

Variable: share of congestion, percentage of congested travel time alternative a [%]

Location:	Value	Label	Frequency
Width: 9	0 .		10538
	1 .		1054
	2 .		908
	3 .		701
	4 .		484
	5 .		405
	6 .		278
	7 .		229
	8 .		191
	9 .		156
	10 .		97
	11 .		98
	12 .		62
	13 .		83
	14 .		58
	15 .		65
	16 .		44
	17 .		56
	18 .		37
	19 .		37
	20 .		35
	21 .		27
	22 .		16
	23 .		45
	24 .		21
	25 .		17
	26 .		13
	27 .		3
	28 .		7

29 .	16
30 .	8
31 .	17
32 .	9
33 .	15
36 .	4
38 .	17
39 .	5
41 .	1
42 .	1
48 .	4
49 .	3
51 .	3
55 .	2

Range of Valid Data Values: 0 to 55

Summary Statistics:

Minimum : 0

Maximum : 55

Mean : 1.998

Standard deviation : 4.797

Variable Format: numeric

Variable: travel time congested alternative a [min]

Location:	Value	Label	Frequency
Width: 9	0 .		12698
	1 .		1266
	2 .		449
	3 .		269
	4 .		171
	5 .		114
	6 .		78
	7 .		73
	8 .		59
	9 .		61
	10 .		43
	11 .		38
	12 .		41
	13 .		30
	14 .		33
	15 .		42
	16 .		22
	17 .		38
	18 .		17
	19 .		27
	20 .		9
	21 .		21
	22 .		16
	23 .		20
	24 .		13
	25 .		16
	26 .		9
	27 .		9
	28 .		8

29 .	8
30 .	9
31 .	8
32 .	8
33 .	8
34 .	5
35 .	12
36 .	6
37 .	1
38 .	8
39 .	5
40 .	7
41 .	4
42 .	2
43 .	3
44 .	6
45 .	5
46 .	5
47 .	3
48 .	1
49 .	3
51 .	3
52 .	1
53 .	4
54 .	1
55 .	2
56 .	4
57 .	4
58 .	2
59 .	1
60 .	4

61 .	3
63 .	1
64 .	1
65 .	1
66 .	2
67 .	4
69 .	2
73 .	3
74 .	1
75 .	1
79 .	1
80 .	1
83 .	2
84 .	1
93 .	1
94 .	1
96 .	1
97 .	1
101 .	1
102 .	1
108 .	1
110 .	1
113 .	1
121 .	1
128 .	1
138 .	1
157 .	1

Range of Valid Data Values: 0 to 157

Summary Statistics:

Minimum : 0

Maximum : 157

Mean : 1.426

Standard deviation : 6.458

Variable Format: numeric

Variable: travel time uncongested alternative a [min]

Location:	Value	Label	Frequency
Width: 9	0 .		6768
	4 .		39
	5 .		374
	6 .		447
	7 .		412
	8 .		412
	9 .		316
	10 .		240
	11 .		237
	12 .		271
	13 .		242
	14 .		248
	15 .		177
	16 .		240
	17 .		247
	18 .		198
	19 .		170
	20 .		210
	21 .		224
	22 .		236
	23 .		149
	24 .		182
	25 .		135
	26 .		134
	27 .		112
	28 .		122
	29 .		133
	30 .		112
	31 .		84

32 .	88
33 .	103
34 .	87
35 .	107
36 .	92
37 .	65
38 .	64
39 .	85
40 .	74
41 .	49
42 .	58
43 .	36
44 .	66
45 .	45
46 .	53
47 .	50
48 .	39
49 .	41
50 .	36
51 .	36
52 .	59
53 .	47
54 .	40
55 .	38
56 .	49
57 .	31
58 .	39
59 .	34
60 .	32
61 .	42
62 .	39

63 .	32
64 .	29
65 .	32
66 .	32
67 .	20
68 .	40
69 .	34
70 .	40
71 .	24
72 .	31
73 .	17
74 .	24
75 .	25
76 .	24
77 .	38
78 .	24
79 .	25
80 .	14
81 .	19
82 .	19
83 .	13
84 .	23
85 .	25
86 .	20
87 .	21
88 .	21
89 .	11
90 .	19
91 .	17
92 .	19
93 .	16

94 .	12
95 .	12
96 .	21
97 .	14
98 .	15
99 .	21
100 .	13
101 .	8
102 .	8
103 .	15
104 .	11
105 .	11
106 .	13
107 .	8
108 .	21
109 .	7
110 .	11
111 .	7
112 .	13
113 .	12
114 .	10
115 .	8
116 .	2
117 .	5
118 .	16
119 .	4
120 .	9
121 .	3
122 .	8
123 .	6
124 .	4

125 .	7
126 .	11
127 .	5
128 .	3
129 .	8
130 .	4
131 .	9
132 .	7
133 .	4
134 .	6
135 .	1
136 .	1
137 .	3
138 .	9
139 .	3
140 .	2
141 .	6
142 .	2
143 .	2
144 .	1
145 .	2
146 .	8
147 .	3
148 .	4
150 .	1
151 .	9
152 .	5
153 .	6
154 .	1
155 .	5
156 .	3

160 .	3
161 .	3
162 .	2
163 .	3
164 .	1
165 .	2
166 .	1
168 .	2
170 .	3
172 .	1
173 .	1
174 .	1
175 .	1
178 .	4
179 .	1
181 .	1
182 .	1
183 .	4
186 .	2
187 .	2
190 .	2
192 .	1
193 .	1
196 .	3
199 .	2
203 .	2
211 .	1
216 .	1
221 .	1
226 .	1
232 .	1

236 .	1
267 .	1
286 .	1

Range of Valid Data Values: 0 to 286

Summary Statistics:

Minimum : 0

Maximum : 286

Mean : 18.228

Standard deviation : 28.408

Variable Format: numeric

Variable: headway alternative a [min]

Location:	Value	Label	Frequency
Width: 9	0 .		9102
	7 .		497
	15 .		2591
	30 .		2094
	60 .		1586

Range of Valid Data Values: 0 to 60

Summary Statistics:

Variable Format: numeric

Variable: number of changes mode a (=car) =0 [min]

Location:	Value	Label	Frequency
Width: 9	0 .		11550
	1 .		2327
	2 .		1993

Range of Valid Data Values: 0 to 2

Summary Statistics:

Variable Format: numeric

Variable: travel time alternative b [min]

Location:	Value	Label	Frequency
Width: 9	2 .		48
	3 .		167
	4 .		186
	5 .		304
	6 .		370
	7 .		379
	8 .		411
	9 .		458
	10 .		549
	11 .		362
	12 .		452
	13 .		358
	14 .		510
	15 .		269
	16 .		296
	17 .		321
	18 .		323
	19 .		274
	20 .		294
	21 .		217
	22 .		260
	23 .		315
	24 .		240
	25 .		213
	26 .		211
	27 .		196
	28 .		190
	29 .		238
	30 .		205

31 .	192
32 .	212
33 .	139
34 .	180
35 .	171
36 .	146
37 .	131
38 .	154
39 .	128
40 .	111
41 .	145
42 .	112
43 .	147
44 .	102
45 .	103
46 .	123
47 .	100
48 .	98
49 .	92
50 .	108
51 .	82
52 .	84
53 .	81
54 .	98
55 .	78
56 .	95
57 .	96
58 .	81
59 .	86
60 .	61
61 .	61

62 .	85
63 .	62
64 .	58
65 .	82
66 .	55
67 .	58
68 .	76
69 .	44
70 .	55
71 .	59
72 .	47
73 .	42
74 .	49
75 .	50
76 .	50
77 .	63
78 .	54
79 .	56
80 .	34
81 .	43
82 .	42
83 .	41
84 .	42
85 .	56
86 .	45
87 .	36
88 .	39
89 .	38
90 .	43
91 .	41
92 .	31

93 .	28
94 .	45
95 .	52
96 .	23
97 .	45
98 .	39
99 .	31
100 .	37
101 .	42
102 .	45
103 .	34
104 .	35
105 .	28
106 .	27
107 .	31
108 .	30
109 .	42
110 .	45
111 .	21
112 .	23
113 .	36
114 .	28
115 .	26
116 .	22
117 .	18
118 .	29
119 .	22
120 .	14
121 .	28
122 .	32
123 .	21

124 .	23
125 .	22
126 .	14
127 .	37
128 .	14
129 .	21
130 .	23
131 .	27
132 .	12
133 .	13
134 .	16
135 .	9
136 .	33
137 .	26
138 .	24
139 .	16
140 .	18
141 .	17
142 .	11
143 .	20
144 .	18
145 .	10
146 .	17
147 .	15
148 .	11
149 .	10
150 .	7
151 .	15
152 .	13
153 .	3
154 .	12

155 .	12
156 .	17
157 .	14
158 .	11
159 .	5
160 .	14
161 .	10
162 .	13
163 .	4
164 .	11
165 .	8
166 .	19
167 .	18
168 .	15
169 .	9
170 .	7
171 .	3
172 .	11
173 .	7
174 .	13
175 .	11
176 .	16
177 .	16
178 .	4
179 .	7
180 .	2
181 .	3
182 .	7
183 .	4
184 .	7
185 .	11

186 .	8
187 .	9
188 .	8
189 .	7
190 .	5
192 .	7
193 .	9
194 .	5
195 .	6
196 .	13
197 .	3
198 .	4
199 .	4
200 .	1
201 .	1
202 .	6
203 .	3
204 .	3
205 .	8
206 .	1
207 .	1
208 .	6
209 .	4
210 .	2
211 .	6
212 .	2
213 .	1
214 .	3
215 .	4
216 .	6
218 .	2

220 .	3
221 .	6
222 .	2
224 .	3
225 .	1
226 .	4
227 .	2
228 .	1
229 .	1
230 .	1
232 .	7
233 .	2
234 .	2
235 .	1
236 .	3
237 .	3
239 .	2
240 .	1
241 .	2
242 .	1
244 .	2
245 .	4
246 .	1
248 .	5
250 .	1
252 .	1
253 .	4
254 .	1
255 .	1
258 .	5
260 .	2

262 .	1
263 .	4
264 .	1
265 .	1
266 .	3
271 .	1
272 .	1
276 .	2
278 .	1
280 .	1
281 .	3
283 .	2
284 .	1
296 .	2
301 .	1
310 .	1
311 .	1
313 .	1
314 .	1
317 .	1
325 .	2
326 .	1
331 .	1
339 .	1
340 .	1
344 .	2
354 .	2
384 .	1
385 .	2

Range of Valid Data Values: 2 to 385

Summary Statistics:

Minimum : 2

Maximum : 385

Mean : 43.745

Standard deviation : 45.019

Variable Format: numeric

Variable: travel costs alternative b [chf]

Location:	Value	Label	Frequency
Width: 9	0 .		8
	1 .		1179
	2 .		1207
	3 .		737
	4 .		732
	5 .		754
	6 .		834
	7 .		664
	8 .		604
	9 .		592
	10 .		549
	11 .		436
	12 .		428
	13 .		364
	14 .		379
	15 .		266
	16 .		285
	17 .		267
	18 .		253
	19 .		256
	20 .		306
	21 .		205
	22 .		233
	23 .		239
	24 .		180
	25 .		183
	26 .		156
	27 .		153
	28 .		148

29 .	135
30 .	131
31 .	114
32 .	144
33 .	127
34 .	91
35 .	104
36 .	96
37 .	84
38 .	82
39 .	87
40 .	67
41 .	81
42 .	48
43 .	76
44 .	40
45 .	58
46 .	46
47 .	75
48 .	74
49 .	56
50 .	55
51 .	45
52 .	46
53 .	41
54 .	39
55 .	56
56 .	39
57 .	36
58 .	42
59 .	42

60 .	39
61 .	36
62 .	42
63 .	38
64 .	36
65 .	46
66 .	27
67 .	33
68 .	46
69 .	24
70 .	18
71 .	28
72 .	21
73 .	22
74 .	21
75 .	40
76 .	16
77 .	20
78 .	31
79 .	17
80 .	12
81 .	15
82 .	26
83 .	13
84 .	12
85 .	13
86 .	17
87 .	21
88 .	6
89 .	9
90 .	12

91 .	11
92 .	9
93 .	4
94 .	16
95 .	11
96 .	6
97 .	8
98 .	8
99 .	6
100 .	6
101 .	1
102 .	4
103 .	1
104 .	7
105 .	17
106 .	2
107 .	3
108 .	4
109 .	8
110 .	5
111 .	5
112 .	5
113 .	4
114 .	3
115 .	5
116 .	2
117 .	1
119 .	2
120 .	10
121 .	2
122 .	2

123 .	3
124 .	1
125 .	2
126 .	7
128 .	2
129 .	1
130 .	2
132 .	3
133 .	1
134 .	1
135 .	3
136 .	2
138 .	2
139 .	1
143 .	1
145 .	3
147 .	3
150 .	2
151 .	1
154 .	1
155 .	3
156 .	1
158 .	3
163 .	4
165 .	1
167 .	1
172 .	1
175 .	2
178 .	1
179 .	1
180 .	2

181 .	3
182 .	1
184 .	1
188 .	1
189 .	1
196 .	1
198 .	1
199 .	1
233 .	2
235 .	1
240 .	1
246 .	2
259 .	2
268 .	1

Range of Valid Data Values: 0 to 268

Summary Statistics:

Minimum : 0

Maximum : 268

Mean : 18.887

Standard deviation : 22.693

Variable Format: numeric

Variable: share of congestion, percentage of congested travel time alternative b [%]

Location:	Value	Label	Frequency
Width: 9	0 .		13896
	1 .		375
	2 .		328
	3 .		288
	4 .		187
	5 .		181
	6 .		97
	7 .		98
	8 .		60
	9 .		50
	10 .		36
	11 .		43
	12 .		22
	13 .		23
	14 .		21
	15 .		20
	16 .		7
	17 .		23
	18 .		7
	19 .		10
	20 .		8
	21 .		9
	22 .		7
	23 .		21
	24 .		10
	25 .		4
	26 .		4
	27 .		3
	29 .		3

30 .	5
31 .	4
32 .	3
33 .	1
38 .	4
39 .	3
41 .	2
42 .	3
48 .	2
51 .	2

Range of Valid Data Values: 0 to 51

Summary Statistics:

Minimum : 0

Maximum : 51

Mean : 0.708

Standard deviation : 2.943

Variable Format: numeric

Variable: travel time congested alternative b [min]

Location:	Value	Label	Frequency
Width: 9	0 .		14693
	1 .		506
	2 .		204
	3 .		76
	4 .		65
	5 .		43
	6 .		31
	7 .		18
	8 .		22
	9 .		23
	10 .		11
	11 .		9
	12 .		14
	13 .		10
	14 .		8
	15 .		9
	16 .		8
	17 .		4
	18 .		6
	19 .		10
	20 .		3
	21 .		8
	22 .		2
	23 .		2
	24 .		4
	25 .		6
	26 .		4
	27 .		4
	28 .		5

29 .	4
30 .	3
31 .	2
32 .	5
34 .	2
35 .	2
37 .	1
38 .	3
40 .	3
41 .	2
42 .	1
43 .	2
44 .	1
45 .	2
46 .	3
48 .	2
49 .	2
53 .	3
56 .	1
57 .	2
60 .	1
61 .	2
67 .	1
73 .	1
75 .	1
81 .	1
87 .	1
96 .	2
97 .	1
102 .	1
111 .	1

115 .	1
118 .	1
126 .	1

Range of Valid Data Values: 0 to 126

Summary Statistics:

Minimum : 0

Maximum : 126

Mean : 0.488

Standard deviation : 4.028

Variable Format: numeric

Variable: travel time uncongested alternative b [min]

Location:	Value	Label	Frequency
Width: 9	0 .		13032
	4 .		32
	5 .		110
	6 .		139
	7 .		115
	8 .		116
	9 .		93
	10 .		89
	11 .		78
	12 .		109
	13 .		78
	14 .		97
	15 .		52
	16 .		84
	17 .		74
	18 .		76
	19 .		55
	20 .		59
	21 .		55
	22 .		59
	23 .		52
	24 .		61
	25 .		43
	26 .		46
	27 .		40
	28 .		55
	29 .		51
	30 .		54
	31 .		31

32 .	30
33 .	43
34 .	30
35 .	25
36 .	26
37 .	30
38 .	17
39 .	22
40 .	19
41 .	19
42 .	13
43 .	16
44 .	15
45 .	20
46 .	20
47 .	14
48 .	16
49 .	14
50 .	11
51 .	12
52 .	8
53 .	14
54 .	7
55 .	8
56 .	10
57 .	10
58 .	8
59 .	7
60 .	6
61 .	15
62 .	7

63 .	10
64 .	5
65 .	6
66 .	11
67 .	5
68 .	8
69 .	3
70 .	9
71 .	5
72 .	4
73 .	7
74 .	6
75 .	8
76 .	6
77 .	6
78 .	8
79 .	6
80 .	5
81 .	9
82 .	5
83 .	2
84 .	8
85 .	9
86 .	8
87 .	4
88 .	6
89 .	3
90 .	2
91 .	2
92 .	3
93 .	6

94 .	7
95 .	7
96 .	2
97 .	6
98 .	3
99 .	2
100 .	5
101 .	3
102 .	4
103 .	4
105 .	1
106 .	1
107 .	1
108 .	3
109 .	4
110 .	1
111 .	2
112 .	1
113 .	3
114 .	5
115 .	2
116 .	3
117 .	1
119 .	3
120 .	2
121 .	2
122 .	1
123 .	3
124 .	1
125 .	1
126 .	1

127 .	1
128 .	2
129 .	1
130 .	1
131 .	2
132 .	2
134 .	1
135 .	2
136 .	3
137 .	1
139 .	1
141 .	1
143 .	2
146 .	2
148 .	2
151 .	2
152 .	3
158 .	1
159 .	1
160 .	2
162 .	2
163 .	2
165 .	2
166 .	1
171 .	1
172 .	1
177 .	1
185 .	1
187 .	1
189 .	1
193 .	1

197 .	1
199 .	1
211 .	1
222 .	1
226 .	1
276 .	1

Range of Valid Data Values: 0 to 276

Summary Statistics:

Minimum : 0

Maximum : 276

Mean : 5.307

Standard deviation : 16.982

Variable Format: numeric

Variable: headway alternative b [min]

Location:	Value	Label	Frequency
Width: 9	0 .		2838
	7 .		718
	15 .		5440
	30 .		3658
	60 .		3216

Range of Valid Data Values: 0 to 60

Summary Statistics:

Variable Format: numeric

Variable: number of changes alternative b [min]

Location:	Value	Label	Frequency
Width: 9	0 .		7834
	1 .		4214
	2 .		3822

Range of Valid Data Values: 0 to 2

Summary Statistics:

Variable Format: numeric

Variable: age of respondent

Location:	Value	Label	Frequency
Width: 11	15 .		60
	16 .		165
	17 .		123
	18 .		237
	19 .		207
	20 .		174
	21 .		222
	22 .		246
	23 .		165
	24 .		57
	25 .		153
	26 .		111
	27 .		183
	28 .		108
	29 .		225
	30 .		240
	31 .		186
	32 .		192
	33 .		282
	34 .		237
	35 .		336
	36 .		396
	37 .		537
	38 .		444
	39 .		408
	40 .		540
	41 .		351
	42 .		447
	43 .		405

44 .	228
45 .	315
46 .	342
47 .	363
48 .	339
49 .	234
50 .	300
51 .	204
52 .	453
53 .	390
54 .	249
55 .	354
56 .	375
57 .	291
58 .	330
59 .	357
60 .	363
61 .	171
62 .	288
63 .	189
64 .	213
65 .	252
66 .	225
67 .	159
68 .	90
69 .	150
70 .	183
71 .	96
72 .	153
73 .	120
74 .	42

75 .	180
76 .	99
77 .	21
78 .	114
79 .	27
80 .	51
81 .	33
82 .	36
83 .	27
84 .	27

Range of Valid Data Values: 15 to 84

Summary Statistics:

Minimum : 15

Maximum : 84

Mean : 46.03

Standard deviation : 15.567

Variable Format: numeric

Variable: agecategory

Location:	Value	Label	Frequency
Width: 11	1 .		348
	2 .		1461
	3 .		2100
	4 .		4071
	5 .		3228
	6 .		2829
	7 .		1833

Range of Valid Data Values: 1 to 7

Summary Statistics:

Variable Format: numeric

Variable: age <= 25

Location:	Value	Label	Frequency
Width: 9	0 .	no	14061
	1 .	yes	1809

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: age 26 to 45

Location:	Value	Label	Frequency
Width: 9	0 .	no	9699
	1 .	yes	6171

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: age 46 to 70

Location:	Value	Label	Frequency
Width: 9	0 .	no	9006
	1 .	yes	6864

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: age >= 71

Location:	Value	Label	Frequency
Width: 9	0 .	no	14844
	1 .	yes	1026

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: male

Location:	Value	Label	Frequency
Width: 9	0 .	female	6936
	1 .	male	8934

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: working

Location:	Value	Label	Frequency
Width: 11	0 .	no work	4941
	1 .	partime	2667
	2 .	fulltime	7071
	3 .	selfemployed	1191
	4 .	household member helping	0

Range of Valid Data Values: 0 to 3

Summary Statistics:

Variable Format: numeric

Variable: working status

Location:	Value	Label	Frequency
Width: 9	1 .	pupil	0
	2 .	student	906
	3 .	apprentence	276
	4 .	housemaker	1563
	5 .	retiree	2400
	6 .	unemployed	72
	7 .	parttime	2652
	8 .	fulltime	6810
	9 .	selfemployed	1191
	10 .	household member helping	0

Range of Valid Data Values: 2 to 9

Summary Statistics:

Variable Format: numeric

Variable: no work

Location:	Value	Label	Frequency
Width: 9	0 .	no	10929
	1 .	yes	4941

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: parttime

Location:	Value	Label	Frequency
Width: 9	0 .	no	13203
	1 .	yes	2667

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: fulltime

Location:	Value	Label	Frequency
Width: 9	0 .	no	8799
	1 .	yes	7071

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: selfemployed

Location:	Value	Label	Frequency
Width: 9	0 .	no	14679
	1 .	yes	1191

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: student

Location:	Value	Label	Frequency
Width: 9	0 .	no	14688
	1 .	yes	1182

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: housemaker

Location:	Value	Label	Frequency
Width: 9	0 .	no	14307
	1 .	yes	1563

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: retiree

Location:	Value	Label	Frequency
Width: 9	0 .	no	13470
	1 .	yes	2400

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: type of education

Location:	Value	Label	Frequency
Width: 9	0 .	no	0
	1 .	highschool	1290
	2 .	appretanceship	7881
	3 .	college/university	6291
	Sysmiss .		408

Range of Valid Data Values: 1 to 3

Summary Statistics:

Variable Format: numeric

Variable: household income before taxes [chf/year] mean of classes

Location:	Value	Label	Frequency
Width: 9	10000 .		1245
	30000 .		1512
	50000 .		2517
	70000 .		3018
	90000 .		3273
	112500 .		2091
	137500 .		963
	167500 .		1251

Range of Valid Data Values: 10000 to 167500

Summary Statistics:

Variable Format: numeric

Variable: household income before taxes classes

Location:	Value	Label	Frequency
Width: 9	1 .	0 - 20000	1245
	2 .	20000 - 40000	1512
	3 .	40000 - 60000	2517
	4 .	60000 - 80000	3018
	5 .	80000 - 100000	3273
	6 .	100000 - 1250000	2091
	7 .	125000 - 150000	963
	8 .	> 150000	1251

Range of Valid Data Values: 1 to 8

Summary Statistics:

Variable Format: numeric

Variable: leisure time budget [h/working day]

Location:	Value	Label	Frequency
Width: 9	4 .		1191
	6 .		6810
	8 .		276
	9 .		906
	10 .		2652
	16 .		4035

Range of Valid Data Values: 4 to 16

Summary Statistics:

Variable Format: numeric

Variable: number of household members

Location:	Value	Label	Frequency
Width: 9	0 .		873
	1 .		2280
	2 .		4947
	3 .		2334
	4 .		3981
	5 .		1110
	6 .		261
	7 .		54
	8 .		15
	9 .		15

Range of Valid Data Values: 0 to 9

Summary Statistics:

Variable Format: numeric

Variable: 1 member of HH

Location:	Value	Label	Frequency
Width: 9	0 .	no	13590
	1 .	yes	2280

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: 2 member of HH

Location:	Value	Label	Frequency
Width: 9	0 .	no	10923
	1 .	yes	4947

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: 3 member of HH

Location:	Value	Label	Frequency
Width: 9	0 .	no	13536
	1 .	yes	2334

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: 4 and more member of HH

Location:	Value	Label	Frequency
Width: 9	0 .	no	10434
	1 .	yes	5436

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: number of vehicles in household

Location:	Value	Label	Frequency
Width: 9	0 .		1581
	1 .		8493
	2 .		4941
	3 .		675
	4 .		138
	5 .		42

Range of Valid Data Values: 0 to 5

Summary Statistics:

Variable Format: numeric

Variable: vehicle availability

Location:	Value	Label	Frequency
Width: 9	1 .	always	10983
	2 .	sometimes	3126
	3 .	never	1761

Range of Valid Data Values: 1 to 3

Summary Statistics:

Variable Format: numeric

Variable: vehicle availability dummy

Location:	Value	Label	Frequency
Width: 9	0 .	no	4887
	1 .	yes	10983

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: ownership of discount ticket (telephone interview)

Location:	Value	Label	Frequency
Width: 9	0 .	no	8352
	1 .	yes	7518

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: ownership of network ticket (telephone interview)

Location:	Value	Label	Frequency
Width: 9	0 .	no	13989
	1 .	yes	1881

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: language of respondent

Location:	Value	Label	Frequency
Width: 9	1 .	german	13443
	2 .	french	1155
	3 .	italian	1272

Range of Valid Data Values: 1 to 3

Summary Statistics:

Variable Format: numeric

Variable: german

Location:	Value	Label	Frequency
Width: 9	0 .		2427
	1 .		13443

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: french

Location:	Value	Label	Frequency
Width: 9	0 .		14715
	1 .		1155

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: italian

Location:	Value	Label	Frequency
Width: 9	0 .		14598
	1 .		1272

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: chosen mode of the reported trip in the SBB-telephone interview

Location:	Value	Label	Frequency
Width: 9	1 .	car	9111
	2 .	bus, tram	1686
	3 .	rail	5073

Range of Valid Data Values: 1 to 3

Summary Statistics:

Variable Format: numeric

Variable: car chosen

Location:	Value	Label	Frequency
Width: 9	0 .	no	6759
	1 .	yes	9111

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: bus Tram chosen

Location:	Value	Label	Frequency
Width: 9	0 .	no	14184
	1 .	yes	1686

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: rail chosen

Location:	Value	Label	Frequency
Width: 11	0 .	no	10797
	1 .	yes	5073

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: trip purpose of the reported trip in the SBB-telephone interview

Location:	Value	Label	Frequency
Width: 9	1 .	commuting	4731
	2 .	shopping	3024
	3 .	business related	1047
	4 .	leisure	7068

Range of Valid Data Values: 1 to 4

Summary Statistics:

Variable Format: numeric

Variable: purpose pendler (commute)

Location:	Value	Label	Frequency
Width: 9	0 .	no	11139
	1 .	yes	4731

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: purpose einkauf (shopping)

Location:	Value	Label	Frequency
Width: 9	0 .	no	12846
	1 .	yes	3024

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: purpose geschäftlich (business)

Location:	Value	Label	Frequency
Width: 9	0 .	no	14823
	1 .	yes	1047

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: purpose freizeit (leisure)

Location:	Value	Label	Frequency
Width: 9	0 .	no	8802
	1 .	yes	7068

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: reported trip distance of the reported trip in the SBB-telephone interview [km]

Location:	Value	Label	Frequency
Width: 9	3 .		51
	4 .		282
	5 .		192
	6 .		126
	7 .		66
	8 .		162
	9 .		24
	10 .		192
	11 .		12
	12 .		75
	13 .		21
	14 .		12
	15 .		207
	16 .		66
	17 .		30
	18 .		51
	20 .		240
	22 .		24
	23 .		15
	24 .		12
	25 .		153
	28 .		27
	30 .		246
	35 .		96
	40 .		102
	42 .		36
	45 .		78
	46 .		15

50 .	51
53 .	9
60 .	54
62 .	9
65 .	12
67 .	15
70 .	84
72 .	12
75 .	12
79 .	15
80 .	81
81 .	15
86 .	15
87 .	12
88 .	15
89 .	12
90 .	54
95 .	45
100 .	87
110 .	21
120 .	72
127 .	15
130 .	9
140 .	51
150 .	54
160 .	30
170 .	9
175 .	15
185 .	12
200 .	15
220 .	9

250 .	30
270 .	9
300 .	12
Sysmiss .	12285

Range of Valid Data Values: 3 to 300

Summary Statistics:

Minimum : 3

Maximum : 300

Mean : 42.306

Standard deviation : 50.268

Variable Format: numeric

Variable: measured/estimated travel time by car of the reported trip in the SBB-telephone interview [min]

Location:	Value	Label	Frequency
Width: 9	5 .		1137
	6 .		1038
	7 .		384
	8 .		816
	9 .		582
	10 .		492
	11 .		480
	12 .		417
	13 .		252
	14 .		273
	15 .		492
	16 .		345
	17 .		411
	18 .		432
	19 .		393
	20 .		258
	21 .		429
	22 .		213
	23 .		300
	24 .		189
	25 .		135
	26 .		219
	27 .		255
	28 .		183
	29 .		171
	30 .		228
	31 .		201
	32 .		126

33 .	123
34 .	201
35 .	132
36 .	114
37 .	132
38 .	135
39 .	60
40 .	108
41 .	51
42 .	72
43 .	69
44 .	105
45 .	72
46 .	96
47 .	57
48 .	21
49 .	51
50 .	117
51 .	138
52 .	78
53 .	171
54 .	48
55 .	99
56 .	81
57 .	36
58 .	48
59 .	78
61 .	120
62 .	39
63 .	45
64 .	27

65 .	48
66 .	81
67 .	24
68 .	105
69 .	42
70 .	54
71 .	54
72 .	42
73 .	30
74 .	51
75 .	15
76 .	39
77 .	33
78 .	54
79 .	66
80 .	45
81 .	57
82 .	30
83 .	60
84 .	36
85 .	27
86 .	12
87 .	60
89 .	9
90 .	42
91 .	42
92 .	36
93 .	27
94 .	27
96 .	42
97 .	42

98 .	9
99 .	27
100 .	27
101 .	24
103 .	42
104 .	15
105 .	12
106 .	24
107 .	12
108 .	15
109 .	15
111 .	15
112 .	30
113 .	15
114 .	30
115 .	12
116 .	12
117 .	30
118 .	15
119 .	12
120 .	45
121 .	12
123 .	15
124 .	15
125 .	27
126 .	24
127 .	66
131 .	51
132 .	15
133 .	15
134 .	15

141 .	24
146 .	51
151 .	24
152 .	27
153 .	15
155 .	27
162 .	12
166 .	12
170 .	15
193 .	12
196 .	24
205 .	12
220 .	15

Range of Valid Data Values: 5 to 220

Summary Statistics:

Minimum : 5

Maximum : 220

Mean : 32.268

Standard deviation : 33.325

Variable Format: numeric

Variable: measured/estimated travel costs by car of the reported trip in the SBB-telephone interview [chf]

Location:	Value	Label	Frequency
Width: 9	1 .		747
	2 .		1398
	3 .		1113
	4 .		561
	5 .		996
	6 .		738
	7 .		564
	8 .		507
	9 .		555
	10 .		435
	11 .		567
	12 .		282
	13 .		429
	14 .		462
	15 .		285
	16 .		327
	17 .		252
	18 .		270
	19 .		261
	20 .		153
	21 .		126
	22 .		159
	23 .		228
	24 .		105
	25 .		87
	26 .		201
	27 .		114
	28 .		117

29 .	162
30 .	120
31 .	93
32 .	72
33 .	96
34 .	21
35 .	57
36 .	54
37 .	72
38 .	48
39 .	111
40 .	54
41 .	96
42 .	33
43 .	75
44 .	63
45 .	60
46 .	63
47 .	105
48 .	45
49 .	99
50 .	27
51 .	135
52 .	174
53 .	15
54 .	57
55 .	51
56 .	12
57 .	12
58 .	66
59 .	51

60 .	57
61 .	42
62 .	27
64 .	54
66 .	48
67 .	54
68 .	27
69 .	12
70 .	87
71 .	69
72 .	57
73 .	12
74 .	39
75 .	78
76 .	24
77 .	96
78 .	15
79 .	30
80 .	12
81 .	42
82 .	45
83 .	45
84 .	30
87 .	15
90 .	30
92 .	15
93 .	27
94 .	45
95 .	9
97 .	24
98 .	60

99 .	30
100 .	15
102 .	27
103 .	15
104 .	27
105 .	12
106 .	15
107 .	9
111 .	12
114 .	15
115 .	27
119 .	9
120 .	12
124 .	9
126 .	12
134 .	30
139 .	15
143 .	15
144 .	18
145 .	15
151 .	15
165 .	12
184 .	9
200 .	15
223 .	15

Range of Valid Data Values: 1 to 223

Summary Statistics:

Minimum : 1

Maximum : 223

Mean : 22.095

Standard deviation : 27.894

Variable Format: numeric

Variable: measured/estimated travel time by pt of the reported trip in the SBB-telephone interview [min]

Location:	Value	Label	Frequency
Width: 9	3 .		234
	4 .		243
	5 .		285
	6 .		114
	7 .		252
	8 .		465
	9 .		117
	10 .		306
	11 .		285
	12 .		180
	13 .		318
	14 .		177
	15 .		273
	16 .		399
	17 .		315
	18 .		237
	19 .		216
	20 .		249
	21 .		330
	22 .		231
	23 .		171
	24 .		165
	25 .		213
	26 .		279
	27 .		336
	28 .		210
	29 .		183
	30 .		165

31 .	144
32 .	258
33 .	123
34 .	198
35 .	153
36 .	309
37 .	90
38 .	144
39 .	183
40 .	120
41 .	162
42 .	120
43 .	147
44 .	93
45 .	147
46 .	63
47 .	96
48 .	150
49 .	162
50 .	129
51 .	126
52 .	108
53 .	105
54 .	150
55 .	75
56 .	114
57 .	90
58 .	93
59 .	90
60 .	129
61 .	54

62 .	138
63 .	114
64 .	99
65 .	81
66 .	78
67 .	21
68 .	75
69 .	90
70 .	84
71 .	135
72 .	153
73 .	39
74 .	45
75 .	39
76 .	12
77 .	57
78 .	48
79 .	102
81 .	36
82 .	39
83 .	57
84 .	69
85 .	144
86 .	39
87 .	51
88 .	42
89 .	57
90 .	27
91 .	39
92 .	72
93 .	66

94 .	57
95 .	42
96 .	39
97 .	18
98 .	24
99 .	63
101 .	27
102 .	24
103 .	27
104 .	60
105 .	30
106 .	63
107 .	12
108 .	93
109 .	27
110 .	60
111 .	51
112 .	42
113 .	69
114 .	81
115 .	15
116 .	42
117 .	33
118 .	15
119 .	45
120 .	12
121 .	54
122 .	27
124 .	21
126 .	12
127 .	42

128 .	12
130 .	15
131 .	39
133 .	15
134 .	30
135 .	30
136 .	48
137 .	39
138 .	30
139 .	24
140 .	30
141 .	54
143 .	30
144 .	45
145 .	24
146 .	27
149 .	15
151 .	54
153 .	54
156 .	15
158 .	15
160 .	42
161 .	54
162 .	15
163 .	27
164 .	15
168 .	12
170 .	15
171 .	24
172 .	15
173 .	24

174 .	12
176 .	15
178 .	45
180 .	12
183 .	15
184 .	27
186 .	15
188 .	12
189 .	15
193 .	15
194 .	15
195 .	54
196 .	12
197 .	15
198 .	9
199 .	9
202 .	15
205 .	12
208 .	15
210 .	12
211 .	15
215 .	27
219 .	12
221 .	12
232 .	12
236 .	12
240 .	12
244 .	15
272 .	15
276 .	12
295 .	15

296 .	15
299 .	9

Range of Valid Data Values: 3 to 299

Summary Statistics:

Minimum : 3

Maximum : 299

Mean : 52.517

Standard deviation : 48.758

Variable Format: numeric

Variable: measured/estimated number of changes by pt of the reported trip in the SBB-telephone interview [-]

Location:	Value	Label	Frequency
Width: 9	0 .		12075
	1 .		2289
	2 .		987
	3 .		519

Range of Valid Data Values: 0 to 3

Summary Statistics:

Variable Format: numeric

Variable: measured/estimated travel time of the reported trip in the SBB-telephone interview [min]

Location:	Value	Label	Frequency
Width: 9	1 .		309
	2 .		621
	3 .		579
	4 .		678
	5 .		729
	6 .		1170
	7 .		696
	8 .		564
	9 .		819
	10 .		336
	11 .		780
	12 .		264
	13 .		477
	14 .		303
	15 .		423
	16 .		234
	17 .		351
	18 .		357
	19 .		396
	20 .		105
	21 .		393
	22 .		480
	23 .		171
	24 .		264
	25 .		111
	26 .		189
	27 .		198
	28 .		186

29 .	105
30 .	201
31 .	117
32 .	231
33 .	117
34 .	27
35 .	207
36 .	153
37 .	147
38 .	105
39 .	51
40 .	69
41 .	87
42 .	24
43 .	168
44 .	78
45 .	42
46 .	27
47 .	66
48 .	27
49 .	12
50 .	63
51 .	72
52 .	150
53 .	72
54 .	12
55 .	30
56 .	48
57 .	60
58 .	81
59 .	15

60 .	36
61 .	54
62 .	75
63 .	42
64 .	15
65 .	48
66 .	45
67 .	18
68 .	12
69 .	24
70 .	30
71 .	51
72 .	84
74 .	30
75 .	15
77 .	39
78 .	15
79 .	27
81 .	12
83 .	21
84 .	12
87 .	51
88 .	15
90 .	21
91 .	12
93 .	12
99 .	21
102 .	12
104 .	15
105 .	12
107 .	15

110 .	12
115 .	15
120 .	12
126 .	15
134 .	15
140 .	12
150 .	12
167 .	12
172 .	15
259 .	12

Range of Valid Data Values: 1 to 259

Summary Statistics:

Minimum : 1

Maximum : 259

Mean : 20.904

Standard deviation : 22.446

Variable Format: numeric

Variable: measured/estimated trip distance of the reported trip in the SBB-telephone interview [km]

Location:	Value	Label	Frequency
Width: 11	0 .		1686
	3 .		387
	4 .		399
	5 .		420
	6 .		369
	7 .		381
	8 .		342
	9 .		522
	10 .		441
	11 .		354
	12 .		327
	13 .		393
	14 .		195
	15 .		201
	16 .		255
	17 .		261
	18 .		279
	19 .		189
	20 .		201
	21 .		306
	22 .		198
	23 .		225
	24 .		192
	25 .		261
	26 .		159
	27 .		195
	28 .		177
	29 .		198

30 .	114
31 .	201
32 .	84
33 .	201
34 .	129
35 .	69
36 .	69
37 .	129
38 .	81
39 .	126
40 .	150
41 .	51
42 .	99
43 .	51
44 .	87
45 .	81
46 .	81
47 .	102
48 .	132
49 .	48
50 .	24
51 .	81
52 .	57
53 .	57
54 .	141
55 .	36
56 .	54
57 .	57
58 .	84
59 .	39
61 .	45

62 .	75
63 .	42
64 .	9
65 .	75
66 .	48
67 .	33
69 .	57
70 .	27
71 .	15
72 .	12
73 .	66
74 .	42
75 .	45
76 .	57
77 .	48
78 .	27
79 .	36
80 .	57
81 .	39
82 .	30
83 .	51
84 .	42
85 .	39
86 .	30
87 .	39
88 .	45
89 .	69
90 .	45
91 .	42
92 .	27
93 .	30

94 .	39
95 .	36
96 .	27
97 .	12
98 .	36
99 .	39
100 .	45
101 .	9
102 .	57
104 .	24
106 .	66
107 .	30
109 .	48
110 .	57
111 .	27
113 .	39
114 .	12
115 .	30
116 .	54
117 .	45
118 .	30
119 .	12
121 .	24
122 .	12
123 .	57
124 .	15
125 .	30
127 .	27
128 .	9
129 .	39
130 .	9

131 .	24
132 .	24
133 .	27
134 .	12
135 .	66
136 .	27
137 .	15
138 .	9
140 .	15
141 .	36
144 .	42
145 .	15
146 .	15
147 .	42
148 .	12
150 .	15
152 .	45
153 .	21
155 .	39
156 .	15
157 .	12
159 .	15
160 .	24
161 .	15
163 .	15
165 .	9
168 .	30
169 .	15
173 .	15
175 .	15
179 .	15

181 .	15
182 .	15
183 .	12
185 .	27
186 .	15
188 .	15
189 .	30
190 .	9
191 .	21
193 .	30
195 .	12
200 .	30
207 .	15
208 .	27
211 .	15
212 .	12
214 .	15
215 .	15
222 .	15
223 .	45
231 .	9
232 .	12
233 .	12
235 .	12
241 .	15
244 .	12
250 .	9
252 .	15
259 .	9
265 .	15
283 .	15

286 .	15
289 .	12
296 .	15
391 .	30
397 .	9

Range of Valid Data Values: 0 to 397

Summary Statistics:

Minimum : 0

Maximum : 397

Mean : 42.802

Standard deviation : 54.666

Variable Format: numeric

Variable: distance class of the reported trip

Location:	Value	Label	Frequency
Width: 9	1 .	0 - 10 km	2328
	2 .	10 - 50 km	8469
	3 .	> 50 km	5073

Range of Valid Data Values: 1 to 3

Summary Statistics:

Variable Format: numeric

Variable: alternative available mode car for that trip

Location:	Value	Label	Frequency
Width: 9	0 .	no	7266
	1 .	yes	7569
	Sysmiss .		1035

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: alternative available mode bus for that trip

Location:	Value	Label	Frequency
Width: 9	0 .	no	8943
	1 .	yes	5892
	Sysmiss .		1035

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: alternative available mode rail for that trip

Location:	Value	Label	Frequency
Width: 9	0 .	no	7419
	1 .	yes	7416
	Sysmiss .		1035

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: alternative available mode else for that trip

Location:	Value	Label	Frequency
Width: 9	0 .	no	12192
	1 .	yes	2643
	Sysmiss .		1035

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: importance of punctual arrive for that trip

Location:	Value	Label	Frequency
Width: 9	1 .	very important	5295
	2 .	rather important	6612
	3 .	not important	3438
	Sysmiss .		525

Range of Valid Data Values: 1 to 3

Summary Statistics:

Variable Format: numeric

Variable: assumed travel time for that trip [min]

Location:	Value	Label	Frequency
Width: 9	4 .		12
	5 .		240
	6 .		51
	7 .		84
	8 .		54
	10 .		930
	12 .		75
	13 .		12
	14 .		9
	15 .		1509
	16 .		36
	17 .		12
	18 .		42
	20 .		1581
	23 .		30
	25 .		549
	28 .		12
	30 .		2322
	32 .		15
	35 .		321
	38 .		15
	40 .		636
	45 .		894
	50 .		408
	55 .		114
	60 .		1137
	65 .		60
	68 .		15
	70 .		168

75 .	348
80 .	210
85 .	12
90 .	669
95 .	15
100 .	45
105 .	123
110 .	105
115 .	15
120 .	645
127 .	15
130 .	12
135 .	45
140 .	39
150 .	342
155 .	15
160 .	66
165 .	15
170 .	45
180 .	156
195 .	21
210 .	69
220 .	30
225 .	9
240 .	51
250 .	9
270 .	27
300 .	48
330 .	15
340 .	15
360 .	15

Sysmiss . 1281

Range of Valid Data Values: 4 to 360

Summary Statistics:

Minimum : 4

Maximum : 360

Mean : 51.591

Standard deviation : 49.333

Variable Format: numeric

Variable: buffering time in tt_progn [min]

Location:	Value	Label	Frequency
Width: 9	0 .		8112
	1 .		12
	2 .		138
	3 .		219
	4 .		48
	5 .		2295
	6 .		42
	7 .		57
	8 .		42
	10 .		1860
	12 .		15
	14 .		15
	15 .		1230
	16 .		9
	20 .		402
	25 .		48
	30 .		672
	35 .		12
	40 .		12
	45 .		39
	60 .		168
	80 .		15
	Sysmiss .		408

Range of Valid Data Values: 0 to 80

Summary Statistics:

Variable Format: numeric

Variable: travel time actually for that trip [min]

Location:	Value	Label	Frequency
Width: 9	1 .		12
	2 .		12
	4 .		54
	5 .		357
	6 .		159
	7 .		186
	8 .		249
	9 .		126
	10 .		1098
	11 .		12
	12 .		321
	13 .		129
	14 .		90
	15 .		912
	16 .		60
	17 .		111
	18 .		189
	19 .		15
	20 .		1368
	21 .		51
	22 .		96
	23 .		60
	24 .		27
	25 .		1017
	26 .		15
	27 .		48
	28 .		51
	29 .		24
	30 .		984

31 .	9
32 .	24
33 .	36
34 .	15
35 .	510
37 .	36
38 .	30
40 .	675
41 .	15
42 .	60
43 .	12
44 .	9
45 .	540
50 .	549
53 .	30
54 .	12
55 .	285
58 .	42
60 .	762
65 .	126
67 .	12
69 .	9
70 .	306
72 .	15
75 .	231
80 .	138
82 .	9
85 .	96
90 .	348
92 .	15
95 .	93

100 .	165
103 .	15
105 .	87
107 .	15
110 .	90
111 .	15
115 .	9
116 .	15
120 .	309
125 .	27
127 .	15
130 .	36
132 .	12
134 .	9
135 .	39
140 .	42
145 .	12
150 .	138
155 .	15
156 .	15
160 .	57
164 .	12
165 .	60
170 .	45
180 .	93
195 .	24
205 .	15
210 .	75
220 .	9
225 .	24
240 .	33

242 .	15
300 .	24
310 .	9
330 .	15
Sysmiss .	1398

Range of Valid Data Values: 1 to 330

Summary Statistics:

Minimum : 1

Maximum : 330

Mean : 45.167

Standard deviation : 44.427

Variable Format: numeric

Variable: estimated car travel costs by respondent for that trip [chf]

Location:	Value	Label	Frequency
Width: 9	1 .		210
	2 .		603
	3 .		597
	4 .		771
	5 .		1197
	6 .		366
	7 .		450
	8 .		621
	9 .		141
	10 .		1155
	11 .		105
	12 .		423
	13 .		159
	14 .		78
	15 .		702
	16 .		51
	17 .		60
	18 .		177
	19 .		24
	20 .		666
	22 .		27
	24 .		54
	25 .		186
	27 .		15
	28 .		27
	30 .		411
	31 .		15
	32 .		15
	34 .		15

35 .	132
36 .	12
38 .	30
40 .	318
41 .	12
42 .	66
45 .	78
48 .	9
50 .	207
52 .	12
53 .	12
55 .	21
56 .	12
60 .	84
61 .	27
65 .	12
68 .	15
70 .	51
72 .	24
75 .	42
80 .	69
90 .	15
95 .	15
100 .	51
108 .	9
117 .	12
120 .	30
129 .	15
140 .	27
150 .	27
160 .	15

200 .	15
210 .	12
240 .	12
Sysmiss .	5049

Range of Valid Data Values: 1 to 240

Summary Statistics:

Minimum : 1

Maximum : 240

Mean : 17.747

Standard deviation : 24.422

Variable Format: numeric

Variable: person who covers the costs

Location:	Value	Label	Frequency
Width: 9	1 .	respondant	13281
	2 .	company	1134
	3 .	respondant and another person/company	504
	4 .	someone else	342
	Sysmiss .		609

Range of Valid Data Values: 1 to 4

Summary Statistics:

Variable Format: numeric

Variable: more than hand luggage on that trip

Location:	Value	Label	Frequency
Width: 9	0 .		12471
	1 .	no	2991
	2 .	yes	0
	Sysmiss .		408

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: frequency of that trip [days per year]

Location:	Value	Label	Frequency
Width: 9	0 .		126
	12 .		1092
	24 .		1182
	36 .		585
	48 .		138
	52 .		1809
	60 .		72
	72 .		45
	84 .		12
	96 .		9
	104 .		2055
	120 .		12
	132 .		15
	156 .		762
	180 .		27
	208 .		999
	240 .		96
	260 .		3105
	264 .		39
	312 .		249
	364 .		45
	416 .		150
	468 .		48
	520 .		1125
	624 .		39
	728 .		93
	780 .		27
	832 .		12
	936 .		24

1040 .	441
1144 .	27
1352 .	15
1404 .	12
1820 .	30
Sysmiss .	1353

Range of Valid Data Values: 0 to 1820

Summary Statistics:

Minimum : 0

Maximum : 1820

Mean : 210.284

Standard deviation : 236.637

Variable Format: numeric

Variable: working time at working place [min per working day]

Location:	Value	Label	Frequency
Width: 9	0 .		5109
	30 .		48
	45 .		15
	50 .		24
	60 .		252
	90 .		12
	100 .		9
	120 .		207
	125 .		12
	150 .		48
	180 .		159
	185 .		15
	195 .		15
	210 .		27
	240 .		498
	255 .		15
	260 .		12
	270 .		108
	295 .		15
	300 .		411
	310 .		12
	330 .		36
	360 .		513
	390 .		54
	396 .		15
	400 .		24
	420 .		411
	430 .		9
	432 .		12

450 .	90
465 .	21
480 .	1299
485 .	24
486 .	15
490 .	45
491 .	12
492 .	69
493 .	12
495 .	171
500 .	96
504 .	195
505 .	54
510 .	1560
515 .	15
516 .	39
520 .	105
525 .	237
528 .	15
530 .	30
540 .	1869
555 .	54
565 .	12
570 .	201
600 .	699
630 .	69
655 .	15
660 .	72
720 .	114
780 .	12
840 .	36

900 .	48
960 .	36
1020 .	24
Sysmiss .	408

Range of Valid Data Values: 0 to 1020

Summary Statistics:

Minimum : 0

Maximum : 1020

Mean : 306.919

Standard deviation : 248.146

Variable Format: numeric

Variable: working time at home [min per working day]

Location:	Value	Label	Frequency
Width: 9	0 .		11895
	10 .		36
	15 .		42
	20 .		12
	30 .		303
	45 .		15
	50 .		15
	60 .		759
	61 .		12
	75 .		12
	90 .		246
	120 .		681
	126 .		12
	135 .		21
	150 .		141
	153 .		12
	180 .		351
	210 .		15
	240 .		336
	270 .		12
	275 .		15
	300 .		165
	330 .		24
	360 .		81
	420 .		87
	480 .		54
	540 .		57
	600 .		24
	900 .		12

1020 .	15
Sysmiss .	408

Range of Valid Data Values: 0 to 1020

Summary Statistics:

Minimum : 0

Maximum : 1020

Mean : 36.526

Standard deviation : 94.522

Variable Format: numeric

Variable: shopping time [min per working day]

Location:	Value	Label	Frequency
Width: 9	0 .		3804
	1 .		12
	2 .		12
	3 .		42
	5 .		393
	7 .		30
	10 .		1305
	12 .		15
	15 .		1530
	20 .		906
	25 .		51
	30 .		3213
	35 .		12
	40 .		156
	45 .		297
	60 .		2055
	61 .		12
	70 .		39
	75 .		15
	90 .		534
	100 .		15
	105 .		54
	120 .		528
	150 .		69
	180 .		141
	210 .		27
	240 .		39
	255 .		15
	300 .		27

330 .	15
360 .	15
420 .	45
480 .	15
600 .	15
900 .	9
Sysmiss .	408

Range of Valid Data Values: 0 to 900

Summary Statistics:

Minimum : 0

Maximum : 900

Mean : 34.733

Standard deviation : 55.138

Variable Format: numeric

Variable: recreational time [min per working day]

Location:	Value	Label	Frequency
Width: 9	0 .		2565
	2 .		21
	5 .		90
	10 .		381
	12 .		15
	15 .		621
	20 .		573
	25 .		9
	30 .		2460
	35 .		12
	40 .		105
	45 .		138
	50 .		36
	55 .		15
	60 .		2592
	61 .		12
	70 .		15
	75 .		15
	80 .		12
	90 .		849
	100 .		27
	105 .		48
	110 .		21
	120 .		1557
	150 .		204
	180 .		705
	200 .		15
	207 .		12
	210 .		81

240 .	786
255 .	15
270 .	42
300 .	366
330 .	12
360 .	321
390 .	12
420 .	81
465 .	12
480 .	183
510 .	9
540 .	36
600 .	147
660 .	30
720 .	111
780 .	12
840 .	27
900 .	54
Sysmiss .	408

Range of Valid Data Values: 0 to 900

Summary Statistics:

Minimum : 0

Maximum : 900

Mean : 102.396

Standard deviation : 140.61

Variable Format: numeric

Variable: educational time [min per working day]

Location:	Value	Label	Frequency
Width: 9	0 .		9213
	5 .		30
	10 .		273
	15 .		453
	20 .		285
	25 .		12
	30 .		1695
	40 .		12
	45 .		129
	50 .		27
	60 .		1419
	67 .		12
	80 .		9
	90 .		207
	105 .		15
	120 .		540
	150 .		27
	165 .		15
	180 .		114
	210 .		39
	240 .		138
	270 .		15
	300 .		90
	360 .		150
	380 .		15
	420 .		87
	435 .		9
	450 .		9
	480 .		231

485 .	15
510 .	48
540 .	36
570 .	15
600 .	24
720 .	24
840 .	15
900 .	15
Sysmiss .	408

Range of Valid Data Values: 0 to 900

Summary Statistics:

Minimum : 0

Maximum : 900

Mean : 43.839

Standard deviation : 107.815

Variable Format: numeric

Variable: maximum distance from home for shortterm shopping [min]

Location:	Value	Label	Frequency
Width: 9	1 .		27
	2 .		105
	3 .		66
	4 .		15
	5 .		2862
	6 .		15
	7 .		111
	8 .		63
	10 .		5460
	12 .		60
	15 .		3825
	20 .		1080
	25 .		69
	30 .		1140
	Sysmiss .		972

Range of Valid Data Values: 1 to 30

Summary Statistics:

Variable Format: numeric

Variable: maximum distance from home for longterm shopping [min]

Location:	Value	Label	Frequency
Width: 9	1 .		30
	2 .		12
	5 .		147
	6 .		12
	8 .		12
	9 .		15
	10 .		654
	12 .		66
	15 .		1332
	20 .		1482
	25 .		222
	30 .		6177
	35 .		69
	40 .		516
	45 .		756
	50 .		156
	60 .		2529
	70 .		27
	80 .		15
	90 .		186
	100 .		66
	120 .		264
	Sysmiss .		1125

Range of Valid Data Values: 1 to 120

Summary Statistics:

Variable Format: numeric

Variable: type of car 1

Location:	Value	Label	Frequency
Width: 9	.		2364
	.renault .		15
	alfa .		15
	alfa 156 .		12
	alfa rome .		66
	alfa-rome .		9
	alpha .		15
	audi .		156
	audi 100 .		24
	audi 6 cu .		15
	audi 80 .		15
	audi 90 .		12
	audi a3 .		69
	audi a4 .		126
	audi a4 c .		15
	audi a4 t .		24
	audi a6 .		132
	audi a6 a .		12
	audi a6 k .		12
	audi avan .		30
	audi s3 .		12
	audi tt .		12
	audi v8 .		15
	bmw .		69
	bmw 318 .		15
	bmw 318i .		39
	bmw 318ic .		12
	bmw 320i .		27
	bmw 323 c .		12

bmw 323 i .	15
bmw 328i .	15
bmw 3er l .	15
bmw 518i .	12
bmw 525 .	15
bmw cabri .	15
bmw combi .	12
bmw coupe .	15
chevrolet .	66
chrisler .	15
chrysler .	201
citroen .	141
citroen b .	42
citroen c .	30
citroen e .	12
citroen p .	15
citroen x .	72
citroen z .	15
daewoo .	12
daewoo ma .	12
daihatsu .	72
fiat .	93
fiat brav .	57
fiat mare .	24
fiat mult .	12
fiat odys .	12
fiat punt .	84
fiat stil .	15
fiat temp .	24
fiat tipo .	9
fiat uno .	15

ford .	93
ford conc .	15
ford esco .	165
ford expl .	15
ford fies .	90
ford focu .	66
ford gala .	33
ford gall .	9
ford ka .	12
ford komb .	15
ford merc .	12
ford mond .	168
ford puma .	12
ford scor .	12
ford sier .	66
ford skor .	15
ford tran .	30
golf .	90
golf komb .	24
golf sinc .	12
honda .	81
honda acc .	42
honda cin .	15
honda civ .	114
honda reb .	15
hunday ac .	12
hyundai .	42
hyundai a .	30
hyundai m .	15
hyundai s .	39
hyundai t .	15

jaguar .	24
jeep .	30
jeep gran .	21
jetta .	15
justy sub .	15
kia magen .	12
kia sport .	12
klonmarka .	9
lada sama .	12
lancia .	78
lancia de .	15
lancia y .	12
leon .	12
madzda .	15
mazda .	93
mazda 121 .	63
mazda 323 .	75
mazda 626 .	102
mazda dem .	27
mazda yed .	15
mecedes .	42
mercedes .	477
mercedes- .	12
mg zr .	15
mini coop .	12
mitsubish .	450
mondeo .	12
nissan .	51
nissan al .	63
nissan bl .	12
nissan ca .	15

nissan ma .	15
nissan mi .	123
nissan pr .	15
nissan qx .	9
nissan su .	78
nissan va .	12
opel .	117
opel asco .	15
opel astr .	582
opel cali .	12
opel cara .	9
opel comb .	15
opel cors .	255
opel fron .	15
opel kade .	12
opel komb .	12
opel omeg .	129
opel vect .	255
opel vekt .	12
opel xafi .	15
opel zafi .	126
opel zofi .	15
opel-astr .	15
passat .	39
passat di .	15
peugeot .	192
peugeot 1 .	60
peugeot 2 .	96
peugeot 3 .	165
peugeot 4 .	150
peugeot 5 .	12

peugeot 6 .	15
peugeot p .	15
pntiac .	15
pontiac .	36
pontiac t .	15
porsche 9 .	9
postauto .	9
puch maxi .	9
pw ford m .	15
pw subaru .	15
pw vw gol .	12
renault .	198
renault 1 .	36
renault c .	87
renault e .	270
renault k .	15
renault l .	96
renault m .	96
renault n .	15
renault r .	12
renault s .	129
renault t .	39
rover .	15
rover 25 .	27
rover 420 .	12
rover 620 .	15
rover 75 .	15
rover fre .	12
saab .	111
saab 9-5 .	30
saab 9000 .	27

saab 900i .	30
saab 95 a .	15
seat .	15
seat alha .	54
seat aros .	30
seat ibiz .	87
seat inca .	12
seat leon .	27
seat tole .	57
sharan .	12
skoda .	24
skoda fel .	15
skoda oct .	15
skoda oht .	12
skoda okt .	12
smart .	81
subaru .	168
subaru fo .	45
subaru im .	51
subaru ju .	21
subaru le .	222
subaru vi .	12
suzuki .	75
suzuki al .	27
suzuki da .	12
suzuki ig .	15
suzuki sw .	15
toyota .	354
toyota av .	27
toyota bu .	9
toyota ca .	90

toyota ce .	15
toyota co .	381
toyota li .	12
toyota pi .	12
toyota pr .	39
toyota ra .	42
toyota st .	69
toyota ya .	42
twingo .	27
volvo .	144
volvo 240 .	12
volvo 245 .	15
volvo 740 .	24
volvo 750 .	12
volvo 760 .	15
volvo 850 .	39
volvo kom .	15
volvo pol .	15
volvo s40 .	15
volvo v40 .	57
volvo v70 .	36
volvo xcv .	12
vw .	39
vw bora .	12
vw bora t .	12
vw bus .	15
vw caddy .	15
vw golf .	429
vw golf 4 .	15
vw golf c .	24
vw golf i .	15

vw golf s .	27
vw golf v .	39
vw jetta .	27
vw lupo .	27
vw new be .	12
vw passat .	366
vw polo .	216
vw polo v .	12
vw poloc .	15
vw sharan .	27
vw t4 .	27
vw transp .	12
vw valian .	12
vw varian .	24
vw vento .	12
vw-bus .	15
vw-syncro .	12

Summary Statistics:

Variable Format: character

Variable: size of engine first car

Location:	Value	Label	Frequency
Width: 9	1 .	< 1000 ccm	2208
	2 .	1000 - 1500 ccm	7509
	3 .	1500 - 2000 ccm	1593
	4 .	2000 - 2500 ccm	198
	5 .	2500 - 3000 ccm	63
	6 .	> 3000 ccm	9
	Sysmiss .		4290

Range of Valid Data Values: 1 to 6

Summary Statistics:

Variable Format: numeric

Variable: year of production first car

Location:	Value	Label	Frequency
Width: 9	4 .		15
	1975 .		27
	1976 .		9
	1980 .		54
	1981 .		12
	1982 .		30
	1984 .		36
	1985 .		69
	1986 .		96
	1987 .		237
	1988 .		216
	1989 .		387
	1990 .		450
	1991 .		621
	1992 .		726
	1993 .		576
	1994 .		570
	1995 .		843
	1996 .		1101
	1997 .		957
	1998 .		1368
	1999 .		1398
	2000 .		1194
	2001 .		999
	2002 .		975
	Sysmiss .		2904

Range of Valid Data Values: 4 to 2002

Summary Statistics:

Minimum : 4

Maximum : 2002

Mean : 1993.708

Standard deviation : 67.867

Variable Format: numeric

Variable: owner first car

Location:	Value	Label	Frequency
Width: 9	1 .	respondant	9561
	2 .	wife/husband	1965
	3 .	company	717
	4 .	else	1146
	Sysmiss .		2481

Range of Valid Data Values: 1 to 4

Summary Statistics:

Variable Format: numeric

Variable: type of car 2

Location:	Value	Label	Frequency
Width: 7	.		11211
	alfa .		30
	alfa 15 .		15
	alfa ro .		12
	alfarom .		12
	aprilia .		15
	aprilla .		15
	audi .		27
	audi 80 .		21
	audi a3 .		69
	audi a4 .		42
	audi a6 .		15
	audi s4 .		12
	bmw .		66
	bmw 316 .		12
	bmw 320 .		39
	bmw 325 .		15
	bmw 520 .		15
	bmw 525 .		12
	bmw 540 .		12
	bmw s40 .		12
	bmw x5 .		12
	caciva .		15
	chevrol .		12
	chryslle .		60
	citrien .		15
	citroen .		144
	corvett .		12
	daewoo .		36

daihats .	39
derbi .	9
fiat .	24
fiat pu .	51
fiat un .	45
ford .	27
ford es .	27
ford fi .	93
ford fo .	42
ford mo .	30
ford si .	12
golf .	39
honda .	42
honda a .	15
honda c .	45
honda s .	12
honda v .	27
hyundai .	27
hyunday .	15
isuzu t .	12
jaguar .	27
jeep .	15
jeep ch .	15
kavasak .	12
kawasak .	30
kia spo .	12
lancia .	48
lieferw .	27
mazda .	66
mazda 3 .	39
mazda 6 .	24

mazda t .	12
mercede .	213
mitsubi .	201
nissan .	102
omega .	12
opel .	15
opel as .	105
opel co .	201
opel fr .	12
opel ka .	12
opel om .	69
opel re .	12
opel ve .	9
peugeot .	213
polo .	12
pontiac .	27
porsche .	36
range r .	15
renault .	285
roller .	9
rover .	12
rover 2 .	15
saab .	21
saab 90 .	15
seat ar .	15
seat ib .	12
seat to .	15
smart .	99
smart p .	12
subaru .	120
suzuki .	90

toyota .	315
triumph .	12
volkswa .	15
volvo .	39
volvo 3 .	12
volvo 8 .	42
volvo s .	9
volvo v .	15
vw .	27
vw bus .	15
vw golf .	114
vw kaef .	15
vw lt 3 .	12
vw lt35 .	12
vw pass .	90
vw polo .	96
vw shar .	12
vw shor .	15
vw t4 c .	12
vw tran .	12
vw-bus .	15
yamaha .	21
zafira .	12

Summary Statistics:

Variable Format: character

Variable: size of engine second car [ccm]

Location:	Value	Label	Frequency
Width: 9	.		11889
	0.49 .		9
	0.56 .		12
	0.59 .		15
	0.6 .		27
	0.7 .		24
	0.8 .		24
	0.85 .		12
	1 .		63
	1.1 .		120
	1.2 .		279
	1.25 .		66
	1.3 .		198
	1.39 .		15
	1.4 .		267
	1.5 .		102
	1.59 .		15
	1.6 .		513
	1.7 .		12
	1.79 .		12
	1.8 .		372
	1.9 .		84
	1.99 .		12
	2 .		552
	2.1 .		15
	2.2 .		102
	2.3 .		69
	2.31 .		15
	2.4 .		171

2.43 .	15
2.5 .	195
2.7 .	12
2.8 .	102
2.9 .	24
3 .	150
3.2 .	51
3.4 .	12
3.6 .	12
3.8 .	12
4 .	66
4.5 .	12
4.7 .	15
4.9 .	9
5 .	30
5.4 .	15
5.7 .	12
6 .	30
6.5 .	15
7.5 .	15

Summary Statistics:

Variable Format: character

Variable: year of production first car

Location:	Value	Label	Frequency
Width: 9	.		11373
	1933 .		12
	1955 .		15
	1961 .		15
	1962 .		15
	1972 .		15
	1978 .		12
	1981 .		39
	1982 .		12
	1983 .		27
	1984 .		42
	1985 .		42
	1986 .		27
	1987 .		84
	1988 .		78
	1989 .		138
	1990 .		201
	1991 .		150
	1992 .		360
	1993 .		150
	1994 .		237
	1995 .		312
	1996 .		243
	1997 .		327
	1998 .		447
	1999 .		393
	2000 .		414
	2001 .		318
	2002 .		372

Summary Statistics:

Variable Format: character

Variable: owner second car [-]

Location:	Value	Label	Frequency
Width: 9	.		11238
	1 .		1503
	2 .		1962
	3 .		429
	4 .		738

Summary Statistics:

Variable Format: character

Variable: number of network pt tickets in household (=Generalabonnement)

Location:	Value	Label	Frequency
Width: 9	0 .		12324
	1 .		1749
	2 .		903
	3 .		330
	4 .		156
	Sysmiss .		408

Range of Valid Data Values: 0 to 4

Summary Statistics:

Variable Format: numeric

Variable: number of discount tickets in household (=halbtax)

Location:	Value	Label	Frequency
Width: 9	0 .		6042
	1 .		4089
	2 .		4263
	3 .		789
	4 .		279
	Sysmiss .		408

Range of Valid Data Values: 0 to 4

Summary Statistics:

Variable Format: numeric

Variable: number of monthly network tickets in household

Location:	Value	Label	Frequency
Width: 9	0 .		13416
	1 .		1620
	2 .		324
	3 .		87
	4 .		15
	Sysmiss .		408

Range of Valid Data Values: 0 to 4

Summary Statistics:

Variable Format: numeric

Variable: number of line related tickets in household

Location:	Value	Label	Frequency
Width: 9	0 .		11676
	1 .		2430
	2 .		993
	3 .		225
	4 .		138
	Sysmiss .		408

Range of Valid Data Values: 0 to 4

Summary Statistics:

Variable Format: numeric

Variable: working time on business trips

Location:	Value	Label	Frequency
Width: 9	0 .		14436
	1 .		306
	2 .		15
	5 .		54
	8 .		9
	10 .		66
	15 .		87
	20 .		75
	30 .		171
	40 .		30
	50 .		45
	60 .		57
	120 .		15
	150 .		15
	Sysmiss .		489

Range of Valid Data Values: 0 to 150

Summary Statistics:

Variable Format: numeric

Variable: how long would this work take at work? [min]

Location:	Value	Label	Frequency
Width: 9	-15 .		30
	-10 .		42
	-5 .		15
	-2 .		12
	0 .		15006
	10 .		15
	15 .		27
	30 .		30
	60 .		12
	Sysmiss .		681

Range of Valid Data Values: -15 to 60

Summary Statistics:

Variable Format: numeric

Variable: time benefit use for work [min]

Location:	Value	Label	Frequency
Width: 9	0 .		14892
	7 .		15
	10 .		93
	15 .		339
	Sysmiss .		531

Range of Valid Data Values: 0 to 15

Summary Statistics:

Variable Format: numeric

Variable: time benefit use at home [min]

Location:	Value	Label	Frequency
Width: 9	-1 .		123
	0 .		14775
	5 .		93
	8 .		15
	15 .		456
	Sysmiss .		408

Range of Valid Data Values: -1 to 15

Summary Statistics:

Variable Format: numeric

Variable: if you can't work during that business trip, would you do this work at work?

Location:	Value	Label	Frequency
Width: 9	0 .	no	14508
	1 .	yes	804
	Sysmiss .		558

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: if you can't work during that business trip, would you do this work during your commuting trip?

Location:	Value	Label	Frequency
Width: 9	0 .	no	15243
	1 .	yes	69
	Sysmiss .		558

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: if you can't work during that business trip, would you do this work during your leisure time?

Location:	Value	Label	Frequency
Width: 9	0 .	no	14967
	1 .	yes	345
	Sysmiss .		558

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: if you can't work during that business trip, won't you do that work?

Location:	Value	Label	Frequency
Width: 9	0 .	no	15312
	1 .	yes	0
	Sysmiss .		558

Range of Valid Data Values: 0 to 0

Summary Statistics:

Variable Format: numeric

Variable: how long would work during that business trip, if the travel time would be reduced by 15 min

Location:	Value	Label	Frequency
Width: 9	0 .	missing	14436
	5 .		27
	7 .		9
	10 .		144
	15 .		141
	99 .	0 minutes	519
	Sysmiss .		594

Range of Valid Data Values: 0 to 99

Summary Statistics:

Variable Format: numeric

Variable: ownership of season ticket (telephone interview)

Location:	Value	Label	Frequency
Width: 9	0 .	no	15018
	1 .	yes	444
	Sysmiss .		408

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: ownership of season ticket (telephone interview)

Location:	Value	Label	Frequency
Width: 9	0 .	no	14520
	1 .	yes	942
	Sysmiss .		408

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: gasoline consumption of first car [l/100km]

Location:	Value	Label	Frequency
Width: 9	4 .		24
	5 .		318
	6 .		1059
	7 .		1515
	8 .		2856
	9 .		1740
	10 .		1881
	11 .		702
	12 .		504
	13 .		153
	14 .		57
	15 .		90
	17 .		27
	30 .		12
	97 .	no car available	1734
	98 .	don't know	2655
	99 .	no answer	135
	Sysmiss .		408

Range of Valid Data Values: 4 to 99

Summary Statistics:

Variable Format: numeric

Variable: preferred rail class

Location:	Value	Label	Frequency
Width: 9	1 .	frist class	3807
	2 .	second class	11385
	8 .	don't know	243
	9 .	no answer	27
	Sysmiss .		408

Range of Valid Data Values: 1 to 9

Summary Statistics:

Variable Format: numeric

Variable: mean distance of presented SP-trips per person

Location:	Value	Label	Frequency
Width: 9	1 .		9
	2 .		15
	3 .		258
	4 .		249
	5 .		360
	6 .		252
	7 .		345
	8 .		243
	9 .		321
	10 .		309
	11 .		252
	12 .		369
	13 .		234
	14 .		264
	15 .		402
	16 .		195
	17 .		246
	18 .		447
	19 .		207
	20 .		339
	21 .		135
	22 .		225
	23 .		330
	24 .		174
	25 .		276
	26 .		168
	27 .		150
	28 .		246
	29 .		183

30 .	390
31 .	159
32 .	192
33 .	234
34 .	144
35 .	228
36 .	195
37 .	231
38 .	117
39 .	183
40 .	270
41 .	168
42 .	120
43 .	204
44 .	81
45 .	144
46 .	123
47 .	75
48 .	81
49 .	30
50 .	270
51 .	93
52 .	174
53 .	144
54 .	66
55 .	138
56 .	36
57 .	30
58 .	78
59 .	57
60 .	129

61 .	54
62 .	81
63 .	114
64 .	81
65 .	135
67 .	90
68 .	72
69 .	54
70 .	123
71 .	42
72 .	54
73 .	96
74 .	51
75 .	36
76 .	54
77 .	33
78 .	87
79 .	15
80 .	141
81 .	15
82 .	39
83 .	60
84 .	15
85 .	84
86 .	15
87 .	39
88 .	81
90 .	117
91 .	12
92 .	30
93 .	42

94 .	27
95 .	24
96 .	24
97 .	48
98 .	27
99 .	27
100 .	99
101 .	12
102 .	51
103 .	24
104 .	21
105 .	54
107 .	72
108 .	42
109 .	27
110 .	12
111 .	15
112 .	27
113 .	39
114 .	30
115 .	54
117 .	24
119 .	51
120 .	105
121 .	15
122 .	54
123 .	48
124 .	15
125 .	39
126 .	30
127 .	66

128 .	63
129 .	21
130 .	36
132 .	12
133 .	9
134 .	30
135 .	12
137 .	12
138 .	15
140 .	63
141 .	21
142 .	39
143 .	27
147 .	15
148 .	27
149 .	15
150 .	30
153 .	27
155 .	9
156 .	12
157 .	15
160 .	33
161 .	15
169 .	12
170 .	21
173 .	15
178 .	24
180 .	45
188 .	9
196 .	15
200 .	48

202 .	15
207 .	15
208 .	12
218 .	15
222 .	15
225 .	27
235 .	9
240 .	21
250 .	27
300 .	15

Range of Valid Data Values: 1 to 300

Summary Statistics:

Minimum : 1

Maximum : 300

Mean : 46.298

Standard deviation : 43.191

Variable Format: numeric

5.0 Other Study-Related Materials

Label: Estimating tool