Swiss values of travel time savings

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A König

Travel Survey Metadata Series **11**

Institut für Verkehrsplanung und Transportsysteme
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Travel Survey Metadata Series

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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

Title:	Swiss values of travel time savings
Authoring Entity:	A Koenig (IVT, ETH Zurich)
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2.0 Study Description

Citation

Title:	Swiss values of travel time savings
Authoring Entity:	A König (Institute for transport planning and systems, ETH Zurich)
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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-Pencill 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

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 charateristics

Variables within *Household charateristics*

- 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 canges 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 prefernces

Variables within *Time use and space prefernces*

- 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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
0 .		7834
1 .		4214
2 .		3822

Range of Valid Data Values: 0 to 2

Summary Statistics:

Variable Format: numeric

Variable: **age of respondent**

Location:

Width: 11

Value	Label	Frequency
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:

Width: 11

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
0 .	no	9006
1 .	yes	6864

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* age >= 71**

Location:

Width: 9

Value	Label	Frequency
0 .	no	14844
1 .	yes	1026

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* male**

Location:

Width: 9

Value	Label	Frequency
0 .	female	6936
1 .	male	8934

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* working**

Location:

Width: 11

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
0 .	no	10929
1 .	yes	4941

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* parttime**

Location:

Width: 9

Value	Label	Frequency
0 .	no	13203
1 .	yes	2667

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* fulltime**

Location:

Width: 9

Value	Label	Frequency
0 .	no	8799
1 .	yes	7071

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* selfemployed**

Location:

Width: 9

Value	Label	Frequency
0 .	no	14679
1 .	yes	1191

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* student**

Location:

Width: 9

Value	Label	Frequency
0 .	no	14688
1 .	yes	1182

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* housemaker**

Location:

Width: 9

Value	Label	Frequency
0 .	no	14307
1 .	yes	1563

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* retiree**

Location:

Width: 9

Value	Label	Frequency
0 .	no	13470
1 .	yes	2400

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* type of education**

Location:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
0 .	no	13989
1 .	yes	1881

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* language of respondent**

Location:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
0 .		2427
1 .		13443

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* french**

Location:

Width: 9

Value	Label	Frequency
0 .		14715
1 .		1155

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* italian**

Location:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
0 .	no	6759
1 .	yes	9111

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Variable: **bus Tram chosen**

Location:

Width: 9

Value	Label	Frequency
0 .	no	14184
1 .	yes	1686

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* rail chosen**

Location:

Width: 11

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
0 .	no	11139
1 .	yes	4731

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* purpose einkauf (shopping)**

Location:

Width: 9

Value	Label	Frequency
0 .	no	12846
1 .	yes	3024

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* purpose geschäftlich (business)**

Location:

Width: 9

Value	Label	Frequency
0 .	no	14823
1 .	yes	1047

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

***Variable:* purpose freizeit (leisure)**

Location:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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 canges by pt of the reported trip in the SBB-telephone interview [-]**

Location:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 11

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
.		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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 7

Value	Label	Frequency
.		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
chrysle .		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:

Width: 9

Value	Label	Frequency
.		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:

Width: 9

Value	Label	Frequency
.		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:

Width: 9

Value	Label	Frequency
.		11238
1 .		1503
2 .		1962
3 .		429
4 .		738

Summary Statistics:

Variable Format: character

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

Location:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
-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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
-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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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:

Width: 9

Value	Label	Frequency
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