Commuter Matrices 1970 - 2000

K Meister
Abstract

The Commuter matrix is the result of question #21 of the Swiss National Census: Question #21: Which means of transportation do you normally use for your commuter trip (work / school)? Please list all means of transportation you used on on the same day for your trip to/from school/work. Public means of transportation were chosen as primary in combined trips (e.g. railway + car).

Keywords

Preferred citation style

1.0 Document Description

Citation

Title: Commuter Matrices 1970 - 2000

Alternative Title: Pendlermatrizen 1970 - 2000

Identification Number: Commuter_Matrices

Authoring Entity: Konrad Meister (IVT, ETH Zurich)

Producer: Institute for Transport Planning and Systems

Copyright: Institute for Transport Planning and Systems

Date of Production: 2005-06-07

Software used in Production: Nesstar Publisher

Distributor: Institute for Transport Planning and Systems

Access Authority:

Depositor: Institute for Transport Planning and Systems
2.0 Study Description

Citation

Title: Commuter Matrices 1970 - 2000
Alternative Title: Pendlermatrizen 1970 - 2000
Identification Number: Commuter_Matrices
Authoring Entity: Konrad Meister (IVT, ETH Zurich)
Date of Production: 2005-06-07
Software used in Production: Nesstar Publisher
Access Authority: Fritz Spahni

Study Scope

The Commuter matrix is the result of question #21 of the Swiss National Census: Question #21: Which means of transportation do you normally use for your commuter trip (work/school)? Please list all means of transportation you used on the same day for your trip to/from school/work. Public means of transportation were chosen as primary in combined trips (e.g. railway + car).
3.0 File Description

File: harmonisiert.NSDstat

- Number of cases: 1026428
- No. of variables per record: 19
- Type of File: NSDstat 200203
4.0 Variable Description

Variable Groups

- **KEY (origin - destination - year)**
- **VALUE (modes of transport)**

**KEY (origin - destination - year)**

Variables within **KEY (origin - destination - year)**

- number of home municipality
- number of work municipality
- year

**VALUE (modes of transport)**

Variables within **VALUE (modes of transport)**

- number of home municipality
- total number of commuters
- no work trip
- no means of transportation, only walk
- railway
- railway + tram, bus, post car
- railway + car (driver, passenger)
- railway + bike, moped
- tram, bus, post car
- tram, bus, post car + car (driver, passenger)
- tram, bus, post car + bike, moped
- other means of public transportation
- work bus
- car (driver or passenger)
- motor bike
- bike, moped
- not specified
Variables
Variable: number of home municipality

Variable Text: Gemeindenummer Wohnort (BfS 2000)

Range of Valid Data Values: 1 to 6806

Summary Statistics:

Minimum : 1

Maximum : 6806

Variable Format: numeric
Variable: **number of work municipality**

Variable Text: Gemeindenummer Arbeitsplatz (BfS 2000)

*Range of Valid Data Values*: 0 to 8300

**Summary Statistics:**

*Minimum*: 0

*Maximum*: 8300

*Variable Format*: numeric
Variable: year

Variable Text: Jahr

<table>
<thead>
<tr>
<th>Value</th>
<th>Label</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1970</td>
<td>256607</td>
<td></td>
</tr>
<tr>
<td>1980</td>
<td>256607</td>
<td></td>
</tr>
<tr>
<td>1990</td>
<td>256607</td>
<td></td>
</tr>
<tr>
<td>2000</td>
<td>256607</td>
<td></td>
</tr>
</tbody>
</table>

Range of Valid Data Values: 1970 to 2000

Summary Statistics:

Minimum: 1970

Maximum: 2000

Variable Format: numeric
**Variable:** total number of commuters

Variable Text: Gesamtanzahl Pendler

*Range of Valid Data Values:* 0 to 210206

**Summary Statistics:**

*Minimum:* 0

*Maximum:* 210206

*Variable Format:* numeric
Variable: no work trip

Variable Text: Kein Arbeitsweg

Range of Valid Data Values: 0 to 23162

Summary Statistics:

Minimum : 0

Maximum : 23162

Variable Format: numeric
**Variable: no means of transportation, only walk**

Variable Text: Kein Verkehrsmittel, ganzer Weg zu Fuss

*Range of Valid Data Values: 0 to 31675*

**Summary Statistics:**

*Minimum : 0*

*Maximum : 31675*

*Variable Format: numeric*
Variable: railway

Variable Text: Eisenbahn

Range of Valid Data Values: 0 to 2834

Summary Statistics:

Minimum : 0

Maximum : 2834

Variable Format: numeric
Variable: railway + tram, bus, post car

Variable Text: Eisenbahn + Tram, Bus, Postauto

Range of Valid Data Values: 0 to 31720

Summary Statistics:

Minimum : 0

Maximum : 8774

Variable Format: numeric
Variable: railway + car (driver, passenger)

Variable Text: Eisenbahn + PW (Lenker, Mitfahrer)

Range of Valid Data Values: 0 to 353

Summary Statistics:

Minimum : 0

Maximum : 353

Variable Format: numeric
Variable: railway + bike, moped

Variable Text: Eisenbahn + Fahrrad, Mofa

Range of Valid Data Values: 0 to 1413

Summary Statistics:

Minimum : 0

Maximum : 463

Variable Format: numeric
Variable: tram, bus, post car

Variable Text: Tram, Bus, Postauto

Range of Valid Data Values: 0 to 80110

Summary Statistics:

Minimum : 0

Maximum : 80110

Variable Format: numeric
Variable: tram, bus, post car + car (driver, passenger)

Variable Text: Tram, Bus, Postauto + PW (Lenker, Mitfahrer)

Range of Valid Data Values: 0 to 7305

Summary Statistics:

Minimum : 0

Maximum : 7305

Variable Format: numeric
Variable: tram, bus, post car + bike, moped

Variable Text: Tram, Bus, Postauto + Fahrrad, Mofa

Range of Valid Data Values: 0 to 10601

Summary Statistics:

Minimum : 0

Maximum : 7189

Variable Format: numeric
Variable: other means of public transportation

Variable Text: Anderes öffentliches Verkehrsmittel

Range of Valid Data Values: 0 to 9510

Summary Statistics:

Minimum : 0

Maximum : 905

Variable Format: numeric
Variable: work bus

Variable Text: Werkbus

Range of Valid Data Values: 0 to 3553

Summary Statistics:

Minimum: 0

Maximum: 3553

Variable Format: numeric
**Variable: car (driver or passenger)**

Variable Text: PW (Lenker oder Mitfahrer)

*Range of Valid Data Values:* 0 to 36841

**Summary Statistics:**

- *Minimum:* 0
- *Maximum:* 36841

*Variable Format:* numeric
Variable: motor bike

Variable Text: Motorrad

Range of Valid Data Values: 0 to 3727

Summary Statistics:

Minimum : 0

Maximum : 3727

Variable Format: numeric
Variable: bike, moped

Variable Text: Fahrrad, Mofa /

Range of Valid Data Values: 0 to 9513

Summary Statistics:

Minimum : 0

Maximum : 10601

Variable Format: numeric
Variable: not specified

Variable Text: Ohne Angabe

Range of Valid Data Values: 0 to 20875

Summary Statistics:

Minimum: 0

Maximum: 20875

Variable Format: numeric