
KITE - A Knowledge Base for Intermodal Passenger Travel in Europe

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Travel Survey Metadata Series

31
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Abstract

Travel behaviour surveys have to win and then maintain the cooperation of respondents from the first to the last contact with them. While not excessively demanding, they do require respondents to engage in a task with a highly variable response burden. This is due to the varying number of journeys undertaken during the reporting period. For long distance travel this can range from zero to dozens of journeys in a typical eight week reporting period. The details about each journey are also substantial (duration, timing, mode, costs, (route) of each stage, i.e. vehicle used), so that respondents have to be conscientious. The specific challenge of long-distance travel surveys is therefore to find a balance between the need to capture the correct number of all such journeys, while obtaining detailed information for at least some of them. In the Framework of the KITE Project (A Knowledge Base for Intermodal Passenger Travel in Europe) a new survey methodology based on the MEST (Methods for European Surveys of Travel Behaviour) and INVERMO (Intermodale Vernetzung) approaches has been developed which contains a journey roster with basic descriptions of long distance journeys and a stage form for the detailed information about the last previous three long distance journeys. During the November 2008 and February 2009 3399 persons were surveyed with two different protocols. The first protocol was used in Switzerland and Portugal and consists of a full CATI for the long-distance travel survey and a written part for the SP questionnaire. In Czech republic the same survey was carried out as face-to-face interviews.

Keywords

travel behaviour survey

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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Study Scope

Keywords: travel behaviour survey , long-distance travel

Topic Classification: long-distance travel

Abstract: Travel behaviour surveys have to win and then maintain the cooperation of respondents from the first to the last contact with them. While not excessively demanding, they do require respondents to engage in a task with a highly variable response burden. This is due to the varying number of journeys undertaken during the reporting period. For long distance travel this can range from zero to dozens of journeys in a typical eight week reporting period. The details about each journey are also substantial (duration, timing, mode, costs, (route) of each stage, i.e. vehicle used), so that respondents have to be conscientious. The specific challenge of long-distance travel surveys is therefore to find a balance between the need to capture the correct number of all such journeys, while obtaining detailed information for at least some of them. In the Framework of the KITE Project (A Knowledge Base for Intermodal Passenger Travel in Europe) a new survey methodology based on the MEST (Methods for European Surveys of Travel Behaviour) and INVERMO (Intermodale Vernetzung) approaches has been developed which contains a journey roster with basic descriptions of long distance journeys and a stage form for the detailed information about the last previous three long distance journeys. During the November 2008 and February 2009 3399 persons were surveyed with two different protocols. The first protocol was used in Switzerland and Portugal and consists of a full CATI for the long-distance travel survey and a written part for the SP questionnaire. In Czech republic the same survey was carried out as face-to-face interviews.

Country: Switzerland , Czech Republic , Portugal

Geographic Coverage: Random sample of the whole population in the three surveyed countries. In Switzerland only the French and German speaking part.

Unit of Analysis: Household and Person

Universe: Persons 15 years and older

Methodology and Processing

Time Method: November 2008 and February 2009 Retrospective the last 8 weeks

Sampling Procedure: Random sample for Switzerland and Portugal Quota sample for the Czech Republic

Mode of Data Collection: CATI and postal in Switzerland and Portugal Face-to-face interviews in the Czech Republic

Sources Statement

3.0 File Description

File: KITE.NSDstat

- Number of cases: 3542
- No. of variables per record: 33
- Type of File: NSDstat 200501

4.0 Variable Description

Variable Groups

- [Household](#)
- [Person](#)
- [Journey roster](#)
- [Vehicles](#)
- [Regular trips](#)
- [non-regular journeys](#)
- [SP-Dataset](#)

Household

Variables within *Household*

- [countrycode](#)
- [ID Person](#)
- [Presence of a disability affecting travel](#)
- [Type of disability](#)
- [Highest education level CH](#)
- [Highest education level CZ](#)
- [Highest education level PT](#)
- [Employment status](#)
- [Number of paid working hours/week](#)
- [Job title](#)
- [Ownership of frequent flyer card of an airline](#)
- [Ownership of a railway discount card](#)
- [Ownership of a drivers license](#)
- [Car availability](#)
- [Languages able to speak](#)
- [Age](#)
- [Gender](#)

Person

Variables within *Person*

- [countrycode](#)
- [ID Person](#)
- [What is the type of accommodation of this residence?](#)
- [Ownership of accommodation](#)
- [Internet access](#)
- [Number of cars and vans owned](#)
- [Number of motorcycles](#)
- [Number of further vehicles](#)
- [Existence and locations of second residence](#)
- [Number of visits to other residences in the last 6 months](#)
- [Household Income](#)
- [Household Income](#)
- [Household Income](#)
- [Age](#)
- [Gender](#)

- [Number of household members](#)

Journey roster

Variables within *Journey roster*

- [countrycode](#)
- [ID Person](#)
- [What is the type of accommodation of this residence?](#)
- [Number of journeys the last 8 weeks](#)
- [Number of non regular journeys the last 8 weeks of regular travelers](#)
- [Regular journeys the last 8 weeks](#)
- [Number of regular journeys the last 8 weeks](#)

Variables

Variable: countrycode

Location:	Value	Label	Frequency
Width: 8	1 .	Switzerland	1011
	2 .	Czech Republic	1274
	3 .	Portugal	1257

Range of Valid Data Values: 1 to 3

Summary Statistics:

Variable Format: numeric

Variable: ID Person

Location: *Range of Valid Data Values: 1 to 130215*

Width: 8

Summary Statistics:

Minimum : 1

Maximum : 130215

Mean : 30932.631

Standard deviation : 41689.824

Variable Format: numeric

Variable: What is the type of accommodation of this residence?

Location:	Value	Label	Frequency
Width: 8	1 .	House	1427
	2 .	High-rise flat	889
	3 .	Terrace	260
	4 .	Bedsit	19
	5 .	Flat	793
	6 .	Other	9
	9998 .	don't want to say	6
	9999 .	don't know	139

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Ownership of accommodation

Location:	Value	Label	Frequency
Width: 8	1 .	Own	2208
	2 .	Rented	910
	3 .	Sublet	135
	9998 .	don't want to say	12
	9999 .	don't know	276
	Sysmiss .		1

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Internet access

Location:	Value	Label	Frequency
Width: 8	1 .	none	1181
	2 .	Dial-Up / ISDN	314
	3 .	TV Cable	569
	4 .	ADSL	1059
	5 .	(W)LAN	215
	9998 .	don't want to say	81
	9999 .	don't know	122
	Sysmiss .		1

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

***Variable:* Number of cars and vans owned**

Location: *Range of Valid Data Values: 0 to 9999*

Width: 8 **Summary Statistics:**

Minimum : 0

Maximum : 9999

Mean : 15.271

Standard deviation : 375.47

Variable Format: numeric

Variable: Number of motorcycles

Location: *Range of Valid Data Values: 0 to 9999*

Width: 8 **Summary Statistics:**

Minimum : 0

Maximum : 9999

Mean : 104.568

Standard deviation : 1016.872

Variable Format: numeric

Variable: Number of further vehicles

Location: *Range of Valid Data Values: 0 to 9999*

Width: 8 **Summary Statistics:**

Minimum : 0

Maximum : 9999

Mean : 98.931

Standard deviation : 989.288

Variable Format: numeric

***Variable:* Existence and locations of second residence**

Location:	Value	Label	Frequency
Width: 8	1 .		3253
	2 .		289

Summary Statistics:

Variable Format: character

Variable: Number of visits to other residences in the last 6 months

Location:	Value	Label	Frequency
Width: 8	0 .		863
	1 .		26
	2 .		23
	3 .		14
	4 .		3
	5 .		5
	6 .		17
	7 .		1
	8 .		4
	9 .		1
	10 .		12
	11 .		1
	12 .		10
	13 .		2
	15 .		4
	16 .		1
	17 .		1
	20 .		9
	22 .		1
	24 .		15
	25 .		5
	27 .		1
	30 .		8
	36 .		1
	40 .		1
	48 .		1
	50 .		3
	52 .		1
	60 .		1
	70 .		2
	90 .		1
	98 .		1
	99 .		10

100 .		2
120 .		3
150 .		1
365 .		1
998 .	don't know	0
999 .	no answer	0
9998 .		5
9999 .		9
Sysmiss .		2472

Range of Valid Data Values: 0 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Household Income

Location:	Value	Label	Frequency
Width: 8	1 .	Below 2000 CHF	20
	2 .	2001 to 4000 CHF	91
	3 .	4001 to 6000 CHF	168
	4 .	6001 to 8000 CHF	189
	5 .	8001 to 10000 CHF	113
	6 .	10001 to 12000 CHF	82
	7 .	12001 to 14000 CHF	33
	8 .	14000 CHF and more	0
	9998 .	don't want to say	213
	9999 .	don't know	102
	Sysmiss .		2531

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Household Income

Location:	Value	Label	Frequency
Width: 8	1 .	Below 500 Euros	91
	2 .	501 to 800 Euros	184
	3 .	801 to 1400 Euros	275
	4 .	1401 to 2000 Euros	174
	5 .	2001 to 3000 Euros	110
	6 .	3000 Euros or more	67
	9998 .	don't want to say	151
	9999 .	don't know	170
	Sysmiss .		2320

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Household Income

Location:	Value	Label	Frequency
Width: 8	1 .	Below 9000 Euros	18
	2 .	9001 to 13000 Euros	49
	3 .	13001 to 15500 Euros	32
	4 .	15501 to 18000 Euros	80
	5 .	18001 to 23000 Euros	155
	6 .	23001 to 29000 Euros	169
	7 .	29001 to 35000 Euros	163
	8 .	35001 to 45000 Euros	139
	9 .	45001 to 55000 Euros	43
	10 .	55001 Euros and More	34
	11 .	don't want to say	303
	12 .	don't know	88
	Sysmiss .		2269

Range of Valid Data Values: 1 to 12

Summary Statistics:

Variable Format: numeric

Variable: Presence of a disability affecting travel

Location:	Value	Label	Frequency
Width: 8	1 .	no	3366
	2 .	yes	160
	9998 .	don't want to say	11
	9999 .	don't know	4
	Sysmiss .		1

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

***Variable:* Type of disability**

Location: **Summary Statistics:**

Width: 8 *Variable Format:* character

Variable: Highest education level CH

Location:	Value	Label	Frequency
Width: 8	1 .	No education	31
	2 .	Obligatory school	123
	3 .	Professional honor	414
	4 .	Vocational school	43
	5 .	University entrance level	59
	6 .	Higher education	82
	7 .	Technical college	97
	8 .	University	123
	99 .	don't know	7
	9998 .	don't want to say	0
	9999 .	don't know	0
	Sysmiss .		2563

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Highest education level CZ

Location:	Value	Label	Frequency
Width: 8	1 .	No education	3
	2 .	Obligatory school	251
	3 .	University entrance level	435
	4 .	professional honor	443
	5 .	higher education	13
	6 .	University	126
	9 .		2
	Sysmiss .		2269

Range of Valid Data Values: 1 to 9

Summary Statistics:

Variable Format: numeric

Variable: Highest education level PT

Location:	Value	Label	Frequency
Width: 8	1 .	No formal education/cannot read or write	30
	2 .	Some of elementary school	296
	3 .	Completed elementary school	263
	4 .	Some of High/Secondary School	347
	5 .	Completed High/Secondary School [Qualification for College/U	33
	6 .	Some of college university	24
	7 .	Completed university or equivalent/ University Degree/Diplom	200
	8 .	Post Graduate Degree	33
	9 .	Professional honor	0
	9998 .	don't want to say	27
	9999 .	don't know	4
	Sysmiss .		2285

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Employment status

Location:	Value	Label	Frequency
Width: 8	1 .	full time	1970
	2 .	part time	984
	3 .	no	542
	9998 .	don't know	24
	9999 .	don't want to say	21
	Sysmiss .		1

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Number of paid working hours/week

Location: *Range of Valid Data Values: 0 to 100*

Width: 8 **Summary Statistics:**

Minimum : 0

Maximum : 100

Mean : 39.834

Standard deviation : 14.853

Variable Format: numeric

Variable: Job title

Location:	Value	Label	Frequency
Width: 8	1 .	independent, one man	763
	2 .	independent	162
	3 .	independent, family	246
	4 .	apprentice	46
	5 .	own corporation	77
	6 .	employee, director position	134
	7 .	employee, average position	332
	8 .	employee	888
	9 .	other	29
	9998 .	don't know	22
	9999 .	no answer	4
	Sysmiss .		839

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Ownership of frequent flyer card of an airline

Location:	Value	Label	Frequency
Width: 8	1 .	No	3396
	2 .	Yes	140
	9998 .	don't want to say	4
	9999 .	don't know	1
	Sysmiss .		1

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Ownership of a railway discount card

Location:	Value	Label	Frequency
Width: 8	1 .	No	2776
	2 .	Yes	761
	9998 .	don't want to say	1
	9999 .	don't know	3
	Sysmiss .		1

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Ownership of a drivers license

Location:	Value	Label	Frequency
Width: 8	1 .	No	830
	2 .	Yes	2709
	9998 .	don't want to say	2
	9999 .	don't know	0
	Sysmiss .		1

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Car availability

Location:	Value	Label	Frequency
Width: 8	1 .	always	2409
	2 .	sometimes	239
	3 .	never	675
	9998 .	don't know	3
	9999 .	no answer	1
	Sysmiss .		215

Range of Valid Data Values: 1 to 9999

Summary Statistics:

Variable Format: numeric

Variable: Languages able to speak

Location:	Value	Label	Frequency
Width: 8	01 .	German	173
	0102 .		44
	010203 .		13
	01020304 .		25
	01020305 .		1
	01020390 .		2
	010204 .		89
	01020403 .		22
	01020405 .		13
	01020406 .		1
	01020407 .		2
	01020409 .		1
	01020490 .		2
	01020504 .		3
	010208 .		1
	01020804 .		1
	010209 .		1
	010210 .		2
	0103 .		19
	010302 .		4
	01030204 .		13
	01030205 .		1
	010304 .		10
	01030402 .		6
	01030405 .		1
	010305 .		1
	01030502 .		1
	01039002 .		1
	0104 .		100
	010402 .		53
	01040203 .		13
	01040205 .		7
	01040209 .		1

01040290 .	3
010403 .	10
01040302 .	3
01040305 .	1
01040309 .	1
010405 .	5
01040502 .	1
01040503 .	1
01040509 .	1
010407 .	1
01040809 .	1
010490 .	7
01049003 .	1
0105 .	4
010502 .	1
010503 .	2
01050302 .	1
01050408 .	1
010506 .	3
0106 .	1
01060203 .	1
01060204 .	1
01060305 .	1
01060402 .	1
010605 .	2
010698 .	1
0107 .	3
010703 .	1
01070490 .	1
010790 .	1
0108 .	3
01080204 .	1
01080304 .	1
01080309 .	1
010804 .	1

010809 .		2
01080902 .		1
01080903 .		1
0109 .		4
01090203 .		1
01090204 .		2
01090304 .		1
0110 .		182
011098 .		8
01110310 .		1
011110 .		75
01111098 .		2
0190 .		6
01900203 .		1
01900204 .		4
019003 .		1
01900302 .		3
019004 .		1
01900402 .		1
02 .	French	68
0201 .		25
020103 .		2
02010304 .		2
020104 .		24
02010403 .		1
02010405 .		4
020105 .		1
0203 .		20
020301 .		1
02030104 .		2
020304 .		3
02030401 .		2
02030405 .		1
020305 .		1
02030501 .		2

02030504 .		1
0204 .		22
020401 .		18
02040103 .		3
020403 .		2
02040301 .		4
020405 .		2
02040501 .		2
02040503 .		2
020490 .		2
0205 .		3
020503 .		1
020504 .		3
0206 .		9
020604 .		2
02060405 .		1
02060503 .		1
0209 .		1
0210 .		2
021110 .		5
0290 .		3
029001 .		1
03 .	Italian	0
0301 .		4
030102 .		1
030109 .		1
0302 .		2
030205 .		1
03050102 .		1
03060105 .		1
0310 .		2
04 .	English	1
0401 .		7
040102 .		2
04010203 .		1

04010205 .	1
04010210 .	8
04010211 .	2
04010290 .	1
04010310 .	1
04010506 .	9
04010510 .	3
040106 .	2
040110 .	96
04011098 .	3
04011110 .	39
0402 .	1
040201 .	3
04020103 .	1
04020301 .	1
04020310 .	1
040205 .	1
040210 .	7
04021098 .	1
04021110 .	2
04030501 .	1
040310 .	1
04031098 .	1
040506 .	61
04050698 .	15
040510 .	2
040598 .	1
0406 .	27
040698 .	6
0410 .	165
041098 .	7
04110310 .	1
04110510 .	2
041110 .	54
04111098 .	2

0490 .		1
05 .	Spanish	2
05020301 .		1
0506 .		120
050698 .		27
0598 .		1
06 .	Portuguese	945
0602 .		2
0698 .		32
07 .	Turkish	0
0701 .		1
08 .	Alabanian	0
08010309 .		1
09 .	Serbo-Croatian	0
0901 .		2
090103 .		1
09020104 .		1
10 .	Czech	285
1098 .		131
11 .	Russian	0
110310 .		1
1110 .		168
111098 .		12
9001 .		1
900103 .		1
900104 .		1
98 .		3
99 .		6

Summary Statistics:

Variable Format: character

Variable: Age

Location: *Range of Valid Data Values: 15 to 90*

Width: 8 *Range of Invalid Data Values: 999999989997*

Summary Statistics:

Minimum : 15

Maximum : 91

Mean : 43.921

Standard deviation : 15.83

Variable Format: numeric

Variable: Gender

Location:	Value	Label	Frequency
Width: 8	1 .	male	1701
	2 .	female	1840
	Sysmiss .		1

Range of Valid Data Values: 1 to 2

Summary Statistics:

Variable Format: numeric

Variable: Number of household members

Location:	Value	Label	Frequency
Width: 8	0 .		21
	1 .		484
	2 .		1044
	3 .		820
	4 .		800
	5 .		244
	6 .		51
	7 .		24
	8 .		7
	9 .		1
	12 .		1
	9998 .	don't know	31
	9999 .	don't want to say	13
	Sysmiss .		1

Range of Valid Data Values: 0 to 9999

Summary Statistics:

Minimum : 0

Maximum : 9999

Variable Format: numeric

***Variable:* Number of journeys the last 8 weeks**

Location: *Range of Valid Data Values:* 0 to 60

Width: 8 **Summary Statistics:**

Minimum : 0

Maximum : 60

Mean : 1.936

Standard deviation : 4.829

Variable Format: numeric

Variable: Number of non regular journeys the last 8 weeks of regular travelers

Location: *Range of Valid Data Values: 0 to 40*

Width: 8 **Summary Statistics:**

Minimum : 0

Maximum : 40

Mean : 0.704

Standard deviation : 1.654

Variable Format: numeric

Variable: Regular journeys the last 8 weeks

Location:	Value	Label	Frequency
Width: 8	1 .	no	2670
	2 .	yes	872

Range of Valid Data Values: 1 to 2

Summary Statistics:

Variable Format: numeric

Variable: Number of regular journeys the last 8 weeks

Location: *Range of Valid Data Values: 0 to 90*

Width: 8

Summary Statistics:

Minimum : 0

Maximum : 90

Mean : 1.169

Standard deviation : 4.938

Variable Format: numeric