



## ZUK - Comparis bid rent prices (2004/2005)

Michael Löchl

Travel Survey Metadata Series

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### Abstract

Originally, the data has been collected from the internet platform "comparis" (<http://www.comparis.ch/immobilien/intro.aspx>) for two reasons. On the one hand, it has been used to estimate the rent price model for the UrbanSim application in the Greater Zurich area. On the other hand, it has been used to have a set of not chosen alternatives for the household location choice models. The dwelling unit offers have been parsed in three waves from the database (December 2004, April 2005 and October 2005). For this purpose, a Java programme has been written by Michaela Bürgle. It is checked in into the IVT-CVS (`ivt/src/comparisRobot`).

### Keywords

### Preferred citation style

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# 1.0 Document Description

## Citation

Title:	ZUK - Comparis bid rent prices (2004/2005)
Subtitle:	Data used for the final rent price model in UrbanSim's Zurich application
Authoring Entity:	Prof. Dr. Kay W. Axhausen (IVT - ETH Zürich) Michael Löchl (IVT - ETH Zürich) Michaela Bürgle (IVT - ETH Zürich)
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## 2.0 Study Description

### Citation

Title:	ZUK - Comparis bid rent prices (2004/2005)
Subtitle:	Data used for the final rent price model in UrbanSim's Zurich application
Authoring Entity:	Prof. Dr. Kay W. Axhausen (IVT - ETH Zürich) Michael Löchl (IVT - ETH Zürich) Michaela Bürgle (IVT - ETH Zürich)
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## Study Scope

Abstract:	Originally, the data has been collected from the internet platform "comparis" ( <a href="http://www.comparis.ch/immobilien/intro.aspx">http://www.comparis.ch/immobilien/intro.aspx</a> ) for two reasons. On the one hand, it has been used to estimate the rent price model for the UrbanSim application in the Greater Zurich area. On the other hand, it has been used to have a set of not chosen alternatives for the household location choice models. The dwelling unit offers have been parsed in three waves from the database (December 2004, April 2005 and October 2005). For this purpose, a Java programme has been written by Michaela Bürgle. It is checked in into the IVT-CVS (ivt/src/comparisRobot).
Time Period:	---
Geographic Coverage:	Dwelling units in Canton Zurich plus particular municipalities in Canton Aargau (Kallern, Lenzburg, Mühlau and Unterendingen) and Canton Schwyz (Altendorf).
Geographic Unit(s):	Point data
Unit of Analysis:	Dwelling unit
Universe:	Dwelling unit bids from the Comparis database
Kind of Data:	Information about dwelling units offered on the comparis webpage (bid rent price, size, number of rooms, location, equipment etc.)

## **Methodology and Processing**

Time Method: Data has been parsed from the Comparis webpage in December 2004, April 2005 and October 2005

Sampling Procedure: Collected all adds available from the Comparis webpage

Mode of Data Collection: Parsing programme, written in Java

## **Sources Statement**

Data Sources: <http://www.comparis.ch/immobilien/intro.aspx?origin=nav>

Weighting: No weighting

## **Data Access**

Location: Comparis

Availability Status: Available

Restrictions: Joined air Noise data by Unique is not allowed to publish at all.



## **Other Study Description Materials**

### **Related Publications**

## 3.0 File Description

### **File: tblComparis27Aug06Nesstar.NSDstat**

- Number of cases: 19565
- No. of variables per record: 43
- Type of File: NSDstat 200203
- Extent of Processing Checks: None. Just variable values needed to be processable.

## 4.0 Variable Description

List of Variables:

- [Record included in final Comparis model \(only location variables\)](#)
- [Record included after common filtering](#)
- [Unique Comparis ID](#)
- [Zip code](#)
- [City name](#)
- [X coordinate](#)
- [Y coordinate](#)
- [Geocoding level](#)
- [Grid ID \(hectare grid\): first 4 digits x coordinate and first 4 digits y coordinate](#)
- [Municipality code by BFS \(2005\)](#)
- [Dwelling unit is in Canton Zurich](#)
- [Equipment field 1 on comparis webpage](#)
- [Equipment field 2 on comparis webpage](#)
- [Equipment field 3 on comparis webpage](#)
- [Equipment field 4 on comparis webpage](#)
- [Equipment field 5 on comparis webpage](#)
- [Equipment field 6 on comparis webpage](#)
- [Equipment field 7 on comparis webpage](#)
- [Equipment field 8 on comparis webpage](#)
- [Equipment field 9 on comparis webpage](#)
- [Equipment field 10 on comparis webpage](#)
- [Dwelling unit has a balcony \(dummy\)](#)
- [Dwelling unit has a garden terrace \(dummy\)](#)
- [Lift is in the house \(dummy\)](#)
- [Sqm of the dwelling unit](#)
- [Ln\(Sqm of the dwelling unit\)](#)
- [Number of rooms](#)
- [Total monthly bid rent price](#)
- [Monthly bid rent price per sqm](#)
- [Ln\(Car travel time to CBD in min\)](#)
- [Number of jobs in hotel and catering industry within 1 km \(divided by 1000\)](#)
- [Number of jobs in hotel and catering industry within 500m \(divided by 1000\)](#)
- [Slope in percent](#)
- [Sun radiation index](#)
- [Air noise 2000 by Unique \(needs to be hidden\)](#)
- [Ln\(Linear distance to next autobahn exit in km\)](#)
- [Ln\(Linear distance to next rail station in km\)](#)
- [Regularly used rail tracks within 50m linear distance \(dummy\)](#)
- [Regularly used rail tracks within 100m linear distance \(dummy\)](#)
- [Autobahn within 50m linear distance \(dummy\)](#)
- [Autobahn within 100m linear distance \(dummy\)](#)
- [Federal tax revenue per capita 2000 \(divided by 1000\)](#)
- [Percentage of buildings built before 1971 in municipality](#)

# Variables

**Variable: Record included in final Comparis model (only location variables)**

Location:	Value	Label	Frequency
Width: 8	0 .	No	10364
	1 .	Yes	9201

*Range of Valid Data Values: 0 to 1*

**Summary Statistics:**

*Minimum : 0*

*Maximum : 1*

*Mean : 0.47*

*Standard deviation : 0.499*

*Variable Format: numeric*

**Variable: Record included after common filtering**

Location:	Value	Label	Frequency
Width: 8	0 .	No	10281
	1 .	Yes	9284

*Range of Valid Data Values: 0 to 1*

**Summary Statistics:**

*Minimum : 0*

*Maximum : 1*

*Mean : 0.475*

*Standard deviation : 0.499*

*Variable Format: numeric*

**Variable: Uniqure Comparis ID**

Location: *Range of Valid Data Values: 1004 to 631427*

Width: 11 **Summary Statistics:**

*Minimum : 1004*

*Maximum : 631427*

*Mean : 402322.319*

*Standard deviation : 154114.7*

*Variable Format: numeric*

**Variable: Zip code**

Location: *Range of Valid Data Values: 5305 to 8955*

Width: 11

**Summary Statistics:**

*Minimum : 5305*

*Maximum : 8955*

*Mean : 8358.285*

*Standard deviation : 361.245*

*Variable Format: numeric*



**Variable: City name**

Location:	Value	Label	Frequency
Width: 50	AADORF .		1
	ADETSWIL .		8
	ADLIKON .		1
	ADLIKONBEIREGENSDORF .		94
	ADLISWIL .		324
	AESCHBEIBIRMENSDORF .		17
	AESCHBEINEFTENBACH .		4
	AEUGSTAMALBIS .		17
	AEUGSTERTAL .		2
	AFFOLTERN(Kr.11/1) .		1
	AFFOLTERNAMALBIS .		180
	ALTEN .		2
	ALTENDORF .		102
	ALTIKON .		6
	ANDELFINGEN .		8
	ATTIKON .		5
	AU(HALBINSEL) .		86
	AUGWIL .		2
	AUSLIKON .		19
	BAAR .		1
	BACHENBÜLACH .		67
	BACHS .		5
	BALTENSWIL .		1
	BASSERSDORF .		213
	BAUMA .		34
	BENGLLEN .		36
	BENKEN .		4
	BERGDÄGERLEN .		1
	BERTSCHIKON .		24
	BIETENHOLZ .		1
	BINZ .		100
	BIRCHWIL .		2

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BIRMENSORF .	104
BONSTETTEN .	104
BOPPELSEN .	10
BRÜTTEN .	13
BRÜTTISELLEN .	108
BUBIKON .	39
BUCHAMIRCHEL .	19
BUCHS .	93
BÄRETSWIL .	45
BÜLACH .	451
DACHSEN .	14
DIELSDORF .	136
DIETIKON .	349
DIETLIKON .	86
DINHARD .	20
DORF .	14
DÄGERLEN .	2
DÄLLIKON .	87
DÄNIKON .	39
DÄTTLIKON .	8
DÜBENDORF .	342
DÜRNTEN .	46
EBERTSWIL .	4
EBMATINGEN .	65
EFFRETIKON .	150
EGG .	102
EGLISAU .	81
EHRIKON .	3
ELGG .	43
ELLIKONAMRHEIN .	3
ELLIKONANDERTHUR .	17
ELSAU .	1
EMBRACH .	188
ERLENBACH .	46

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ESSLINGEN .	31
FAHRWEID* .	32
FEHRALTORF .	140
FELDBACH .	4
FELDMEILEN .	59
FEUERTHALEN .	10
FISCHENTHAL .	6
FLAACH .	12
FLURLINGEN .	2
FORCH* .	52
FREIENSTEIN .	31
FÄLLANDEN .	63
GATTIKON .	34
GEROLDSWIL .	85
GIBSWIL .	12
GLATTBRUGG .	193
GLATTFELDEN .	78
GOCKHAUSEN .	38
GOSSAU .	63
GRAFSTAL .	2
GREIFENSEE .	81
GRÜNINGEN .	31
GRÜT .	26
GUNDETSWIL .	5
GUNTALINGEN .	2
GUTENSWIL .	16
GÜTIGHAUSEN .	3
HADLIKON .	3
HAGENBUCH .	26
HAUPTIKON .	1
HAUSENAMALBIS .	24
HEDINGEN .	53
HENGGART .	16
HERMATSWIL .	2

HERRLIBERG .	87
HERSCHMETTLLEN .	1
HETTLINGEN .	42
HINTEREGG .	15
HINWIL .	87
HIRZEL .	15
HITTNAU .	72
HOCHFELDEN .	50
HOMBRECHTIKON .	106
HORGEN .	263
HUMLIKON .	5
HÖRI .	22
HÜNIKON .	1
HÜNTWANGEN .	18
HÜTTEN .	8
HÜTTIKON .	12
IBERG .	1
ILLNAU .	57
ISLIKON .	5
KALLERN .	4
KAPPELAMALBIS .	4
KEMPTTHAL* .	27
KILCHBERG .	99
KINDHAUSEN .	2
KLEINANDELFINGEN .	20
KLOTEN .	375
KNONAU .	39
KOLLBRUNN .	20
KYBURG .	8
KÜSNACHT .	198
LANGNAUAMALBIS .	98
LANGWIESEN .	11
LAUPEN .	41
LEIMBACH(Kr.02/3) .	1

LENZBURG .	87
LINDAU .	8
LUFINGEN .	24
MADETSWIL .	8
MARTHALEN .	13
MASCHWANDEN .	5
MAUR .	11
MEILEN .	128
METTMENSTETTEN .	62
MÄNNEDORF .	174
MÖNCHALTORF .	26
MÜHLAU .	9
NEERACH .	83
NEFTENBACH .	49
NESCHWIL .	5
NEUHAUSENAMRHEINFALL .	3
NIEDERGLATT .	103
NIEDERHASLI .	156
NIEDERWENINGEN .	34
NOHL .	1
NÄNIKON .	47
NÜRENSDORF .	93
OBERDÜRNTEN .	3
OBEREMBRACH .	29
OBERENGSTRINGEN .	128
OBERGLATT .	152
OBERHASLI .	25
OBERHITTNAU .	4
OBERMEILEN .	3
OBERRIEDEN .	42
OBERSTAMMHEIM .	6
OBERWENINGEN .	27
OBERWIL .	4
OBFELDEN .	71

OERLINGEN .	4
OETWILAMSEE .	118
OETWILANDERLIMMAT .	57
OPFIKON .	82
OSSINGEN .	18
OTELFINGEN .	30
OTTENBACH .	30
OTTIKONBEIKEMPTTHAL .	11
PFAFFHAUSEN .	38
PFANNENSTIL .	2
PFUNGEN .	64
PFÄFFIKON .	131
RAFZ .	91
REGENSBERG .	13
REGENSDORF .	119
REGENSDORF2 .	7
REUTLINGEN .	1
RHEINAU .	6
RICHTERSWIL .	130
RICKENBACH .	2
RIEDIKON .	22
RIEDTBEINEERACH .	1
RIETBEINEFTENBACH .	1
RIFFERSWIL .	7
RIKONIMTÖSSTAL .	21
RORBAS .	56
RUDOLFINGEN .	5
RUMLIKON .	1
RUSSIKON .	47
RUTSCHWIL .	9
Rickenbach(ZH) .	6
RÄMISMÜHLE .	3
RÄTERSCHEN .	27
RÜMLANG .	92

RÜSCHLIKON .	65
RÜTI .	170
RÜTI(WISENTHAL) .	1
SALAND .	20
SAMSTAGERN .	52
SCHLATT .	5
SCHLEINIKON .	5
SCHLIEREN .	169
SCHMIDRÜTI .	1
SCHWERZENBACH .	60
SCHÖFFLISDORF .	37
SCHÖNENBERG .	21
SEEBACH(Kr.11/9) .	3
SEEGRÄBEN .	5
SELLENBÜREN .	2
SENNHOF .	6
SEUZACH .	55
STADEL .	6
STADELBEINIEDERGLATT .	28
STALLIKON .	95
STEG .	2
STEGIMTÖSSAL .	5
STEINMAUR .	66
STERNENBERG .	1
STÄFA .	216
SULZBACH .	7
TAGELSWANGEN .	23
TANN .	29
TEUFEN .	11
THALHEIMANDERTHUR .	18
THALWIL .	151
THEILINGEN .	4
TRUTTIKON .	9
TRÜLLIKON .	4

TURBENTHAL .	45
UERIKON .	61
UERZLIKON .	3
UETIKONAMSEE .	56
UHWIESEN .	5
UITIKON .	85
UNTERENDINGEN .	3
UNTERENGSTRINGEN .	72
UNTERSTAMMHEIM .	7
URDORF .	103
USTER .	357
USTER2 .	1
USTER3 .	1
VOLKEN .	3
VOLKETSWIL .	253
WALD .	85
WALDEGGBEIUITIKON .	1
WALLISELLEN .	236
WALTALINGEN .	1
WALTENSTEIN .	3
WANGENBEIDÜBENDORF .	50
WASTERKINGEN .	5
WATT .	46
WEIACH .	14
WEININGEN .	47
WEISSLINGEN .	58
WERMATSWIL .	14
WERNETSHAUSEN .	10
WETTSWILAMALBIS .	62
WETZIKON .	399
WETZWIL .	1
WIESENDANGEN .	42
WIL .	7
WILA .	32



WILDBERG .	20
WINDLACH .	13
WINKEL .	83
WINTERBERG .	11
WINTERTHUR .	923
WOLFHAUSEN .	39
WÄDENSWIL .	238
WÜFLINGEN .	5
ZELL .	45
ZIMIKON .	1
ZOLLIKERBERG .	64
ZOLLIKON .	60
ZUMIKON .	95
ZWEIDLLEN .	10
ZWILLIKON .	14
ZÜRICH .	4299

**Summary Statistics:**

*Variable Format:* character

**Variable: X coordinate**

Location: *Range of Valid Data Values: 654275 to 713766*

Width: 8 **Summary Statistics:**

*Minimum : 654275*

*Maximum : 713766*

*Mean : 687583.062*

*Standard deviation : 9264.364*

*Variable Format: numeric*

***Variable: Y coordinate***

Location: *Range of Valid Data Values: 225600 to 283159*

Width: 8 **Summary Statistics:**

*Minimum : 225600*

*Maximum : 283159*

*Mean : 249389.635*

*Standard deviation : 9782.198*

*Variable Format: numeric*

**Variable: Geocoding level**

Location:	<b>Value</b>	<b>Label</b>	<b>Frequency</b>
Width: 11	1 .	At house level	13798
	2 .	At building nearby (+/- 2 and 4 house numbers)	1132
	3 .	At street level	2417
	4 .	At zip code area or municipality level	2218

*Range of Valid Data Values: 1 to 4*

**Summary Statistics:**

*Variable Format: numeric*

**Variable: Grid ID (hectare grid): first 4 digits x coordinate and first 4 digits y coordinate**

Location: *Range of Valid Data Values: 65422489 to 71372445*

Width: 8 **Summary Statistics:**

*Minimum : 65422489*

*Maximum : 71372445*

*Mean : 68755912.79*

*Standard deviation : 926442.757*

*Variable Format: numeric*

**Variable: Municipality code by BFS (2005)**

Location:                    *Range of Valid Data Values: 1 to 4321*

Width: 8                    **Summary Statistics:**

*Minimum : 1*

*Maximum : 4321*

*Mean : 193.673*

*Standard deviation : 314.091*

*Variable Format: numeric*

***Variable: Dwelling unit is in Canton Zurich***

Location:	<b>Value</b>	<b>Label</b>	<b>Frequency</b>
Width: 8	0 .	No	205
	1 .	Yes	19360

*Range of Valid Data Values: 0 to 1*

**Summary Statistics:**

*Variable Format: numeric*

**Variable: Equipment field 1 on comparis webpage**

Location:	Value	Label	Frequency
Width: 20	0 Bäder / 0 separate .		2
	1 Bad / 0 separate W .		7
	1 Bad / 1 separates .		11
	1 Bad / 2 separate W .		2
	2 Bäder / 0 separate .		2
	2 Bäder / 1 separate .		3
	Balkon .		8552
	Chemineé / Schwedeno .		1298
	Eigene Waschmaschine .		2
	Gartensitzplatz .		469
	Lift im Gebäude .		1235
	Parkett oder Steinbö .		4
	empty .		7978

**Summary Statistics:***Variable Format:* character



**Variable: Equipment field 2 on comparis webpage**

Location:	Value	Label	Frequency
Width: 20	Balkon .		245
	Chemineé / Schwedeno .		2314
	Dachterrasse .		1
	Eigene Waschmaschine .		3
	Gartensitzplatz .		6
	Lift im Gebäude .		3115
	Parkett oder Steinbö .		3
	empty .		13878

**Summary Statistics:**

*Variable Format:* character

**Variable: Equipment field 3 on comparis webpage**

Location:	Value	Label	Frequency
Width: 20	Balkon .		5
	Chemineé / Schwedeno .		15
	Dachterrasse .		3
	Geschirrspüler .		4
	Glaskeramik- / Induk .		13
	Lift im Gebäude .		320
	Parkett oder Steinbö .		2
	empty .		19203

**Summary Statistics:**

*Variable Format:* character

**Variable: Equipment field 4 on comparis webpage**

Location:	Value	Label	Frequency
Width: 20	Chemineé / Schwedeno .		1
	Dachterrasse .		2
	Eigene Waschmaschine .		3
	Geschirrspüler .		11
	Glaskeramik- / Induk .		6
	Lift im Gebäude .		4
	empty .		19538

**Summary Statistics:**

*Variable Format:* character

**Variable: Equipment field 5 on comparis webpage**

Location:	Value	Label	Frequency
Width: 255	Chemineé / Schwedenofen .		1
	Eigene Waschmaschine zur Verfügung .		6
	Geschirrspüler .		4
	Lift im Gebäude .		4
	Parkett oder Steinböden .		4
	empty .		19546

**Summary Statistics:**

*Variable Format:* character

**Variable: Equipment field 6 on comparis webpage**

Location:	Value	Label	Frequency
Width: 255	Chemineé / Schwedenofen .		2
	Eigene Waschmaschine zur Verfügung .		2
	Lift im Gebäude .		5
	Parkett oder Steinböden .		5
	empty .		19551

**Summary Statistics:**

*Variable Format:* character

**Variable: Equipment field 7 on comparis webpage**

Location:	Value	Label	Frequency
Width: 255	Chemineé / Schwedenofen .		2
	Parkett oder Steinböden .		7
	empty .		19556

**Summary Statistics:**

*Variable Format:* character

**Variable: Equipment field 8 on comparis webpage**

Location:	Value	Label	Frequency
Width: 255	Lift im Gebäude .		2
	empty .		19563

**Summary Statistics:**

*Variable Format:* character

**Variable: Equipment field 9 on comparis webpage**

Location:	Value	Label	Frequency
Width: 255	Parkett oder Steinböden .		2
	empty .		19563

**Summary Statistics:**

*Variable Format:* character



**Variable: Equipment field 10 on comparis webpage**

Location:	Value	Label	Frequency
Width: 255	empty .		19565

**Summary Statistics:**

*Variable Format:* character

***Variable: Dwelling unit has a balcony (dummy)***

Location:	<b>Value</b>	<b>Label</b>	<b>Frequency</b>
Width: 8	0 .	No	10763
	1 .	Yes	8802

*Range of Valid Data Values: 0 to 1*

**Summary Statistics:**

*Variable Format: numeric*

**Variable: Dwelling unit has a garden terrace (dummy)**

Location:	<b>Value</b>	<b>Label</b>	<b>Frequency</b>
Width: 8	0 .	No	19088
	1 .	Yes	477

*Range of Valid Data Values: 0 to 1*

**Summary Statistics:**

*Variable Format: numeric*

**Variable: Lift is in the house (dummy)**

Location:	Value	Label	Frequency
Width: 8	0 .	No	14880
	1 .	Yes	4685

*Range of Valid Data Values: 0 to 1*

**Summary Statistics:**

*Variable Format: numeric*

**Variable: Sqm of the dwelling unit**

Location: *Range of Valid Data Values: -1 to 8822202*

Width: 8 **Summary Statistics:**

*Minimum : -1*

*Maximum : 8822202*

*Mean : 644.228*

*Standard deviation : 64248.164*

*Variable Format: numeric*

**Variable: Ln(Sqm of the dwelling unit)**

Location: *Range of Valid Data Values: -1.62199037850522 to 7.69621263934641*

Width: 8

**Summary Statistics:**

*Minimum : -1.622*

*Maximum : 7.696*

*Mean : 3.01*

*Standard deviation : 0.341*

*Variable Format: numeric*

**Variable: Number of rooms**

Location: *Range of Valid Data Values: -1 to 970*

Width: 8 **Summary Statistics:**

*Minimum : -1*

*Maximum : 970*

*Mean : 4.043*

*Standard deviation : 7.586*

*Variable Format: numeric*

**Variable: Total monthly bid rent price**

Location: *Range of Valid Data Values: -1950 to 690790*

Width: 8 **Summary Statistics:**

*Minimum : -1950*

*Maximum : 690790*

*Mean : 1166.186*

*Standard deviation : 5070.991*

*Variable Format: numeric*



**Variable: Monthly bid rent price per sqm**

Location: *Range of Valid Data Values: 0.197505197505198 to 2200*

Width: 8 **Summary Statistics:**

*Minimum : 0.198*

*Maximum : 2200*

*Mean : 23.138*

*Standard deviation : 57.543*

*Variable Format: numeric*

**Variable: Ln(Car travel time to CBD in min)**

Location: *Range of Valid Data Values: 2.07944154167984 to 4.14939202921031*

Width: 8

**Summary Statistics:**

*Minimum : 2.079*

*Maximum : 4.149*

*Mean : 3.39*

*Standard deviation : 0.353*

*Variable Format: numeric*

**Variable: Number of jobs in hotel and catering industry within 1 km (divided by 1000)**

Location: Variable Text: Calculated with data from Betriebszählung 2001 at hectar level.

Width: 8

*Range of Valid Data Values: 0 to 7.7235698311366*

**Summary Statistics:**

*Minimum : 0*

*Maximum : 7.724*

*Mean : 0.302*

*Standard deviation : 0.825*

*Variable Format: numeric*

**Variable: Number of jobs in hotel and catering industry within 500m (divided by 1000)**

Location: Variable Text: Calculated with data from Betriebszählung 2001 at hectar level.

Width: 8

*Range of Valid Data Values: 0 to 4.4633461895937*

**Summary Statistics:**

*Minimum : 0*

*Maximum : 4.463*

*Mean : 0.0951*

*Standard deviation : 0.306*

*Variable Format: numeric*

***Variable: Slope in percent***

Location: Variable Text: Calculated from DEM by Swisstopo (25m times 25m grid).

Width: 8

*Range of Valid Data Values: 0 to 32.3795044595*

**Summary Statistics:**

*Minimum : 0*

*Maximum : 32.38*

*Mean : 3.841*

*Standard deviation : 3.535*

*Variable Format: numeric*

**Variable: Sun radiation index**

Location: *Range of Valid Data Values: -1111 to 120.822224934896*

Width: 8 **Summary Statistics:**

*Minimum : -1111*

*Maximum : 120.822*

*Mean : 87.679*

*Standard deviation : 39.812*

*Variable Format: numeric*

**Variable: Air noise 2000 by Unique (needs to be hidden)**

Location: Security: It is not allowed to publish air noise data by Unique at all.

Width: 8 *Range of Valid Data Values: 30 to 69.9340281502*

**Summary Statistics:**

*Minimum : 30*

*Maximum : 69.934*

*Mean : 43.643*

*Standard deviation : 9.377*

*Variable Format: numeric*

**Variable: Ln(Linear distance to next autobahn exit in km)**

Location: *Range of Valid Data Values: -3.65113308673984 to  
2.42642218633864*

Width: 8

**Summary Statistics:**

*Minimum : -3.651*

*Maximum : 2.426*

*Mean : 0.592*

*Standard deviation : 0.78*

*Variable Format: numeric*



**Variable: Ln(Linear distance to next rail station in km)**

Location: *Range of Valid Data Values: -4.31134543679408 to  
1.74615400802266*

Width: 8

**Summary Statistics:**

*Minimum : -4.311*

*Maximum : 1.746*

*Mean : -0.326*

*Standard deviation : 0.823*

*Variable Format: numeric*

**Variable: Regularly used rail tracks within 50m linear distance (dummy)**

Location:	Value	Label	Frequency
Width: 8	0 .	No	18807
	1 .	Yes	758

*Range of Valid Data Values: 0 to 1*

**Summary Statistics:**

*Minimum : 0*

*Maximum : 1*

*Variable Format: numeric*

**Variable: Regularly used rail tracks within 100m linear distance (dummy)**

Location:	Value	Label	Frequency
Width: 8	0 .	No	17743
	1 .	Yes	1822

*Range of Valid Data Values: 0 to 1*

**Summary Statistics:**

*Minimum : 0*

*Maximum : 1*

*Variable Format: numeric*

**Variable: Autobahn within 50m linear distance (dummy)**

Location:	Value	Label	Frequency
Width: 8	0 .	No	19480
	1 .	Yes	85

*Range of Valid Data Values: 0 to 1*

**Summary Statistics:**

*Minimum : 0*

*Maximum : 1*

*Variable Format: numeric*

**Variable: Autobahn within 100m linear distance (dummy)**

Location:	Value	Label	Frequency
Width: 8	0 .	No	19238
	1 .	Yes	327

*Range of Valid Data Values: 0 to 1*

**Summary Statistics:**

*Minimum : 0*

*Maximum : 1*

*Variable Format: numeric*

***Variable: Federal tax revenue per capita 2000 (divided by 1000)***

Location: *Range of Valid Data Values: 0.417382967873534 to 6.85368417582418*

Width: 8

**Summary Statistics:**

*Minimum : 0.417*

*Maximum : 6.854*

*Mean : 1.366*

*Standard deviation : 1.018*

*Variable Format: numeric*

**Variable: Percentage of buildings built before 1971 in municipality**

Location: *Range of Valid Data Values: 0 to 81.71429*

Width: 8 **Summary Statistics:**

*Minimum : 0*

*Maximum : 81.714*

*Mean : 57.162*

*Standard deviation : 16.426*

*Variable Format: numeric*