



Hedonic consumer price index for cars between 1947 and 2004

A Frei

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Abstract

This diploma thesis estimates a hedonic consumer price index for cars in Switzerland between 1946 and 2004. The hedonic function modulates a relationship between the product price and quality characteristics using regression analytical techniques. Thereby can be effect a disconnection between the product price and the single quality characteristics. This affords the calculation of a quality correctet consumer price index. The calculated real drop in prices of cars in Switzerland between 1974 and 2004 is 77.6%.

Keywords

Hedonic price index

Preferred citation style

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1.0 Document Description

Citation

Title: Hedonic consumer price index for cars between 1947 and 2004

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2.0 Study Description

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Study Scope

Keywords: Hedonic price index

Topic Classification: Hedonic price index

Abstract: This diploma thesis estimates a hedonic consumer price index for cars in Switzerland between 1946 and 2004. The hedonic function modulates a relationship between the product price and quality characteristics using regression analytical techniques. Thereby can be effect a disconnection between the product price and the single quality characteristics. This affords the calculation of a quality correctet consumer price index. The calculated real drop in prices of cars in Switzerland between 1974 and 2004 is 77.6%.

Time Period: -

Country: Switzerland

Geographic Coverage: Switzerland

Unit of Analysis: Car characteristics like horse power, cylinder capacity etc.

Universe: All cars that were sold in Switzerland during 1947 and 2004

Kind of Data: Historical data

Methodology and Processing

Time Method: Not applicable

Data Collector: Frei A.

Frequency of Data
Collection: Once

Sampling Procedure: By consistent availability over the researched timeperiod
(1947-2004).

Mode of Data
Collection: Historical information collected from books

Sources Statement

- Data Sources:
- Flik, R. (2001) Von Ford lernen? – Automobilbau und Motorisierung in Deutschland bis 1933, Böhlau Verlag, Köln.
- Kittler, E. (2002) Mercedes-Benz Personenwagen Band 3 - seit 1975, Typen-Kompass, Motorbuch Verlag Pietsch, Stuttgart.
- Kuch, J. (2003) Ford in Deutschland seit 1925, Motorbuch Verlag Pietsch, Stuttgart.
- Rohde, M. und D. Koch (2004) Mercedes-Benz Personenwagen Band 2 - 1945 bis 1975, Typen-Kompass, Motorbuch Verlag Pietsch, Stuttgart.
- Schneider, P. (2003) Porsche Renn- und Rennsportwagen seit 1948, Typen-Kompass, Motorbuch Verlag Pietsch, Stuttgart.
- Schrader, H. (2002a) Opel Band 1 - Personenwagen 1945-1987, Typen-Kompass, Motorbuch Verlag Pietsch, Stuttgart.
- Schrader, H. (2002b) Opel Band 2 - Personenwagen seit 1988, Typen-Kompass, Motorbuch Verlag Pietsch, Stuttgart.
- Schrader, H. (2004) BMW - Personenwagen seit 1952, Typen-Kompass, Motorbuch Verlag Pietsch, Stuttgart.
- Schrader, H. und K. Joachim (2001) VW Band 1 - Personenwagen seit 1945, Typen-Kompass, Motorbuch Verlag Pietsch, Stuttgart.
- Schrader, H. und K. Joachim (2002) VW Band 2 - Personenwagen seit 1945, Typen-Kompass, Motorbuch Verlag Pietsch, Stuttgart.
- Zeichner, W. (1998) Audi Personenwagen seit 1965, Typen-Kompass, Motorbuch Verlag Pietsch, Stuttgart.
- Weighting: No weighting was performed

Data Access

Availability Status: Available

Number of Files: One

Other Study Description Materials

3.0 File Description

File: longitudinaldataofcars.NSDstat

- Number of cases: 532
- No. of variables per record: 84
- Type of File: NSDstat 200203

4.0 Variable Description

Variable Groups

- [Index variables](#)
- [Derived variables](#)
- [Price variables](#)
- [Qualitative characteristics](#)
- [Source](#)

Index variables

Variables within *Index variables*

- [NUMBER](#)

Derived variables

Variables within *Derived variables*

- [NUMBER](#)
- [MODEL](#)
- [BRAND](#)
- [CAR MODEL / VERSION YEAR](#)
- [NUMBER OF CYLINDERS](#)
- [CYLINDER CAPACITY](#)
- [ENGINE POWER HP](#)
- [TRANSMISSION SYSTEM](#)
- [HP/CYLINDER CAPACITY](#)
- [NATURAL LOGARITHM OF THE ADJUSTED PRICE](#)
- [NATURAL LOGARITHM OF THE POWER](#)
- [NATURAL LOGARITHM OF THE CAR-AREA](#)
- [DUMMY FOR THE YEAR](#)
- [DUMMY FOR THE YEAR](#)
- [DUMMY FOR THE YEAR](#)
- [DUMMY FOR THE YEAR](#)
- [DUMMY FOR THE YEAR](#)
- [DUMMY FOR THE YEAR](#)

- [DUMMY FOR THE YEAR](#)
- [NATURAL LOGARITHM OF THE NOMINAL PRICE](#)

Price variables

Variables within *Price variables*

- [NUMBER](#)
- [PRICE IN CHF WITHOUT INFLATION](#)
- [INFLATION-ADJUSTED \(2000 = 100\)](#)

Qualitative characteristics

Variables within *Qualitative characteristics*

- [NUMBER](#)
- [MODEL](#)
- [BRAND](#)
- [CAR MODEL / VERSION YEAR](#)
- [NUMBER OF CYLINDERS](#)
- [CYLINDER CAPACITY](#)
- [ENGINE POWER HP](#)
- [TRANSMISSION SYSTEM](#)
- [LENGTH OF THE CAR IN MM](#)
- [WIDTH OF THE CAR IN MM](#)
- [HEIGHT OF THE CAR IN MM](#)
- [WEIGHT OF THE CAR KG](#)
- [MAX. SPEED KM/H](#)
- [CONSUMPTION L/100 KM](#)
- [AIRBAGS](#)
- [CATALYSATOR](#)
- [AREA OF THE CAR SQCM](#)

Text:

Flik, R. (2001) Von Ford lernen? – Automobilbau und Motorisierung in Deutschland bis 1933, Böhlau Verlag, Köln.
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Variables

Variable: NUMBER

Location: *Range of Valid Data Values: 1 to 532*

Width: 11 **Summary Statistics:**

Variable Format: numeric

Variable: MODEL

Location:	Value	Label	Frequency
Width: 15	100 LS .		26
	1200 (L) .		1
	1200 A .		2
	1300 .		7
	1500 .		5
	1600 .		7
	170 V .		7
	180 .		10
	190 .		11
	200 .		19
	2600 L .		7
	2800 .		9
	501 .		2
	502 .		7

728 .	9
730 .	19
75 L .	3
80 1.8 s .	5
80 2.0 .	4
80 CC .	1
80 GL .	7
80 GLS .	6
80 L .	3
911 .	8
911 Carrera .	6
911 Carrera 2 .	16
911 E .	5
911 sc .	6
A4 .	10
A6 .	11

Admiral .	7
Astra .	14
C-Klasse .	12
Golf .	31
Kadett A .	3
Kadett B .	8
Kadett C .	6
Kadett D .	5
Kadett E .	7
Kapitän .	23
Mondeo .	12
Olympia .	6
Olympia Rekord .	8
Omega .	19
Passat .	8
Passat II .	7

Passat III .	17
Rekord D .	5
Rekord E .	5
Rekord E2 .	1
Rekord E3 .	1
Rekord E4 .	1
Rekord E5 .	1
Rekord PII .	11
Senator .	13
Sierra .	10
Standart-Modell .	18
Taurus .	10
Taurus 12 M .	24

Summary Statistics:

Variable Format: character

Variable: BRAND

Location:	Value	Label	Frequency
Width: 8	Audi .		76
	BMW .		53
	Ford .		56
	Mercedes .		59
	Opel .		144
	Porsche .		41
	VW .		103

Summary Statistics:

Variable Format: character

***Variable:* CAR MODEL / VERSION YEAR**

Location:	Value	Label	Frequency
Width: 11	1946 .		2
	1947 .		3
	1948 .		4
	1949 .		5
	1950 .		5
	1951 .		5
	1952 .		6
	1953 .		6
	1954 .		6
	1955 .		6
	1956 .		6
	1957 .		6
	1958 .		6
	1959 .		6

1960 .	6
1961 .	7
1962 .	8
1963 .	8
1964 .	9
1965 .	9
1966 .	10
1967 .	10
1968 .	11
1969 .	11
1970 .	11
1971 .	11
1972 .	11
1973 .	11
1974 .	11
1975 .	11

1976 .	11
1977 .	11
1978 .	11
1979 .	11
1980 .	11
1981 .	11
1982 .	11
1983 .	11
1984 .	11
1985 .	11
1986 .	11
1987 .	11
1988 .	11
1989 .	11
1990 .	11
1991 .	10

1992 .	10
1993 .	10
1994 .	10
1995 .	10
1996 .	10
1997 .	10
1998 .	10
1999 .	10
2000 .	10
2001 .	10
2002 .	10
2003 .	10
2004 .	10

Range of Valid Data Values: 1946 to 2004

Summary Statistics:

Minimum : 1946

Maximum : 2004

Variable Format: numeric

Variable: CYLINDER CAPACITY

Location:	Value	Label	Frequency
Width: 11	993 .		3
	1078 .		8
	1093 .		9
	1131 .		8
	1172 .		14
	1183 .		6
	1192 .		12
	1196 .		11
	1199 .		7
	1272 .		8
	1285 .		13
	1297 .		5
	1305 .		2
	1389 .		9

1390 .	7
1391 .	7
1471 .	5
1488 .	14
1493 .	12
1588 .	16
1593 .	8
1597 .	11
1598 .	5
1680 .	5
1696 .	6
1697 .	4
1698 .	11
1760 .	8
1767 .	7
1781 .	40

1798 .	5
1897 .	9
1971 .	2
1979 .	9
1984 .	6
1988 .	15
1991 .	5
1996 .	8
1997 .	4
1998 .	25
2144 .	6
2195 .	2
2198 .	6
2226 .	2
2309 .	8
2341 .	2

2393 .	8
2473 .	12
2580 .	14
2598 .	3
2605 .	6
2687 .	4
2784 .	16
2788 .	18
2793 .	5
2968 .	9
2979 .	4
2986 .	8
2994 .	6
2997 .	2
3164 .	6
3387 .	1

3600 . 9

3746 . 6

Range of Valid Data Values: 993 to 3746

Summary Statistics:

Minimum : 993

Maximum : 3746

Mean : 1940.43

Standard deviation : 638.442

Variable Format: numeric

Variable: ENGINE POWER HP

Location:	Value	Label	Frequency
Width: 11	25 .		8
	30 .		12
	34 .		3
	37 .		6
	38 .		15
	40 .		13
	44 .		2
	45 .		26
	46 .		1
	50 .		15
	52 .		9
	55 .		24
	58 .		3
	60 .		37

65 .	8
68 .	5
70 .	3
71 .	1
75 .	28
80 .	13
85 .	17
90 .	33
95 .	15
100 .	26
109 .	4
110 .	12
115 .	23
118 .	7
122 .	1
125 .	18

130 .	4
132 .	9
133 .	3
136 .	14
138 .	2
140 .	5
144 .	6
150 .	8
155 .	2
156 .	6
163 .	5
165 .	12
170 .	11
180 .	5
184 .	7
188 .	9

193 .	5
204 .	3
218 .	2
230 .	4
231 .	6
250 .	4
272 .	5
300 .	1
320 .	6

Range of Valid Data Values: 25 to 320

Summary Statistics:

Minimum : 25

Maximum : 320

Mean : 102.013

Standard deviation : 58.078

Variable Format: numeric

Variable: TRANSMISSION SYSTEM

Location:	Value	Label	Frequency
Width: 1	a .	AUTOMATIC	13
	m .	MANUEL	503

Summary Statistics:

Variable Format: character

Variable: LENGTH OF THE CAR IN MM

Location:	Value	Label	Frequency
Width: 11	3705 .		4
	3815 .		5
	3923 .		3
	3985 .		8
	3998 .		12
	4020 .		10
	4030 .		6
	4050 .		10
	4060 .		10
	4070 .		21
	4080 .		3
	4105 .		8
	4110 .		7
	4127 .		6

4147 .	2
4150 .	5
4163 .	7
4190 .	4
4200 .	1
4201 .	3
4204 .	2
4210 .	1
4225 .	12
4240 .	2
4245 .	9
4248 .	5
4250 .	4
4267 .	5
4285 .	5
4290 .	4

4291 .	16
4318 .	4
4335 .	4
4340 .	7
4380 .	6
4383 .	7
4393 .	5
4394 .	5
4400 .	5
4406 .	1
4420 .	1
4430 .	7
4433 .	3
4448 .	5
4450 .	2
4455 .	2

4480 .	17
4485 .	14
4490 .	4
4512 .	3
4515 .	2
4516 .	7
4526 .	5
4529 .	1
4545 .	3
4550 .	5
4567 .	5
4573 .	8
4593 .	5
4605 .	1
4620 .	3
4625 .	4

4635 .	4
4652 .	4
4675 .	8
4680 .	9
4683 .	3
4687 .	8
4695 .	3
4700 .	7
4710 .	1
4715 .	3
4725 .	9
4730 .	19
4731 .	5
4735 .	3
4740 .	1
4764 .	1

4790 .	11
4792 .	9
4795 .	8
4800 .	2
4811 .	4
4813 .	5
4839 .	5
4860 .	9
4900 .	7
4907 .	9
4910 .	8
4948 .	5
4984 .	7
4990 .	4

Range of Valid Data Values: 3705 to 4990

Summary Statistics:

Minimum : 3705

Maximum : 4990

Mean : 4445.241

Standard deviation : 301.733

Variable Format: numeric

Variable: WIDTH OF THE CAR IN MM

Location:	Value	Label	Frequency
Width: 11	1470 .		3
	1485 .		3
	1500 .		3
	1540 .		21
	1550 .		7
	1564 .		3
	1570 .		3
	1580 .		17
	1594 .		5
	1600 .		6
	1603 .		4
	1605 .		12
	1610 .		22
	1614 .		8

1615 .	6
1616 .	3
1620 .	4
1625 .	5
1626 .	6
1630 .	1
1632 .	2
1636 .	5
1650 .	2
1652 .	14
1660 .	3
1663 .	7
1665 .	6
1678 .	6
1682 .	8
1684 .	2

1685 .	7
1690 .	10
1695 .	16
1696 .	3
1700 .	9
1701 .	5
1703 .	5
1704 .	8
1706 .	3
1710 .	7
1718 .	5
1720 .	4
1722 .	5
1723 .	7
1726 .	5
1727 .	4

1728 .	9
1729 .	8
1735 .	20
1740 .	18
1750 .	16
1754 .	5
1759 .	2
1760 .	4
1763 .	4
1765 .	7
1768 .	6
1770 .	9
1772 .	8
1775 .	6
1777 .	6
1780 .	16

1785 .	6
1786 .	9
1795 .	4
1800 .	9
1810 .	8
1812 .	10
1814 .	9
1835 .	9
1845 .	8
1862 .	7
1870 .	4
1902 .	5

Range of Valid Data Values: 1470 to 1902

Summary Statistics:

Minimum : 1470

Maximum : 1902

Mean : 1701.036

Standard deviation : 88.053

Variable Format: numeric

Variable: HEIGHT OF THE CAR IN MM

Location:	Value	Label	Frequency
Width: 11	1240 .		4
	1300 .		5
	1305 .		7
	1310 .		2
	1320 .		27
	1360 .		8
	1362 .		10
	1363 .		3
	1365 .		8
	1370 .		5
	1375 .		13
	1380 .		5
	1383 .		1
	1385 .		7

1390 .	6
1397 .	5
1400 .	19
1408 .	10
1410 .	33
1411 .	8
1415 .	16
1420 .	12
1421 .	8
1422 .	9
1425 .	13
1426 .	5
1428 .	15
1429 .	5
1430 .	17
1431 .	6

1435 .	11
1438 .	9
1440 .	15
1445 .	5
1447 .	8
1450 .	32
1451 .	6
1452 .	4
1455 .	5
1460 .	13
1465 .	8
1475 .	12
1485 .	4
1490 .	3
1495 .	3
1500 .	22

1512 .	5
1530 .	19
1550 .	17
1560 .	13
1580 .	6
1600 .	4
1610 .	10
1625 .	3
1640 .	3

Range of Valid Data Values: 1240 to 1640

Summary Statistics:

Minimum : 1240

Maximum : 1640

Mean : 1437.028

Standard deviation : 70.917

Variable Format: numeric

Variable: WEIGHT OF THE CAR KG

Location:	Value	Label	Frequency
Width: 11	690 .		3
	720 .		18
	750 .		2
	765 .		8
	780 .		1
	790 .		4
	800 .		6
	810 .		5
	815 .		5
	820 .		7
	845 .		4
	850 .		14
	860 .		5
	875 .		3

880 .	15
890 .	11
910 .	7
920 .	7
930 .	9
935 .	3
960 .	16
965 .	2
970 .	7
990 .	2
1000 .	3
1025 .	16
1035 .	14
1060 .	4
1080 .	9
1085 .	5

1090 .	9
1095 .	4
1100 .	5
1110 .	7
1145 .	2
1150 .	10
1160 .	12
1180 .	14
1185 .	1
1189 .	2
1190 .	4
1200 .	14
1210 .	15
1220 .	12
1230 .	3
1235 .	7

1240 .	3
1250 .	19
1275 .	8
1280 .	3
1290 .	7
1300 .	5
1310 .	2
1320 .	7
1340 .	6
1360 .	16
1370 .	8
1380 .	2
1390 .	15
1400 .	11
1415 .	6
1430 .	8

1440 .	16
1450 .	2
1475 .	9
1500 .	4
1510 .	5
1530 .	13
1550 .	2
1720 .	8
1725 .	7
1880 .	4

Range of Valid Data Values: 690 to 1880

Summary Statistics:

Minimum : 690

Maximum : 1880

Mean : 1153.041

Standard deviation : 252.37

Variable Format: numeric

Variable: MAX. SPEED KM/H

Location:	Value	Label	Frequency
Width: 11	105 .		11
	108 .		4
	112 .		29
	116 .		1
	120 .		6
	122 .		8
	123 .		4
	125 .		8
	126 .		7
	127 .		4
	128 .		3
	129 .		2
	130 .		19
	135 .		10

136 .	6
138 .	2
139 .	3
140 .	2
141 .	6
142 .	6
143 .	5
144 .	2
145 .	11
147 .	4
148 .	3
150 .	10
151 .	6
152 .	3
155 .	2
157 .	7

158 .	2
160 .	28
161 .	1
162 .	4
163 .	9
165 .	21
167 .	10
168 .	5
170 .	18
172 .	8
173 .	4
174 .	1
175 .	13
176 .	4
177 .	12
178 .	1

179 .	2
180 .	12
190 .	4
191 .	7
192 .	5
193 .	5
194 .	1
195 .	19
197 .	2
200 .	18
201 .	5
202 .	3
203 .	7
205 .	7
206 .	8
210 .	22

215 .	2
220 .	8
222 .	8
224 .	8
225 .	3
226 .	5
230 .	5
234 .	2
235 .	7
245 .	6
260 .	4
270 .	5
280 .	1
287 .	6

Range of Valid Data Values: 105 to 287

Summary Statistics:

Minimum : 105

Maximum : 287

Mean : 170.799

Standard deviation : 39.221

Variable Format: numeric

Variable: CONSUMPTION L/100 KM

Location:	Value	Label	Frequency
Width: 11	6.5 .		7
	6.8 .		2
	7 .		7
	7.4 .		7
	7.5 .		8
	7.6 .		7
	7.7 .		5
	8 .		15
	8.1 .		4
	8.5 .		6
	8.7 .		5
	8.8 .		8
	9 .		44
	9.4 .		10

9.5 .	44
10 .	50
10.1 .	3
10.2 .	6
10.3 .	5
10.5 .	42
10.6 .	11
10.8 .	2
11 .	21
11.5 .	33
11.7 .	3
11.8 .	9
12 .	18
12.2 .	5
12.5 .	28
13 .	14

13.5 .	18
14 .	7
14.5 .	16
15 .	22
15.5 .	6
16 .	13
16.5 .	18
17 .	3

Range of Valid Data Values: 6.5 to 17

Summary Statistics:

Minimum : 6.5

Maximum : 17

Mean : 11.037

Standard deviation : 2.469

Variable Format: numeric

Variable: HP/CYLINDER CAPACITY

Location: *Range of Valid Data Values: 0.02210433244916 to
0.0885739592559788*

Width: 13

Summary Statistics:

Minimum : 0.0221

Maximum : 0.0886

Mean : 0.0499

Standard deviation : 0.0149

Variable Format: numeric

***Variable:* PRICE IN CHF WITHOUT INFLATION**

Location: *Range of Valid Data Values:* 0 to 116948.780487805

Width: 11

Summary Statistics:

Minimum : 0

Maximum : 116948.78

Mean : 24011.521

Standard deviation : 21271.897

Variable Format: numeric

Variable: INFLATION-ADJUSTED (2000 = 100)

Location:	Value	Label	Frequency
Width: 11	0 .		2
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115596.831919406 .	1
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122046.43133304 .	1

Range of Valid Data Values: 0 to 122046.43133304

Summary Statistics:

Minimum : 0

Maximum : 122046.431

Mean : 38697.152

Standard deviation : 21702.336

Variable Format: numeric

Variable: AIRBAGS

Location:	Value	Label	Frequency
Width: 11	0 .		412
	1 .	YES	120
	2 .	NO	0

Range of Valid Data Values: 0 to 2

Summary Statistics:

Variable Format: numeric

Variable: CATALYSATOR

Location:	Value	Label	Frequency
Width: 11	0 .		337
	1 .	YES	195
	2 .	NO	0

Range of Valid Data Values: 0 to 2

Summary Statistics:

Variable Format: numeric

Variable: AREA OF THE CAR SQCM

Location:	Value	Label	Frequency
Width: 8	5766810 .		3
	5965050 .		4
	6030000 .		3
	6058800 .		3
	6142150 .		5
	6246500 .		6
	6267800 .		21
	6334200 .		3
	6374200 .		3
	6414800 .		7
	6435775 .		2
	6520660 .		6
	6540728 .		5
	6625470 .		8

6635025 .	6
6648674 .	7
6676670 .	2
6702430 .	7
6720000 .	1
6721600 .	3
6770300 .	4
6771312 .	5
6781125 .	12
6787800 .	4
6792000 .	2
6813900 .	7
6841250 .	1
6844500 .	7
6890000 .	2
6898125 .	2

6908510 .	4
6921754 .	4
6928350 .	4
6984550 .	1
7012500 .	2
7021000 .	2
7028100 .	7
7088732 .	12
7121880 .	6
7163728 .	3
7200250 .	5
7258167 .	5
7304475 .	4
7365075 .	5
7368480 .	2
7372206 .	7

7378000 .	4
7394836 .	2
7404040 .	3
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7416760 .	1
7446135 .	5
7463744 .	5
7480000 .	5
7482982 .	5
7502220 .	2
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7595000 .	1
7610550 .	4
7652352 .	3
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7658325 .	3

7669200 .	3
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7781068 .	7
7792392 .	8
7803900 .	10
7818950 .	7
7820928 .	5
7840000 .	7
7846106 .	5
7907055 .	4
7920600 .	1
7927518 .	5
7980700 .	5
7996625 .	4
8013915 .	4
8034004 .	4

8109800 .	3
8134500 .	8
8225000 .	7
8279544 .	3
8283600 .	9
8289600 .	1
8300760 .	3
8305364 .	8
8313408 .	4
8332758 .	5
8333600 .	3
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8438850 .	9
8490350 .	3
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8508300 .	1
8511830 .	6
8550150 .	5
8572572 .	5
8678950 .	8
8692688 .	9
8697500 .	6
8721156 .	5
8748000 .	9
9004345 .	9
9058950 .	8
9280208 .	7
9331300 .	4
9411096 .	5

Range of Valid Data Values: 5766810 to 9411096

Summary Statistics:

Minimum : 5766810

Hedonic consumer price index for cars between 1947 and 2004 _____ December 2005

Maximum : 9411096

Mean : 7583766.769

Standard deviation : 868480.904

Variable Format: numeric

***Variable:* NATURAL LOGARITHM OF THE ADJUSTED PRICE**

Location: *Range of Valid Data Values:* 9.64522569807694 to
11.7121568360085

Width: 8

Summary Statistics:

Variable Format: numeric

***Variable:* NATURAL LOGARITHM OF THE POWER**

Location: *Range of Valid Data Values:* 3.2188758248682 to
5.76832099579377

Width: 8

Summary Statistics:

Variable Format: numeric

***Variable:* NATURAL LOGARITHM OF THE CAR-AREA**

Location: *Range of Valid Data Values:* 15.5676296259823 to
16.0573999766177

Width: 8

Summary Statistics:

Variable Format: numeric

***Variable:* DUMMY FOR THE YEAR**

Location:	Value	Label	Frequency
Width: 8	0 .	NO	530
	1 .	YES	2

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	529
	1 .	YES	3

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	528
	1 .	YES	4

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	527
	1 .	YES	5

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	527
	1 .	YES	5

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	527
	1 .	YES	5

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	526
	1 .	YES	6

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	526
	1 .	YES	6

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	526
	1 .	YES	6

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	526
	1 .	YES	6

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	526
	1 .	YES	6

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	526
	1 .	YES	6

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	526
	1 .	YES	6

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	526
	1 .	YES	6

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	526
	1 .	YES	6

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	525
	1 .	YES	7

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	524
	1 .	YES	8

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	524
	1 .	YES	8

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	523
	1 .	YES	9

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	523
	1 .	YES	9

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

***Variable:* DUMMY FOR THE YEAR**

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

***Variable:* DUMMY FOR THE YEAR**

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

***Variable:* DUMMY FOR THE YEAR**

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

***Variable:* DUMMY FOR THE YEAR**

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

***Variable:* DUMMY FOR THE YEAR**

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

***Variable:* DUMMY FOR THE YEAR**

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

***Variable:* DUMMY FOR THE YEAR**

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	521
	1 .	YES	11

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: DUMMY FOR THE YEAR

Location:	Value	Label	Frequency
Width: 8	0 .	NO	522
	1 .	YES	10

Range of Valid Data Values: 0 to 1

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

***Variable:* NATURAL LOGARITHM OF THE NOMINAL PRICE**

Location: *Range of Valid Data Values:* 8.25894538332211 to
11.6694913443205

Width: 8

Summary Statistics:

Variable Format: numeric

Notes: Used for specific analysis. Not recommended for general use.

Variable: SOURCE

Location:	Value	Label	Frequency
Width: 50			
	1 .	Schrader und Joachim (2001)	99
	2 .	Rohde und Koch (2004)	29
	3 .	Schrader (2002a)	106
	4 .	Kuch (2003)	56
	5 .	Schrader (2004)	53
	6 .	Schneider (2003)	39
	7 .	Zeichner (1998)	65
	8 .	Kittler (2002)	27
	9 .	Schrader (2002b)	32
	10 .	Querschnittsdaten und www.audi.de	11
	11 .	Querschnittsdaten und www.volkswagen.de	4
	12 .	Querschnittsdaten und www.opel.de	6

- | | | |
|------|---|---|
| 13 . | Querschnittsdaten und
www.mercedes-benz.de | 3 |
| 14 . | Querschnittsdaten und Schneider
(2003) | 2 |

Summary Statistics:

Variable Format: numeric