



FEDERAL STATISTICAL OFFICE

# STATISTICAL

**C**  **MPASS**

# 1988

FEDERAL REPUBLIC OF GERMANY

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# INTRODUCTORY NOTE

The Statistical Compass is intended for all those who at a glance want to inform themselves on major basic statistics. The inclusion of explanatory texts and graphs should facilitate the understanding of the data material provided, which covers almost all spheres of economic and social life in the Federal Republic of Germany. In addition to selected comparative data for the individual federal Laender, the publication also presents in its appendix the respective latest data available on the German Democratic Republic and Berlin (East), as well as on the member countries of the European Communities and the OECD.

This little brochure can of course offer only a small section of the great variety of numerical data available from official statistics. Anyone interested in more detailed information should request a free copy of the comprehensive List of Publications by writing to the Federal Statistical Office or to the publishers Messrs. W. Kohlhammer.

Statist. Bundesamt - Bibliothek



08-05523

(09.1095)

Explanation of symbols

- = Numerical value unknown
- = Magnitude zero
- 0 = Less than half of 1 in the last digit occupied, but more than nil
- / = No data because the numerical value is not sufficiently secure

Unless otherwise stated, the data refer to the Federal Republic; they include Berlin (West).

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# GEOGRAPHICAL AND METEOROLOGICAL DATA

## Climate

Temperate oceanic/continental climatic zone with frequent weather changes and prevailing westerly winds.

Annual precipitations

North German Lowlands	under 500 to 800 mm
Central chain of mountains	600 to over 1 500 mm
Alps	up to over 2 000 mm

## Neighbouring states and length of borders

	4 231 km
Denmark	67 km
Netherlands	576 km
Belgium	155 km
Luxembourg	135 km
France	446 km
Switzerland (excl. Lake of Constance)	334 km
Austria (excl. Lake of Constance)	784 km
Czechoslovakia	356 km
German Democratic Republic	1 378 km

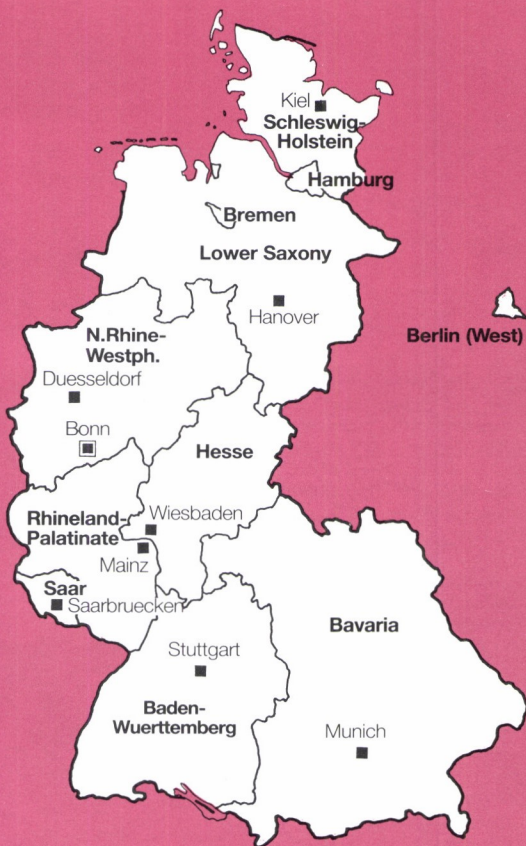
## Elevation of settlements (in metres above/below sea level)

Hochenschwand (highest)	1 008 m
Ihlow-Riepsterhammrich (lowest)	- 2 m

## Mountains (over 2 600 m altitude above sea level)

Zugspitze (Wetterstein Mountains)	2 962 m
Hochwanner (Wetterstein Mountains)	2 746 m
Hoellental Spitze (Wetterstein Mountains)	2 745 m
Watzmann (Berchtesgaden Alps)	2 713 m
Plattspitze (Wetterstein Mountains)	2 679 m
Hochfrottspitze (Algau High Alps)	2 649 m
Maedelegabel (Algau High Alps)	2 645 m
Dreitortspitze (Wetterstein Mountains)	2 633 m
Alpspitze (Wetterstein Mountains)	2 628 m
Hochkalter (Berchtesgaden Alps)	2 607 m

# Federal Republic of Germany



**Rivers** (of over 200 km of navigable length within the Federal Republic)

	Length <sup>1)</sup>	Of which navigable <sup>1)</sup>
Rhine	865 km	778 km
Weser	440 km	440 km
Main	524 km	396 km
Danube	647 km	386 km
Moselle	242 km	242 km
Ems (up to the Dollart)	371 km	238 km
Elbe	227 km	227 km
Neckar	367 km	203 km

<sup>1)</sup> Within the Federal Republic of Germany.

**Lakes** (with over 20 km<sup>2</sup> of surface)

Lake of Constance (Footlands of the Alps)	538.5 km <sup>2</sup>
incl. part belonging to the Federal Republic of Germany	305.0 km <sup>2</sup>
Chiemsee (Footlands of the Alps)	82.0 km <sup>2</sup>
Starnberger See (Footlands of the Alps)	57.2 km <sup>2</sup>
Ammersee (Footlands of the Alps)	46.6 km <sup>2</sup>
Steinhuder Meer (Northwest German Lowlands)	29.4 km <sup>2</sup>
Großer Ploener See (Holstein Lake District)	29.0 km <sup>2</sup>
Schaalsee (Mecklenburg Lake District; incl. part belonging to the GDR)	23.3 km <sup>2</sup>
Selenter See (Holstein Lake District)	22.4 km <sup>2</sup>

**Navigable canals** (of over 50 km of length)

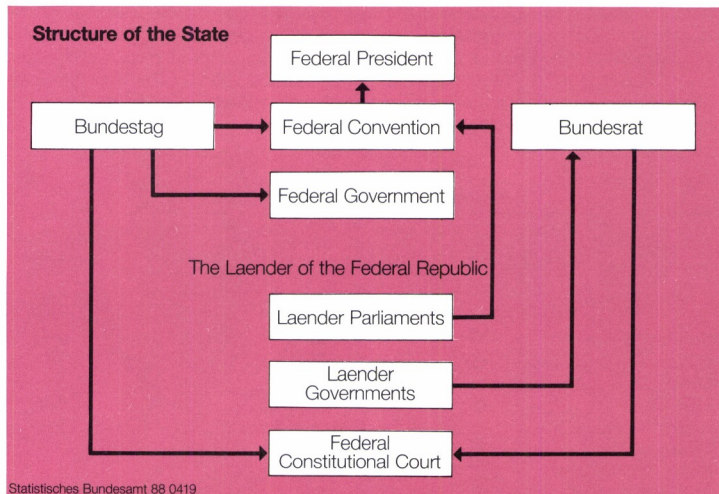
Midland Canal (since 1938)	321.3 km
incl. part belonging to the Federal Republic of Germany	258.7 km
Dortmund-Ems Canal (since 1899)	269.0 km
Elbeseitenkanal (North-South Canal, since 1976)	112.5 km
Main-Danube Canal (since 1987)	106.0 km
Kiel Canal (since 1895)	98.7 km
Kuestenkanal (since 1935)	69.6 km
Elbe-Luebeck Canal (since 1900)	62.0 km
Wesel-Datteln Canal (since 1929)	60.2 km

**Barrages** (with a capacity of over 100 mn m<sup>3</sup>)

Schwammenauel (Rur), incl. Paulushof dam	205.5 mn m <sup>3</sup>
Edersee (Eder-Fulda)	202.4 mn m <sup>3</sup>
Bigge (Bigge-Lenne-Ruhr)	171.8 mn m <sup>3</sup>
Forggensee (Lech)	165.0 mn m <sup>3</sup>
Moehne (Moehne-Ruhr)	134.5 mn m <sup>3</sup>
Schluchsee (Schwarza-Wutach)	108.0 mn m <sup>3</sup>
Sylvensteinsee (Isar)	104.0 mn m <sup>3</sup>

# THE FEDERAL REPUBLIC OF GERMANY

The Federal Republic of Germany is a democratic and social constitutional state on a parliamentary basis. Its Constitution is the "Basic Law" of 23 May 1949. The member states of the Federal Republic are the Laender Schleswig-Holstein, Hamburg, Lower Saxony, Bremen, North Rhine-Westphalia, Hesse, Rhineland-Palatinate, Baden-Wuerttemberg, Bavaria, the Saar and Berlin (West). In Berlin (West), the implementation of the Basic Law is subject to certain restrictions.



Head of State of the Federal Republic of Germany is the Federal President. He represents the Federation in national matters and in its international relations. The Federal President is elected for a five-year term of office by the Federal Convention, specially convened for this purpose. The Federal Convention consists of all members of the Bundestag and an equal number of members elected by the Laender parliaments according to the rules of proportional representation.

Legislative power is vested in the "Bundestag" and the "Bundesrat". The 11th Bundestag comprises 519 members (incl. 1 excess seat of the CDU in Baden-Wuerttemberg), including 22 from Berlin (West) with limited voting rights. According to the position after the 1987 elections, the Social Democratic Party of Germany (SPD) is represented by 193 members, the Christian Democratic Union of Germany (CDU) by 185, while the Christian Social Union (CSU) has 49, the Free Democratic Party (F.D.P.) 48 and THE GREENS 44 members.

Through the Bundesrat, the Laender participate in the legislation and administration of the Federation. The members of the Bundesrat are appointed by the Laender Governments. The total of 45 voices – including four from Berlin (West) with restricted voting rights – are divided among the 11 Laender according to the number of inhabitants.

Executive power is vested in the Federal Government. It consists of the Federal Chancellor, who is elected by the Bundestag on the proposal of the Federal President, and the Federal Ministers who are appointed by the Federal President upon the proposal of the Federal Chancellor.

Under the Basic Law, the judicial authority is vested in the judges, with the Federal Constitutional Court occupying a special position. It decides in particular on the interpretation of the Basic Law in the event of constitutional disputes between government organs, on the compatibility of federal and Laender law with the Basic Law (voidance petitions) as well as on complaints lodged by individual citizens in constitutionality matters. Half of its members are elected by the Bundestag, and half by the Bundesrat.

### Results of Parliamentary Elections

Federal Laender	Election year	SPD	CDU, CSU <sup>1)</sup>	F.D.P.	GREENS	Others
		%				
Elections to the Landtage						
Schleswig-Holstein	1988	54.8	33.3	4.4	2.9	4.7
Hamburg	1987	45.0	40.5	6.5	7.0 <sup>2)</sup>	1.0
Lower Saxony	1986	42.1	44.3	6.0	7.1	0.5
Bremen	1987	50.5	23.4	10.0	10.2	5.8
N. Rhine-Westph.	1985	52.1	36.5	6.0	4.6	0.8
Hesse	1987	40.2	42.1	7.8	9.4	0.5
Rhineland-Palatinate	1987	38.8	45.1	7.3	5.9	2.9
Baden-Wuerttemberg	1988	32.0	49.0	5.9	7.9	5.2
Bavaria	1986	27.5	55.8	3.8	7.5	5.4
Saar	1985	49.2	37.3	10.0	2.5	1.0
Berlin (West)	1985	32.4	46.4	8.5	10.6 <sup>3)</sup>	2.1
Elections to the Bundestag <sup>4)</sup>						
<b>Federal Republic</b>	<b>1987</b>	<b>37.0</b>	<b>44.3<sup>5)</sup></b>	<b>9.1</b>	<b>8.3</b>	<b>1.4</b>
European elections						
	1984	37.4	45.9 <sup>6)</sup>	4.8	8.2	3.7

<sup>1)</sup> CSU only in Bavaria. – <sup>2)</sup> GREEN-Alternative List (GAL). – <sup>3)</sup> Alternative List – For Democracy and Environmental Protection (AL). – <sup>4)</sup> Second votes. – <sup>5)</sup> Of which CDU 34.5 % and CSU 9.8 %. – <sup>6)</sup> Of which CDU 37.5 % and CSU 8.5 %.

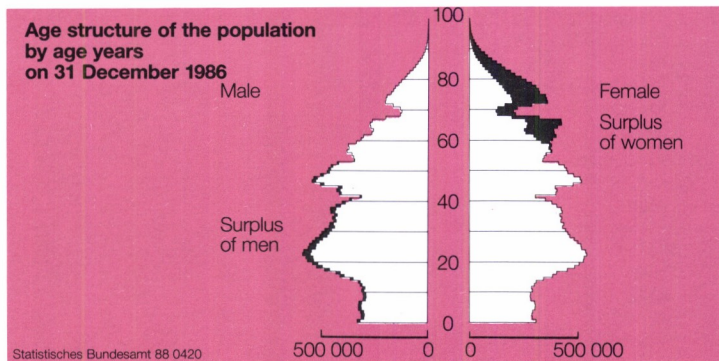


# POPULATION

Data on the total number of the population, its social and demographic structure, as well as its spatial distribution, are provided by the population censuses (latest on 25 May 1987) conducted at several years' intervals. They at the same time serve as basis for the annual sample surveys of the microcensus and the current adjustment of the number of the population; statistics on foreigners are compiled from the data of the Central Register of Foreigners.

	Unit	1970	1980	1987
<b>Administrative structure</b>				
Administrative districts	Number	30	25	26
Kreise	Number	542	328	328
Communities	Number	22 510	8 501	8 504
with ... inhabitants				
under 2 000	Number	18 704	4 708	4 653 <sup>1)</sup>
2 000 to under 100 000	Number	3 747	3 725	3 783 <sup>1)</sup>
100 000 and over	Number	59	66	66 <sup>1)</sup>
<b>Population</b>	1 000	61 001	61 658	61 170 <sup>2)</sup>
Incl. foreigners	1 000	2 977	4 453	4 630
Incl.: Turks	1 000	469	1 462	1 481
Yugoslavs	1 000	514	632	598
Italians	1 000	574	618	544
Greeks	1 000	343	298	280
Inhabitants per km <sup>2</sup>	Number	244	248	246 <sup>1)</sup>
<b>Age in ... years</b>				
under 6	%	10	6	6 <sup>1)</sup>
6 to under 15	%	14	12	9 <sup>1)</sup>
15 to under 25	%	13	16	16 <sup>1)</sup>
25 to under 45	%	28	28	28 <sup>1)</sup>
45 to under 65	%	23	22	26 <sup>1)</sup>
65 and over	%	13	15	15 <sup>1)</sup>
<b>Marital status</b>				
Male	1 000	29 072	29 481	29 285 <sup>1)</sup>
Single	%	43	44	44 <sup>1)</sup>
Married	%	53	51	50 <sup>1)</sup>
Widowed and divorced	%	4	5	6 <sup>1)</sup>
Female	1 000	31 930	32 177	31 855 <sup>1)</sup>
Single	%	36	35	35 <sup>1)</sup>
Married	%	47	47	47 <sup>1)</sup>
Widowed and divorced	%	16	18	18 <sup>1)</sup>

	Unit	1970	1980	1987
<b>Religion</b>				
Protestant	%	49	42	41 <sup>1)</sup>
Catholic	%	45	43	43 <sup>1)</sup>
Others	%	6	14	16 <sup>1)</sup>
<b>Households<sup>3)</sup></b>				
One-person households	1 000	5 527	7 493	9 177 <sup>4)</sup>
Multi-person households	1 000	16 464	17 318	17 562 <sup>4)</sup>
<b>Marriage, divorce</b>				
Marriages	1 000	445	362	382
Average age at marriage	Rate <sup>5)</sup>	7.3	5.9	6.3
Male	Years	28.3	29.0	30.5 <sup>1)</sup>
Female	Years	24.9	25.8	27.4 <sup>1)</sup>
Divorces	1 000	77	96	122 <sup>1)</sup>
	Rate <sup>5)</sup>	1.3	1.6	2.0 <sup>1)</sup>
<b>Birth</b>				
Live births	1 000	811	621	642
	Rate <sup>5)</sup>	13.4	10.1	10.5
Incl. illegitimate	1 000	44	47	62
	Rate <sup>6)</sup>	54.6	75.6	97.1
Foetal deaths	1 000	8	3	2
	Rate <sup>7)</sup>	10.2	5.3	3.9
Excess of births (+) or of deaths (-)	1 000	+ 76	- 93	- 45
	Rate <sup>5)</sup>	+ 1.3	- 1.5	- 0.7
Incl. foreigners	1 000	+ 55	+ 72	+ 59



	Unit	1970	1980	1987
<b>Death</b>				
Deaths	1 000	735	714	687
	Rate <sup>5)</sup>	12.1	11.6	11.2
Incl.: During the first 7 days	1 000	13	4	2
	Rate <sup>6)</sup>	16.4	6.3	3.5
Infant deaths	1 000	19	8	5
	Rate <sup>6)</sup>	23.4	12.7	8.3
<b>Life expectancy</b>				
Men	Years	67.4	69.9	71.5 <sup>1)</sup>
Women	Years	73.8	76.6	78.1 <sup>1)</sup>
<b>Migrations</b>				
across the borders				
of the Federal Republic	1 000	1 579	1 195	1 009 <sup>1)</sup>
Arrivals	1 000	1 072	753	598 <sup>1)</sup>
Departures	1 000	498	441	410 <sup>1)</sup>
Excess of arrivals (+) or departures (-)	1 000	+ 574	+ 312	+ 188 <sup>1)</sup>
between communities of the Federal Republic	1 000	3 662	3 024	2 538 <sup>1)</sup>

<sup>1)</sup> 1986. - <sup>2)</sup> Position: 30 June; figures of current calculation on the basis of the population census of 27 May 1970. - <sup>3)</sup> Excl. institutional households. - <sup>4)</sup> April 1986. - <sup>5)</sup> Per 1 000 inhabitants. - <sup>6)</sup> Per 1 000 live births. - <sup>7)</sup> Per 1 000 live births and foetal deaths.

## EMPLOYMENT

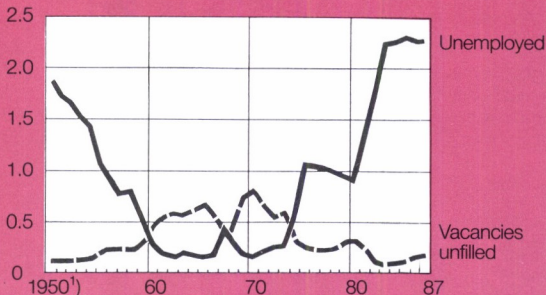
Data on the labour force participation of the population are provided by the occupational censuses conducted in connection with the population censuses, the annual microcensus and the quarterly evaluations of the statistics of persons employed subject to compulsory social insurance. Data on the situation on the labour market are supplied by the Federal Institute for Employment, Nuremberg.

	1970 <sup>1)</sup>	1980 <sup>1)</sup>	1987 <sup>1)</sup>
	1 000	1 000	1 000
<b>Economically active persons</b>	26 668	26 328	25 971
Male	17 086	16 499	15 929
Female	9 582	9 829	10 042

	1970 <sup>1)</sup>	1980 <sup>1)</sup>	1987 <sup>1)</sup>
	1 000	1 000	1 000
Self-employed	2 690	2 360	2 426
Unpaid family workers	1 732	959	838
Dependently employed	22 246	23 009	22 707
in agriculture, forestry, animal keeping and fisheries			
Self-employed	767	513	480
Unpaid family workers	1 200	680	602
Dependently employed	295	244	245
in production industries			
Self-employed	653	563	543
Unpaid family workers	145	87	68
Dependently employed	12 226	10 972	9 912
in trade, transport and communications			
Self-employed	664	625	643
Unpaid family workers	207	95	78
Dependently employed	3 784	4 149	3 981
in other sectors of economy <sup>2)</sup>			
Self-employed	606	659	760
Unpaid family workers	180	97	90
Dependently employed	5 941	7 644	8 569

### Unemployed and vacancies unfilled

Million



<sup>1)</sup> Excl. the Saar.

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	1970 <sup>1)</sup>	1980 <sup>1)</sup>	1987 <sup>1)</sup>
	1 000	1 000	1 000
<b>Foreign labour employed</b>	1 807	2 018	1 589 <sup>3)</sup>
Incl. male	1 278	1 394	1 101 <sup>3)</sup>
<b>Short-time workers</b>	10	137	278
<b>Unemployed</b>	149	889	2 229
Male	92	426	1 207
Female	56	462	1 021
Foreigners	5	107	262
<b>Vacancies unfilled</b>	795	308	171
<b>Placements</b>	2 988	1 905	1 998

<sup>1)</sup> Annual average. – <sup>2)</sup> Services. – <sup>3)</sup> End of June.

## AGRICULTURE, FORESTRY, FISHERIES

Data in a detailed material and regional breakdown on the structure of holdings, labour employed, land use and livestock of agricultural and forestry holdings are provided by the censuses of agriculture held at about 10 years' intervals (latest in 1979) and by the annual and biennial surveys of agricultural statistics.

	Unit	1970	1980	1987
<b>Agriculturally used area</b>	1 000 ha	13 578	12 248 <sup>1)</sup>	11 956
Incl.: Arable land	1 000 ha	7 539	7 270	7 270
Permanent grassland	1 000 ha	5 500	4 754	4 481
<b>Woodland</b>	1 000 ha	7 170	7 318 <sup>2)</sup>	7 360 <sup>3)</sup>
<b>Agricultural holdings</b>	1 000	1 083	797	683
with agriculturally used area of . . . ha				
1 to under 2	1 000	155	103	83
2 to under 5	1 000	251	155	124
5 to under 20	1 000	500	330	269
20 to under 100	1 000	174	205	201
100 and over	1 000	3	4	6

## Agriculturally used area 1987

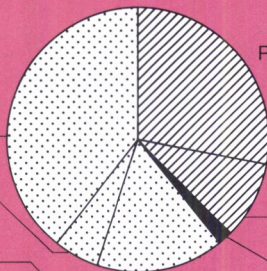
12.0 mn ha

Arable land:

Grain

Root crops

Fodder, industrial and horticultural crops, etc.



Permanent grassland:

Meadows and hay pastures

Herbages, rough grazings

Permanent crops, kitchen gardens

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### Agricultural labour<sup>4)</sup>

Incl. family labour

### Harvested quantities

Grain

Potatoes

Fruit

Vegetables

Wine must

Timber-cutting

### Livestock population

Cattle

Incl. milk cows

Pigs

Sheep

Horses

Milk production

Quantities slaughtered

Catches of sea fisheries

	Unit	1970	1980	1987
Agricultural labour <sup>4)</sup>	1 000	2 354	1 677	1 415
Incl. family labour	1 000	2 237	1 604	1 346
<b>Harvested quantities</b>				
Grain	1 000 t	17 297	23 087	23 770
Potatoes	1 000 t	16 250	6 694	6 836
Fruit	1 000 t	3 282	3 129	2 044
Vegetables	1 000 t	1 368	971	1 158
Wine must	1 000 hl	9 889	4 635	8 942
Timber-cutting	1 000 m <sup>3</sup>	28 196	30 327	29 177 <sup>5)</sup>
<b>Livestock population</b>				
Cattle	1 000	14 026	15 069	14 887
Incl. milk cows	1 000	5 593	5 469	5 077
Pigs	1 000	20 969	22 553	23 670
Sheep	1 000	843	1 179	1 414
Horses	1 000	253	382	368 <sup>5)</sup>
Milk production	1 000 t	21 856	24 779	24 436
Quantities slaughtered	1 000 t	3 986	4 808	5 069
Catches of sea fisheries	1 000 t	591	287	160

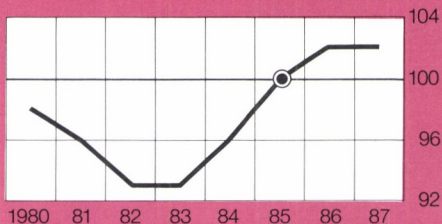
<sup>1)</sup> Decrease partly due to changes of the lower limit of coverage. – <sup>2)</sup> 1979. – <sup>3)</sup> 1985. – <sup>4)</sup> On holdings with 2 ha and over. – Excl. Hamburg, Bremen and Berlin. – <sup>5)</sup> 1986.

# PRODUCTION INDUSTRIES

Production industries comprise energy and water supply, mining, manufacturing and building industry; handicrafts are included. The statistics generally cover only enterprises with 20 and more persons engaged. The central part are the monthly reports; further material is provided on a quarterly basis by the reports on handicrafts and the production surveys, and annually by the surveys on investments and the cost structure.

	Unit	1970	1979	1987
<b>Mining and manufacturing<sup>1)</sup></b>				
Local units <sup>2)</sup>	Number	●	49 176	44 164
Persons engaged <sup>2)</sup>	1 000	8 887	7 607	7 055
Manhours worked	mn	12 531	9 254	7 779
Total wages and salaries	DM bn	128	239	316
Turnover <sup>3)</sup>	DM bn	588	1 105	1 477
Incl. foreign turnover <sup>3)</sup>	DM bn	107	266	439
Index of orders received <sup>4)</sup>				
Manufacturing	1980 = 100	53	96	128
Primary and producers' goods industries	1980 = 100	54	95	118
Investment-goods prod. ind.	1980 = 100	51	97	137
Consumer-goods prod. ind.	1980 = 100	57	96	121

**Index of net production for mining and manufacturing 1985 = 100**



	Unit	1970	1979	1987
<b>Index of net production</b>				
Production industries	1985 = 100	●	99	103
Electricity and gas supply	1985 = 100	●	91	103
Mining and manufacturing	1985 = 100	●	98	102
Mining	1985 = 100	●	109	92
Manufacturing	1985 = 100	●	97	103
Primary and producers' goods industries	1985 = 100	●	106	99
Investment-gds. prod. ind.	1985 = 100	●	89	105
Consumer-gds. prod. ind.	1985 = 100	●	108	103
Food, beverages and tobacco ind.	1985 = 100	●	95	100
Building industry proper	1985 = 100	●	122	106
<b>Index of labour productivity<sup>5)</sup></b>				
per person engaged	1985 = 100	●	90	101
per wage earner	1985 = 100	●	88	102
<b>Production</b>				
Hard coal (output)	mn t	111	86	76
Petrol, spec. & testing benzines	1 000 t	14 103	21 734	18 987
Fuel oils	1 000 t	62 170	60 427	31 768
Cement (excl. cement clinker)	1 000 t	38 325	35 659	25 268
Pig iron and ferro alloys	1 000 t	33 627	35 167	28 918
Raw steel	1 000 t	45 041	46 040	36 577
Rolled steel	1 000 t	32 291	32 813	27 092
Virgin aluminium	1 000 t	309	742	738
Passenger cars <sup>6)</sup>	1 000	3 529	3 943	4 348
Radio sets	1 000	6 728	4 472	5 141
Television sets	1 000	2 936	4 105	3 537
Plastics	1 000 t	4 363	7 310	8 140
Chemical fibres	1 000 t	510	564	993
Sawn wood	1 000 m <sup>3</sup>	9 383	10 245	9 682
Paper and paperboard	1 000 t	5 692	7 900	9 967
Beer	1 000 hl	81 995	87 851	87 804
Cigarettes	bn	130	156	158
<b>Building industry proper</b>				
Establishments	Number	64 339	60 666	59 030
Persons engaged	1 000	1 529	1 240	985
Hours worked	mn	2 526	1 724	1 237



	Unit	1970	1979	1987
Total wages and salaries	DM mn	22 162	33 853	34 514
Turnover of construction <sup>3)</sup>	DM bn	55	92	106
Index of				
orders received <sup>4)</sup>	1980 = 100	•	97	93
orders on hand <sup>4)</sup>	1980 = 100	•	96	82
production	1985 = 100	•	122	106
<b>Power supply</b>				
Gas	bn m <sup>3</sup>	41	45	33
Electricity	bn kWh	243	372	418
<b>Handicrafts<sup>7)</sup></b>				
Persons engaged	1 000	3 911	3 850	3 637
Turnover	DM bn	173	289 <sup>3)</sup>	354 <sup>3)</sup>

<sup>1)</sup> Local units of enterprises generally with 20 and more persons engaged. – <sup>2)</sup> Annual average. – <sup>3)</sup> Excl. turnover (value added) tax. – <sup>4)</sup> Value index. – <sup>5)</sup> Mining and manufacturing. – <sup>6)</sup> Incl. estate cars. – <sup>7)</sup> Excl. subsidiary establishments.

## BUILDING ACTIVITY AND DWELLINGS

The housing and building statistics cover the construction scene from the planning stage up to the completion of buildings. In addition to the monthly building reports, data are supplied mainly by the monthly statistics on building activity which also provide data on building permits and completions of buildings. Structural data of great detail are derived from the censuses of buildings and dwellings (latest in 1987); they also serve as a basis for the annual updating of the dwelling stock and provide the sampling frame for the housing sample surveys (latest in 1978).

	Unit	1970	1980	1987
<b>Work authorized</b>				
Dwellings <sup>1)</sup>	1 000	609	381	191
Residential buildings <sup>2)</sup>	1 000	218	197	109
Incl. industrialized building	1 000	15	24	9
Volume enclosed	mn m <sup>3</sup>	267	215	108
Dwellings	1 000	572	356	170
Estimated costs of the building	DM mn	33 647	57 164	35 453

	Unit	1970	1980	1987
Non-residential buildings <sup>2)</sup>	1 000	47	39	30
Incl. industrialized building	1 000	6	10	9
Volume enclosed	mn m <sup>3</sup>	231	174	144
Dwellings	1 000	13	9	5
Estimated costs of the building	DM mn	20 963	29 977	29 537

### Work completed

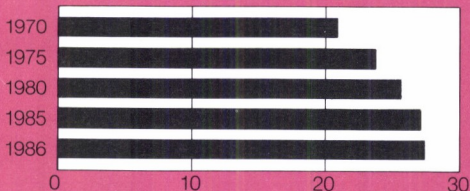
Dwellings <sup>1)</sup>	1 000	478	389	217
Incl. in residential buildings <sup>2)</sup> <sup>3)</sup>	1 000	445	363	196
with ... rooms <sup>4)</sup>				
1 and 2	%	11	8	•
3	%	16	14	•
4	%	31	19	•
5 and more	%	42	59	•
Living space per dwelling	m <sup>2</sup>	84	102	96

### Subsidized dwellings

(permits) <sup>1)</sup>	1 000	165	97	52 <sup>5)</sup>
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### Development of dwelling stock

Million



Statistisches Bundesamt 88 0424

	Unit	1970	1980	1987
<b>Building and dwelling stock</b>				
Residential buildings	1 000	9 222	11 217	12 087 <sup>5)</sup>
Dwellings	1 000	20 807	25 406	27 319 <sup>5)</sup>
with ... rooms <sup>4)</sup>				
1 and 2	%	10	11	11 <sup>5)</sup>
3	%	26	24	23 <sup>5)</sup>
4	%	32	30	30 <sup>5)</sup>
5 and more	%	32	35	37 <sup>5)</sup>

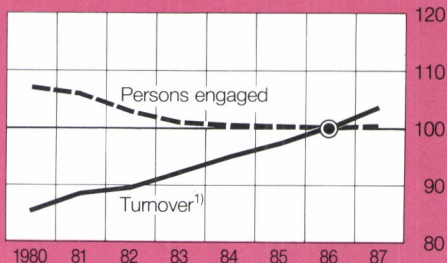
<sup>1)</sup> In residential and non-residential buildings (incl. building measures at existing buildings). - <sup>2)</sup> Construction of new buildings. - <sup>3)</sup> As from 1983 incl. residential homes. - <sup>4)</sup> Incl. kitchens. - <sup>5)</sup> 1986.

# COMMERCE, HOTEL AND RESTAURANT INDUSTRY, TOURISM

The system of statistics in the hotel and restaurant industry comprises the censuses of distribution conducted at larger intervals (latest in 1985) covering for all enterprises and establishments in particular turnover and number of persons engaged, as well as monthly and annual sample surveys. The data relating to tourism are derived from the accommodation statistics. The statistics of the Berlin trade as well as the trade in goods with the GDR are based on the evaluation of the waybills.

	Unit	1970	1979	1987
<b>Wholesale trade</b>				
Persons engaged	1980 = 100	107	98	95
Raw materials and semi-finished products	1980 = 100	106	98	91
Finished products	1980 = 100	107	98	97
Turnover <sup>1)</sup>	1980 = 100	50	95	110
Raw materials and semi-finished products	1980 = 100	46	94	91
Finished products	1980 = 100	54	95	130
<b>Retail trade</b>				
Persons engaged	1986 = 100	109	107	101
Turnover <sup>2)</sup>	1986 = 100	42	81	104
Department stores	1986 = 100	57	103	99
Mail order houses	1986 = 100	51	92	105

## Persons engaged and turnover in retail trade 1986 = 100



<sup>1)</sup> At current prices.

	Unit	1970	1979	1987
<b>Hotel and restaurant industry</b>				
Persons engaged	1986 = 100	92	97	102
Turnover <sup>2)</sup>	1986 = 100	52	83	102
Lodging trade	1986 = 100	43	76	104
Restaurant industry	1986 = 100	57	88	101
<b>Tourism</b>				
		<b>1970</b>	<b>1980</b>	<b>1987</b>
Guest beds	1 000	1 004	1 450	1 745
Arrivals	mn	40	54	62
Incl. foreign guests	mn	8	10	13
Tourist nights	mn	185	250	226
Incl. foreign guests	mn	16	23	29
Average length of stay of guests	Days	5	5	4
<b>Berlin trade</b>				
Deliveries from Berlin (West)	DM mn	15 639	28 428	36 289
Deliveries to Berlin (West)	DM mn	16 077	23 322	26 594
<b>Merchandise trade with the GDR and Berlin (East)</b>				
Purchases	DM mn	1 996	5 580	6 650
Deliveries	DM mn	2 416	5 293	7 406

<sup>1)</sup> Excl. turnover (value added) tax. - <sup>2)</sup> Incl. turnover (value added) tax.

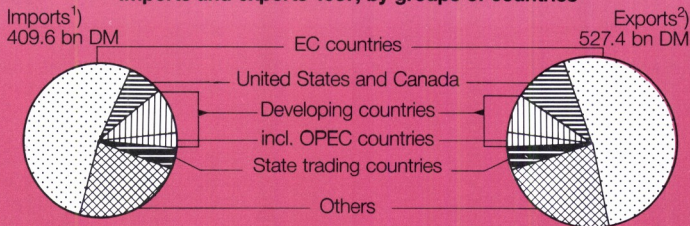
## FOREIGN TRADE

Foreign trade statistics present the frontier-crossing trade in goods between the Federal Republic of Germany and foreign countries. For this purpose, the declarations submitted by importers and exporters are forwarded by the customs authorities to the Federal Statistical Office for evaluation. The presentation includes data on quantities and values of imports and exports in a detailed breakdown.

	1970	1980	1987
	DM mn	DM mn	DM mn
<b>Imports</b>	109 606	341 380	409 641
Foodstuffs etc.	20 924	43 363	51 827
Live animals	338	657	655

	<b>1970</b>	<b>1980</b>	<b>1987</b>
	DM mn	DM mn	DM mn
<b>Food</b>			
of animal origin	4 815	10 200	12 667
of vegetable origin	12 870	25 752	30 670
<b>Beverages and tobacco</b>	2 901	6 753	7 835
<b>Industrial goods</b>	87 233	293 706	349 459
Raw materials	14 809	58 929	27 956
Semi-finished products	17 660	59 918	50 994
Finished products	54 763	174 859	270 509
Pre-products	16 999	45 187	59 508
Final products	37 764	129 672	211 000
<b>Major commodity groups<sup>1)</sup></b>			
Chemical products	7 886	26 659	40 209
Electrical goods	5 772	20 939	37 446
Road vehicles	4 925	16 005	31 983
Prod. of mechanical engineering	6 573	16 423	23 750
Textiles	6 792	17 311	23 132
Petroleum, natural gas and bituminous stones	6 293	53 973	22 580
Mineral oil products	2 645	18 711	13 893
Non-ferrous metals and semi-finishes	8 248	16 175	13 327
<b>Major countries of production<sup>1)</sup></b>			
France	13 899	36 591	47 482
Netherlands	13 313	39 147	44 934
Italy	10 836	27 083	39 206
Great Britain and Northern Ireland	4 264	22 860	29 394
Belgium and Luxembourg	10 388	24 462	29 129
United States	12 066	25 690	25 613
Japan	2 052	10 434	25 245
Switzerland	3 336	12 139	18 968
Austria	2 313	9 825	17 293
<b>Exports</b>	125 276	350 328	527 377
Foodstuffs etc.	4 380	18 471	26 397
Industrial goods	120 194	329 357	497 381
Raw materials	3 188	6 792	6 625
Semi-finished products	9 577	30 520	28 610
Finished products	107 430	292 045	462 145
Pre-products	23 034	62 630	86 966
Final products	84 395	229 415	375 180

## Imports and exports 1987, by groups of countries



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<sup>1)</sup> Countries of production. - <sup>2)</sup> Countries of consumption.

	1970	1980	1987
	DM mn	DM mn	DM mn
<b>Major commodity groups<sup>1)</sup></b>			
Road vehicles	18 288	52 837	98 538
Products of mechanical engineering	24 194	57 599	80 847
Chemical products	16 660	46 222	70 543
Electrical goods	12 133	34 359	57 924
Iron and steel	8 373	18 693	18 716
Textiles	5 386	12 158	18 368
Iron, steel, sheet and metal goods	4 072	9 896	14 638
Office equipment <sup>2)</sup>	2 318	5 438	12 803
Precision and optical goods; clocks and watches	2 725	6 638	10 493
Non-ferrous metals and semi-finishes	2 809	9 928	10 145
Aircraft and spacecraft	638	5 147	8 103
<b>Major countries of consumption<sup>1)</sup></b>			
France	15 480	46 615	63 609
United States	11 437	21 478	49 879
Great Britain and Northern Ireland	4 456	22 917	46 632
Netherlands	13 313	33 273	46 088
Italy	11 172	29 936	46 056
Belgium-Luxembourg	10 294	27 482	38 846
Switzerland	7 674	20 007	32 126
Austria	5 684	19 257	28 410
Sweden	4 688	10 127	15 842
<b>Export surplus</b>	<b>15 670</b>	<b>8 947</b>	<b>117 735</b>

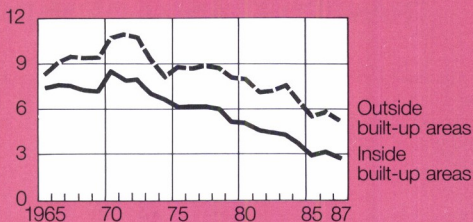
<sup>1)</sup> Order according to volume of 1987 imports and exports, respectively. - <sup>2)</sup> Incl. data processing machines and equipment.

# TRANSPORT AND COMMUNICATIONS

For the individual transport sectors, the presentation comprises data on trafficways, means of transport and transport performance, and generally on enterprises, persons engaged and turnover. Data on road traffic accidents are compiled monthly on the basis of the relevant reports.

	Unit	1970	1980	1987
<b>Trafficways</b>				
Railway lines	km	33 010	31 497	30 349
Roads (other than local)	km	162 344	171 251	173 478
Incl. Federal Autobahn system	km	4 110	7 292	8 437
Motorbus lines	km	629 441	571 175	512 813
<b>Means of transport</b>				
Locomotives and railcars	Number	10 489	10 160	9 145
Wagons	1 000	332	342	239
Passenger cars, total <sup>1)</sup>	1 000	13 941	23 192	27 908
Incl. low-polluting	1 000	●	●	5 545
New registrations of passenger cars <sup>1)2)</sup>	1 000	2 107	2 426	2 916
Incl. low-polluting	1 000	●	●	2 402
Motor lorries	1 000	1 028	1 277	1 305
Motorcycles	1 000	229	738	1 391
Inland water craft <sup>3)</sup>	Number	6 336	3 812	3 063
Merchant vessels <sup>4)</sup>	1 000 GRT	8 431	7 608	3 768
Aircraft <sup>5)</sup>	Number	3 792	7 769	8 314
<b>Passengers carried</b>				
Railways	mn	1 054	1 165	1 139
Road transport <sup>6)</sup>	mn	6 170	6 730	5 694
Air transport	1 000	21 340	35 879	48 735
<b>Goods carried</b>				
Railways	mn t	392	364	307
Long-distance road haulage	mn t	165	298	365
Inland waterways	mn t	240	241	221
Sea-borne transport	mn t	138	154	133
Air transport	1 000 t	315	604	842
Pipelines	mn t	81	76	57
<b>Communications</b>				
Letters posted	mn	10 680	12 240	13 332
Telephone calls	mn	10 216	21 903	30 326

**Persons killed in road traffic accidents**  
Thousand



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	Unit	1970	1980	1987
<b>Road traffic accidents</b>				
Accidents involving personal injury	Number	377 610	379 235	325 519
Persons killed	Number	19 193	13 041	7 967
Persons injured	Number	531 795	500 463	424 622

<sup>1)</sup> Position: 1 July. - <sup>2)</sup> Factory-new vehicles. - <sup>3)</sup> Only for goods transport. - <sup>4)</sup> Vessels of 100 GRT and over. - <sup>5)</sup> Motorized aircraft. - <sup>6)</sup> Transport performed by high-speed city railways, tramways, trolley-buses and motorbuses.

## MONEY AND CREDIT, INSURANCE

The statistics on money and credit are predominantly compiled by the Deutsche Bundesbank on the basis of the data provided by the credit institutions. The index of share prices is computed at the Federal Statistical Office. The competent authority for insurance statistics is the Federal Insurance Supervisory Office.

	Unit	1970	1980	1987
<b>Note and coin circulation</b>	DM mn	39 488	91 191	135 901
<b>Banks</b>				
Deutsche Bundesbank <sup>1)</sup>				
Monetary reserves <sup>2)</sup>	DM mn	51 338	83 007	122 630
Bills and collateral claims	DM mn	15 833	46 965	34 510
Deposits	DM mn	35 018	56 591	68 418
Credit institutions <sup>1)</sup>				
Lending to non-banks	DM mn	543 733	1 542 852	2 317 932
Incl. for periods of over 1 year	DM mn	349 136	1 134 781	1 757 408



	Unit	1970	1980	1987
Deposits of non-banks				
Sight and time deposits	DM mn	200 045	547 273	918 099
Savings deposits	DM mn	205 440	490 538	716 263
Incl. with premiums	DM mn	20 239	47 980	26 476
Building and loan associations <sup>1)</sup>				
Savings deposits	DM mn	40 360	110 606	116 194
Mortgages and intermediate credits	DM mn	33 785	115 836	138 788

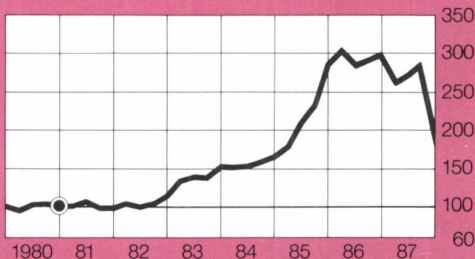
### Security market

Gross sales				
Fixed-interest securities <sup>3)4)</sup>	DM mn	20 816	137 453	245 370
Shares <sup>3)5)</sup>	DM mn	5 154	4 940	5 514
Index of share prices <sup>1)</sup>	1980 = 100	86	100	193

### Index of share prices

30 Dec. 1980 = 100

Position at end  
of quarter



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	Unit	1970	1980	1987
<b>Life assurances</b>				
Gross premiums	DM mn	10 073	30 688	41 994
Policies <sup>1)</sup>	1 000	55 153	66 921	67 985
Sum assured <sup>1)6)</sup>	DM	4 049	11 742	19 055
<b>Inability to pay debts</b>				
Insolvencies	Number	4 201	9 140	17 589
Bankruptcy proceedings	Number	3 943	9 059	17 543
Composition proceedings instituted	Number	324	94	84
Protests of bills of exchange	1 000	255	149	105

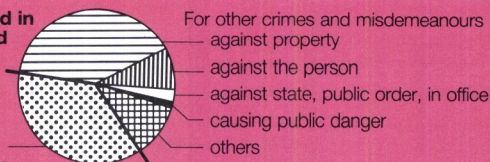
<sup>1)</sup> Year-end. - <sup>2)</sup> And other foreign assets. - <sup>3)</sup> Of domestic origin. - <sup>4)</sup> Excl. registered bonds. - <sup>5)</sup> Additions of new shares. - <sup>6)</sup> Average.

# JUSTICE

The statistics on the administration of justice provide information on the activities of the courts and on the offenders. Data on the courts comprise information on the staff and the number of cases. The annual criminal statistics of the courts present data on convicted persons and the offences committed in a breakdown by personal characteristics.

	Unit	1970	1980	1987
<b>Courts</b>				
Civil and criminal courts <sup>1)</sup>	Number	889	670	664
Labour, administrative, social and finance courts <sup>1)2)</sup>	Number	200	191	194
Judges at Laender and federal courts	Number	12 954	16 657 <sup>3)</sup>	17 380
Public prosecutors	Number	2 709	3 593 <sup>3)</sup>	3 725
Lawyers <sup>4)</sup>	Number	24 400	38 272 <sup>3)</sup>	50 247

## Persons convicted in 1986 by combined main groups of offences



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	Unit	1970	1980	1986
<b>Persons convicted</b>	1 000	643	732	699
	Rate <sup>5)</sup>	1 346	1 433	1 328
Excl. in connection with road traffic	1 000	335	403	442
	Rate <sup>5)</sup>	701	789	839
Men	1 000	271	322	354
	Rate <sup>5)</sup>	1 215	1 340	1 420
Women	1 000	64	81	88
	Rate <sup>5)</sup>	252	300	316
Juveniles	1 000	46	58	42
	Rate <sup>5)</sup>	1 446	1 376	1 217
Adolescents	1 000	43	52	53
	Rate <sup>5)</sup>	1 755	1 754	1 692
Adults	1 000	246	293	346
	Rate <sup>5)</sup>	583	667	752

	Unit	1970	1980	1986
Selected offences				
Larceny and embezzlement	1 000	139	163	170
Robbery, extortion	1 000	3	5	6
Other offences against property	1 000	54	70	104
Bodily injury	1 000	22	29	30
Sexual offences	1 000	8	6	5
Others relating to the person	1 000	49	56	54
Against state, public order, in office	1 000	16	17	18
Causing public danger	1 000	10	9	9
In connection with road traffic	1 000	308	329	258
	Rate <sup>5)</sup>	645	644	489

<sup>1)</sup> Always position as of 1 Jan. of the following year. – <sup>2)</sup> Courts of first instance only. – <sup>3)</sup> 1981. –

<sup>4)</sup> Incl. lawyers who are also notaries public, and notaries public. – <sup>5)</sup> Per 100 000 of population of competent age of the respective group of persons.

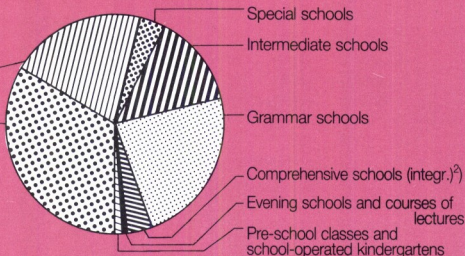
## EDUCATION

Data on pupils and teachers are collected within the scope of school statistics from the headmasters of public and private schools. Figures on apprentices and trainees are annually reported to official statistics by the relevant professional chambers. Detailed data on students and university teachers are made available for each term, or annually, by the university statistics.

	1970	1980	1987
<b>Pupils at</b>	1 000	1 000	1 000
<b>schools of general education</b>	8 968	9 186	6 798
Incl.: Elementary schools	3 973	2 773	2 296
Post-primary schools <sup>1)</sup>	2 375	2 272	1 372
Special schools	322	354	253
Intermediate schools	863	1 351	924
Grammar schools	1 379	2 119	1 602
Comprehensive schools (integr.) <sup>2)</sup>	–	220	244
Evening schools and courses of lectures	24	35	41
<b>schools of vocational education</b>	2 035	2 576	2 525
Incl.: Part-time vocational schools <sup>3)</sup>	1 600	1 970	1 904
Full-time vocational schools	205	326	303
Trade and technical schools (vocational) <sup>4)</sup>	102	95	108
<b>public health schools</b>	65	97	110

## Pupils at schools of general education 1987

Post-primary schools<sup>1)</sup>  
Elementary schools



<sup>1)</sup> Incl. fifth and sixth years' orientation stage for all types of schools. -

<sup>2)</sup> Incl. "Freie Waldorfschulen".

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	1970	1980	1987
	1 000	1 000	1 000
<b>School graduates<sup>5)</sup></b>			
After completion of full-time compulsory ed.	481	506	350 <sup>6)</sup>
With completed intermediate or equivalent school education	200	381	391 <sup>6)</sup>
With completed school education qualifying for enrolment in an instit. of higher education or a vocational college	88	219	291 <sup>6)</sup>
<b>Apprentices</b>	1 269	1 715	1 738
Industry and commerce	725	787	866
Handicrafts	420	702	618
Other sectors of vocational training	124	226	255
<b>Final examinations passed in vocational training Students<sup>7)</sup></b>	528	1 036	1 411
Universities <sup>8)</sup>	412	818	1 060
Colleges of arts	10	18	22
Higher technical colleges	106 <sup>9)</sup>	200	329
<b>Examinations passed at inst. of higher education Teachers<sup>11)</sup></b>	102 <sup>10)</sup>	124	150 <sup>6)</sup>
Schools of general education	313	498	495 <sup>6)</sup>
Schools of vocational education	42	75	90 <sup>6)</sup>
Public health schools	•	3	•
<b>Teachers at institutions of higher education<sup>12)</sup></b>	54	127	142 <sup>6)</sup>
Universities <sup>8)</sup>	48	105	114 <sup>6)</sup>
Colleges of arts	1	4	5 <sup>6)</sup>
Higher technical colleges	5 <sup>9)</sup>	18	23 <sup>6)</sup>

<sup>1)</sup> Incl. fifth and sixth years' orientation stage for all types of schools. - <sup>2)</sup> Incl. "Freie Waldorfschulen". -

<sup>3)</sup> Incl. special part-time vocat. schools, preparatory vocational year and basic vocational training year. -

<sup>4)</sup> Incl. technical and vocational academies. - <sup>5)</sup> Schools of general and of vocational education. - <sup>6)</sup> 1986. -

<sup>7)</sup> In each case winter term. - <sup>8)</sup> Incl. teacher training colleges, theol. colleges and Gesamthochschulen. -

<sup>9)</sup> Engineering academies and higher trade and technical schools. - <sup>10)</sup> 1973. - <sup>11)</sup> Teachers working on full-time or part-time basis as their main occupation. - <sup>12)</sup> Scientific and artistic staff.

# CULTURE

In the cultural sphere, a centrally conducted survey is performed by the Federal Statistical Office only for the press sector. Data on theatres are compiled by the German Association of Cities and data on cinemas by the Central Organization of the Motion Picture Industry (SPIO). The remaining data are being supplied by the German Association of Adult Education Schools, the radio and television institutions, the Institute for Museology of the State Museums Prussian Cultural Heritage, the Association of the German Book Trade, the German Association of Youth Hostels and the German Sports Association.

	Unit	1970	1980	1987
<b>Adult education schools</b>	Number	1 169	878	837 <sup>1)</sup>
Enrolments	1 000	5 693	8 045	8 608 <sup>1)</sup>
<b>Public theatres</b>	Number	194	221	280
Seats	1 000	127	134	148
Attendance	1 000	17 655	17 377	16 009
<b>Cinemas</b>	Number	●	3 354	3 262 <sup>1)</sup>
Seats	1 000	●	910	643 <sup>1)</sup>
Attendance	1 000	●	143 800	105 200 <sup>1)</sup>
<b>Radio and television</b>				
Radio subscribers	1 000	19 622	23 323	26 391 <sup>2)</sup>
Television subscribers	1 000	16 675	21 190	23 378 <sup>2)</sup>
<b>Museums</b>	Number	●	●	1 763 <sup>1)</sup>
Visitors	1 000	●	●	62 432 <sup>1)</sup>
<b>Book publishing</b>				
First editions	Number	38 703	54 572	50 219 <sup>1)</sup>
Re-editions	Number	8 393	12 604	13 460 <sup>1)</sup>
<b>Press</b>				
Newspapers	Number	●	368	356 <sup>1)</sup>
Periodicals	Number	●	6 243	6 908 <sup>1)</sup>
<b>Youth hostels</b>	Number	633	566	545
Beds	Number	75 962	71 548	70 949
Overnights	1 000	7 790	10 805	8 554
<b>German Sports Association</b>				
Clubs	Number	39 201	53 451	64 251
Members	1 000	8 287	14 441	17 520
Sports badges awarded	1 000	216	434	471

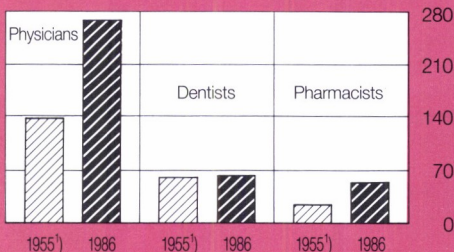
<sup>1)</sup> 1986. – <sup>2)</sup> Incl. subscribers exempted from fees.

# PUBLIC HEALTH

The statistics on the state of health of the population and the medical care available are as a rule based on the reports of the professional medical associations as well as of the public health offices and the hospitals. The microcensus provides every three years information on sick persons and persons injured in accidents.

	1970	1980	1987
<b>Notifiable diseases</b>			
Typhoid fever	477	352	228
Salmonellosis	12 410	48 537	39 342
Tuberculosis (all forms)	48 262	25 924	14 976 <sup>1)</sup>
Diphtheria	57	19	6
Poliomyelitis	15	7	4
Venereal diseases	81 884 <sup>2)</sup>	57 786	17 457
Encephalitis and meningitis	6 787	6 120	3 403
Infectious hepatitis	21 770	20 011	11 249
<b>Most frequent causes of death</b>			
Diseases of circulatory system	324 095	359 503	351 541 <sup>1)</sup>
Incl. cerebrovascular diseases	106 740	102 329	90 652 <sup>1)</sup>
Malignant neoplasms <sup>3)</sup>	134 301	148 109	152 946 <sup>1)</sup>
Accidents and poisoning	38 997	27 692	21 078 <sup>1)</sup>

## Physicians, dentists, pharmacists Per 100 000 inhabitants



<sup>1)</sup> Excl. the Saar.

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	1970	1980	1986
<b>Physicians and nursing staff</b>			
Physicians	99 654	139 431	165 015
Dentists	31 175	33 240	38 055
Veterinarians	8 598	9 441	11 009
Nursing staff <sup>4)</sup>	175 183	281 651	315 090
Midwives <sup>4)</sup>	5 563	4 981	5 518

	1970	1980	1986
<b>Pharmacies</b>			
Pharmacies	11 526	16 244	17 960
Pharmacists	20 866	28 674	33 025
<b>Hospitals</b>			
Hospitals	3 587	3 234	3 071
Beds (actually operated) <sup>5)</sup>	683 254	707 710	674 384
Physicians	46 550	72 540	85 238
Incl. foreigners	4 613	8 590	4 973
In-patients (in thousands)	9 338	11 596	12 601
Length of stay (days) <sup>6)</sup>	25	20	18
Bed occupancy rate <sup>6)</sup> (in %)	89	85	87
<b>Abortions</b>	●	87 702	88 540 <sup>7)</sup>

1) 1986. - 2) 1971. - 3) Excl. neoplasms of lymphatic and blood-forming tissues. - 4) Only staff employed in hospitals. - 5) 1970 and 1980 scheduled beds. - 6) Average. - 7) 1987.

## SOCIAL SECURITY SCHEMES

Information on social expenditure is derived from the records of the carriers of social security schemes, as well as from the official statistics on public assistance, on the additional aid to war victims and on public youth welfare. The data on unemployment pay and children's allowances were supplied by the Federal Institute for Employment, Nuremberg.

	Unit	1970	1980	1987
<b>Public health insurance</b>				
Members (incl. pensioners)	1 000	30 646	35 395	36 450 <sup>1)</sup>
Expenditure	DM mn	25 179	89 834	119 867 <sup>1)</sup>
<b>Public accident insurance</b>				
Number of pensions paid <sup>2)</sup>	1 000	1 018	1 005	956 <sup>1)</sup>
Expenditure <sup>3)</sup>	DM mn	4 881	11.356	13 418 <sup>1)</sup>
<b>Workers' old age insurance funds</b>				
Number of pensions paid	1 000	6 921	8 509	8 798
Expenditure	DM mn	31 939	80 145	96 782 <sup>1)</sup>
<b>Employees' old age insurance funds</b>				
Number of pensions paid	1 000	2 537	3 871	4 810
Expenditure	DM mn	16 409	57 131	80 348 <sup>1)</sup>
<b>Miners' old age insurance funds</b>				
Number of pensions paid	1 000	753	727	709
Expenditure	DM mn	6 131	13 303	14 919 <sup>1)</sup>

	Unit	1970	1980	1987
<b>Unemployment pay and unemployment relief</b>				
Recipients	1 000	113	576	1411
Expenditure	DM mn	722	10 220	24 323
<b>Assistance for war victims</b>				
Persons qualifying for pensions	1 000	2 564	1 952	1 493
<b>Public assistance</b>				
Assisted persons	1 000	1 491	2 144	3 020 <sup>1)</sup>
Expenditure	DM mn	3 335	13 266	23 197 <sup>1)</sup>
<b>Public youth welfare</b>				
Expenditure	DM mn	1 379	5 313	6 701 <sup>1)</sup>
<b>Children's allowances</b>				
Recipients <sup>4)</sup>	1 000	14 065 <sup>5)</sup>	12 541	10 134
Expenditure	DM mn	11 588 <sup>5)</sup>	13 393	10 743
<b>Housing allowances</b>				
Recipients <sup>6)</sup>	1 000	908	1 486	1 692
Expenditure	DM mn	599	1 835	3 714

<sup>1)</sup> 1986. – <sup>2)</sup> Excl. accident insurance for pupils. – <sup>3)</sup> 1987 incl. accident insurance for pupils. – <sup>4)</sup> Children of beneficiaries; position: Nov./Dec. – <sup>5)</sup> 1975. – <sup>6)</sup> Excl. retroactive authorizations.

## FINANCE AND TAXES

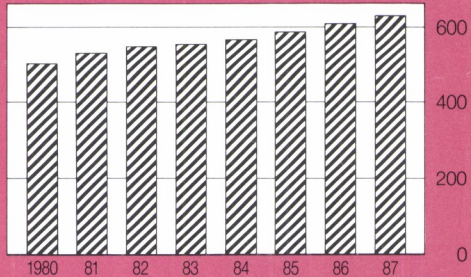
The finance statistics present a comprehensive picture of the development of public finance. Data on expenditure, revenue and debts of public budgets, as well as on personnel and pensioners of the public service, are shown with differing periodicities and breakdowns. The tax statistics, which are regularly compiled by evaluating the taxation records, provide information on the total amount and structure of tax revenue as well as the respective assessment bases such as income, capital gains and profits, wealth, turnovers, consumption. The annual reports of the local authorities provide regional results on the yield and the assessment bases of the tax on land and buildings and of the trade taxes.

	1970	1980	1987
<b>Public budgets</b>	DM mn	DM mn	DM mn
<b>Expenditure<sup>1)</sup></b>	196 330	498 088	628 536
Federal Government	88 207	217 579	270 864
Laender	77 094	208 648	262 615
Communities/local authorities	56 486	145 578	178 063



## Expenditure of public budgets

DM bn



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	1970	1980	1987
	DM mn	DM mn	DM mn
<b>Selected types of functions</b>			
Personnel expenses	61 484	162 570	208 174
Current expenditure on materials	31 713	75 146	102 423
Interest expenses	6 864	29 649	58 852
Construction activities	25 797	46 634	40 183
<b>Selected functions</b>			
Defence	19 831	40 937	52 049 <sup>2)</sup>
Public safety, justice	7 889	22 213	27 561 <sup>2)</sup>
Schools, universities etc.	24 784	73 031	83 614 <sup>2)</sup>
Science, research	2 819	9 707	12 633 <sup>2)</sup>
Social security	40 355	107 995	130 302 <sup>2)</sup>
Public health, sports, recreation	10 208	31 657	39 136 <sup>2)</sup>
Housing and physical planning	10 727	30 346	35 045 <sup>2)</sup>
Economic promotion	14 417	22 574	23 935 <sup>2)</sup>
Transport and communications	17 585	31 324	29 139 <sup>2)</sup>
<b>Cash tax revenue</b>	152 664	364 916	468 660
Joint taxes	99 949	267 300	348 848
Wage tax	35 086	111 559	164 176
Assessed income tax	16 001	36 796	30 695
Capital yield tax	2 021	4 175	7 880
Corporation tax	8 716	21 322	27 302
Turnover (value added) tax	26 791	52 851	67 384
Turnover tax on imports	11 334	40 597	51 411

	1970	1980	1987
	DM mn	DM mn	DM mn
Federal taxes	27 505	46 053	57 269
Incl.: Insurance taxes	617	1 779	2 725
Customs duties	2 980	4 603	5 549
Tobacco tax	6 536	11 288	14 507
Coffee tax	1 057	1 478	1 693
Spirits duties	2 228	3 885	4 072
Mineral-oil tax	11 512	21 351	26 136
Laender taxes	9 531	16 072	22 235
Incl.: Property tax	2 877	4 664	5 422
Inheritance tax	523	1 017	2 237
Tax on acquisition of real estate	465	1 019	2 727
Motor vehicle tax	3 830	6 585	8 365
Betting and lottery tax	566	1 282	1 850
Beer tax	1 175	1 262	1 260
Local taxes	15 679	35 491	40 309
Incl.: Tax on land and buildings A and B	2 683	5 804	7 907
Trade tax	12 117	27 960	31 438
Revenue after distribution			
of Federal Government	83 705	177 542	218 838
of Laender <sup>3)</sup>	50 482	125 474	166 488
of communities/local authorities <sup>4)</sup>	18 240	51 299	64 849
of European Communities	—	10 619	18 323
Further:			
Equalization of burdens levies	1 582	75	— 0
<b>Debts<sup>5)</sup></b>	123 174	460 886	842 766
Federal Government	54 456	229 988	440 474
Incl. Equalization of Burdens Fund	6 710	2 529	847
E.R.P. Special Fund	1 296	3 200	5 713
Laender	27 448	136 032	282 334
Communities/local authorities	39 974	84 743	106 716 <sup>6)</sup>

	1970	1980	1987
	1 000	1 000	1 000
<b>Personnel<sup>7)</sup></b>	3 099	3 598	3 609
Federal Government <sup>8)</sup>	305	316	313
Laender	1 210	1 568	1 549
Communities/local authorities	758	920	992
Communal associations	19	30	39
German Federal Railways	405	338	276
Federal Postal Administration	402	426	441
Service relationship			
Officials and judges	1 402	1 673	1 658
Salaried employees	900	1 126	1 160
Wage earners	796	800	792

<sup>1)</sup> Adjusted for payments between central and local government. - <sup>2)</sup> 1986. - <sup>3)</sup> Incl. state taxes of city states. - <sup>4)</sup> Incl. local taxes of city states. - <sup>5)</sup> Excl. debt towards administrative bodies. - <sup>6)</sup> Excl. debt of community-owned enterprises. - <sup>7)</sup> Full-time staff of direct public service. - 1987 preliminary and partly estimated result. - <sup>8)</sup> Excl. soldiers.

## FAMILY BUDGET SURVEYS AND SUPPLY

The continuous family budget surveys are based on the monthly notations in the household books of approximately 1 000 selected households. They in particular provide information on the sources of income, the expenditure by kinds and objects and the equipment with consumer durables. Additional sample surveys on income and expenditure covering some 55 000 households are conducted at intervals of five years (latest in 1983). Further information on the consumption of food, beverages and tobacco is provided, inter alia, by the excise duty statistics.

Selected private households	Unit	1970	1980	1986
Household type 1 <sup>1)</sup>	Number	154	163	163
2 <sup>2)</sup>	Number	342	381	352
3 <sup>3)</sup>	Number	393	428	399
Gross income of households <sup>4)</sup>				
Household type 1 <sup>1)</sup>	DM	558	1 330	1 835
2 <sup>2)</sup>	DM	1 507	3 697	4 696
3 <sup>3)</sup>	DM	2 654	5 839	7 505
Deductions for income and property tax <sup>2)4)</sup>	DM	129	400	445
Compulsory social insurance contributions <sup>2)4)</sup>	DM	157	455	656

	Unit	1970	1980	1986
Private consumption expenditure <sup>4)</sup>				
Household type 1 <sup>1)</sup>	DM	518	1 171	1 571
2 <sup>2)</sup>	DM	1 089	2 443	3 032
3 <sup>3)</sup>	DM	1 867	3 799	4 576
Incl.: <sup>2)</sup> 4)				
Food	DM	327	586	646
Beverages and tobacco	DM	58	100	102
Clothing, footwear	DM	118	227	265
Rents <sup>5)</sup>	DM	168	401	575
Electricity, gas, fuels, etc.	DM	51	159	210
Motor vehicles <sup>6)</sup>	DM	121	265	390
Telecommunications <sup>7)</sup>	DM	8	43	56
Personal care and health	DM	39	73	88
Education and entertainment	DM	79	211	300
Inclusive tours <sup>6)</sup>	DM	3	33	16
Formation of wealth	DM	97	383	386

### Monthly private consumption expenditure 1986



2-person households  
of recipients of pensions  
and welfare benefits  
with low income  
(Household type 1)



4-person households  
of wage earners and  
salaried employees  
with medium income  
(Household type 2)



4-person households  
of officials and salaried  
employees with  
higher income  
(Household type 3)

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	Unit	1970	1980	1986
<b>Equipment of private households<sup>2)</sup></b>				
Transport and communications				
Passenger cars	%	51	82	93
Motorcycles <sup>3)</sup>	%	8	9	12
Telephone	%	20	86	95

	Unit	1970	1980	1986
<b>Education and entertainment</b>				
Black and white television sets	%	89	57	40
Colour television sets	%	4	74	90
Stereo radio receivers	%	—	34	47
Compact stereo units	%	—	29	56
Record players	%	49	66	53
Cassette recorders	%	—	71	74 <sup>9)</sup>
Photo cameras	%	94	96	98
<b>Household operation</b>				
Refrigerators	%	94	84	81 <sup>10)</sup>
Dishwashers	%	2	26	43
Electrical kitchen appliances	%	21	40	•
Electrical sewing machines	%	48	76	77
Electrical ironing machines	%	9	18	17
Fully-automated washing machines	%	38	79	98 <sup>11)</sup>
Vacuum cleaners	%	89	99	100
Electric stoves	%	73	83	•
Gas stoves	%	43	18	•

	Unit	1970/71	1980/81	1986/87
<b>Consumption of food, beverages and tobacco<sup>12)</sup></b>				
Cereal products (in terms of flour)	kg	66.0	67.8	74.4
Rice	kg	1.6	1.7	2.5
Potatoes	kg	102.0	80.5	72.3
Meat and meat products	kg	79.0	90.5	103.5 <sup>13)</sup>
Market milk	l	92.5	84.3	89.7 <sup>13)</sup>
Cigarettes <sup>13)</sup>	Piece	1 943	2 086	1 933
Beer <sup>13)</sup>	l	141	146	144
Spirits <sup>13)</sup>	l of alcohol	3.0	3.1	2.2

<sup>1)</sup> 2-person households of recipients of pensions and welfare benefits with low income. —  
<sup>2)</sup> 4-person households of wage earners and salaried employees with medium income. —  
<sup>3)</sup> 4-person households of officials and salaried employees with higher income. — <sup>4)</sup> Per household and month. — <sup>5)</sup> Incl. rental value for owner-occupied dwellings. — <sup>6)</sup> Households involved only. — <sup>7)</sup> Postal, telegram and telephone charges. — <sup>8)</sup> Incl. motorbikes, scooters, mopeds, etc. — <sup>9)</sup> Incl. tape recorders. — <sup>10)</sup> Excl. combined refrigeration and freezing units. —  
<sup>11)</sup> Incl. combined washing and drying units. — <sup>12)</sup> Per inhabitant and year. — <sup>13)</sup> Calendar year (1970, 1980, 1987).

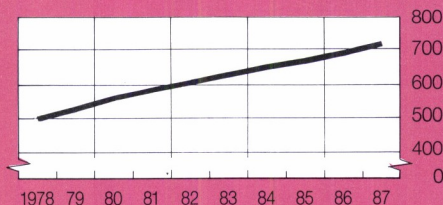
# WAGES AND SALARIES

Wages and salaries are covered by the current surveys of earnings; the presentation includes absolute averages as well as index figures for specific groups of dependently employed persons. In addition, surveys of the salary and wage structure are conducted at several years' intervals.

Industry <sup>1)</sup>	Unit	1970	1979	1987
Weekly hours paid	hs	44.0	41.9	40.2
Wage earners, male	hs	44.8	42.4	40.5
Wage earners, female	hs	40.7	39.9	39.0
Gross hourly earnings	DM	6.09	12.55	17.68
Wage earners, male	DM	6.49	13.25	18.55
Wage earners, female	DM	4.49	9.62	13.61
Index of gross hourly earnings	1980 = 100	46.6	93.8	130.5
Wage earners, male	1980 = 100	46.9	93.8	130.2
Wage earners, female	1980 = 100	44.6	93.9	132.4

## Average gross weekly earnings of wage earners in industry

DM



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	Unit	1970	1979	1987
Gross weekly earnings	DM	268	527	712
Wage earners, male	DM	292	562	753
Wage earners, female	DM	183	384	531
Gross monthly earnings	DM	1 408	3 092	4 439
Salaried employees, male	DM	1 612	3 399	4 868
Salaried employees, female	DM	1 009	2 256	3 238
<b>Handicrafts</b>				
Gross hourly earnings <sup>2)</sup>	DM	6.29	12.84	17.09
<b>Agriculture</b>				
Index of agreed wages	1980 = 100	42.7	93.3	127.8

	Unit	1970	1979	1987
<b>Wholesale trade</b>				
Gross monthly earnings	DM	1 201	2 535	3 506
Salaried employees, male	DM	1 380	2 852	3 900
Salaried employees, female	DM	918	1 939	2 678
<b>Retail trade</b>				
Gross monthly earnings	DM	926	1 988	2 658
Salaried employees, male	DM	1 290	2 574	3 341
Salaried employees, female	DM	775	1 667	2 249
<b>Credit institutions</b>				
Gross monthly earnings	DM	1 221	2 523	3 623
Salaried employees, male	DM	1 425	2 842	4 074
Salaried employees, female	DM	1 020	2 204	3 151
<b>Insurance institutions</b>				
Gross monthly earnings	DM	1 222	2 688	3 898
Salaried employees, male	DM	1 404	3 044	4 365
Salaried employees, female	DM	1 039	2 330	3 391
<b>Industries, central and local government</b>				
Index of agreed				
hourly wages	1980 = 100	44.7	93.9	131.3
monthly wages	1980 = 100	47.7	94.4	128.0

<sup>1)</sup> Incl. civil engineering. – <sup>2)</sup> Male senior journeymen only.

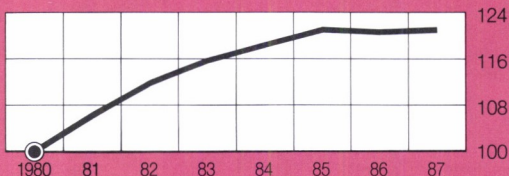
## PRICES

Official price statistics are predominantly orientated towards the presentation of price changes in the form of relatives and index numbers. The indexes for the prices of individual goods, which still are mostly computed with 1980 as base year, are combined for specific spheres and weighted in accordance with their significance in regard to turnover or expenditure. The weighted average of the individual index numbers represents the respective price index.

	Unit	1970	1979	1987
Index of purchase prices for farm supplies <sup>1)</sup>	1980 = 100	60	95	104
Index of producers' prices <sup>1)</sup>				
Agricultural products	1980 = 100	68	98	94
Industrial products	1985 = 100	50	76	95
Investment goods	1985 = 100	50	80	105
Consumer goods	1985 = 100	48	77	95

	Unit	1970	1979	1987
Price index for basic materials <sup>1)</sup>	1980 = 100	57	89	100
Agriculture and forestry	1980 = 100	69	98	94
Production industries	1980 = 100	55	88	101
Price index				
for residential buildings <sup>2)</sup>	1980 = 100	52	90	119
for road building	1980 = 100	57	89	106
Index of				
wholesale selling prices <sup>1)</sup>	1980 = 100	60	93	105
retail prices	1980 = 100	63	95	118

**Consumer price index of all private households 1980 = 100**



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	Unit	1970	1979	1987
Consumer price index				
All private households	1980 = 100	61	95	121
Incl. for:				
Food, beverages and tobacco	1980 = 100	65	96	117
Clothing, footwear	1980 = 100	59	95	122
Rent, energy	1980 = 100	•	•	122
Households of				
Sal. employees and officials <sup>3)</sup>	1980 = 100	61	95	122
Employed persons <sup>4)</sup>	1980 = 100	62	95	121
Recipients of pensions and welfare benefits	1980 = 100	61	95	121
Minimum standard of living necessary for a child <sup>5)</sup>	1980 = 100	59	95	120
Index of				
import prices	1980 = 100	53	87	94
export prices	1980 = 100	61	94	116

<sup>1)</sup> Excl. turnover (value added) tax. – <sup>2)</sup> Construction work performed at building. – <sup>3)</sup> 4-person households with higher income. – <sup>4)</sup> 4-person households with medium income. – <sup>5)</sup> Pattern of needs for the 1976 standard of living, raised to 1980 according to the price development.



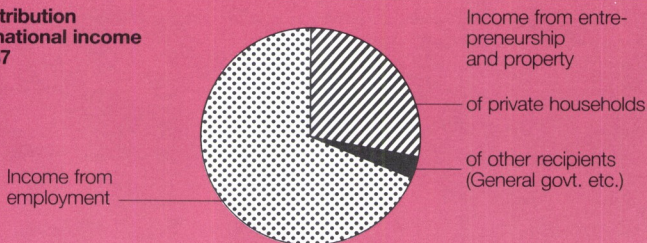
# NATIONAL PRODUCT

The system of national accounts brings together the data from practically all fields of economic and finance statistics. Major basic data are the gross national product which in summary form provides a picture of the economic performance of the national economy, and the national income representing the sum total of all earned incomes and incomes from property accruing to residents.

	Unit	1970	1980	1987
<b>Gross domestic product</b>	DM bn	675.3	1 478.9	2 012.6
Gross value added				
Agriculture and forestry	DM bn	21.8	30.4	29.4
Producing industries	DM bn	333.7	632.2	828.6
Trade, transport and communications	DM bn	103.5	225.7	284.4
Services	DM bn	114.4	335.1	543.2
General govt., households, etc.	DM bn	72.6	199.6	268.7
<b>National income</b>	DM bn	530.4	1 148.6	1 571.4
Per capita	DM	8 745	18 656	24 783 <sup>1)</sup>
Income from employment	DM bn	360.6	844.4	1 080.6
Total gross wages and salaries	DM bn	307.9	690.2	870.4
monthly per person employed	DM	1 153	2 500	3 194
Empl. contrib. to social security etc.	DM bn	52.7	154.3	210.2
Income from entrepreneurship and property	DM bn	169.8	304.2	490.8

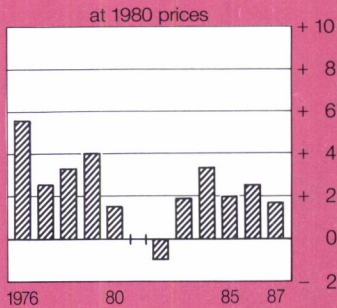
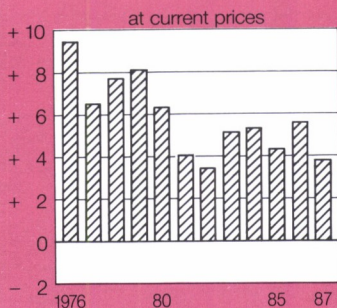
<sup>1)</sup> 1986.

## Distribution of national income 1987



## Gross National Product

Changes against previous year in %



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### Gross national product

	Unit	1970	1980	1987
At current prices	DM bn	675.7	1 485.2	2 023.2
Appropriation				
Private consumption expenditure	DM bn	368.9	840.8	1 119.6
Govt. consumption expenditure	DM bn	106.5	297.8	396.8
Fixed asset formation	DM bn	172.1	335.8	388.3
Equipment	DM bn	65.9	127.3	168.7
Construction	DM bn	106.2	208.5	219.7
Changes in stocks	DM bn	+ 14.2	+ 13.8	+ 8.7
Net exports of goods and serv.	DM bn	+ 14.1	- 3.0	+ 109.8
Exports of goods and services	DM bn	152.9	422.3	636.6
Imports of goods and services	DM bn	138.8	425.3	526.8
At 1980 prices	DM bn	1 134.0	1 485.2	1 645.6

# ENVIRONMENTAL PROTECTION

Information relating to important aspects of environmental protection is contained in the statistics on investments for environmental protection (annually) as well as on waste removal (biennially). Data relating to public expenditure in this sphere are provided by finance statistics.

	Unit	1975	1979	1985
<b>Production industries</b>				
Investments for environmental protection				
Solid waste disposal	DM mn	178	160	332
Water protection	DM mn	911	773	1 066
Noise abatement	DM mn	210	201	263
Preservation of air quality	DM mn	1 214	965	3 974
Solid waste disposal <sup>1)</sup>				
Overall number of establishments	Number	71 168	73 454 <sup>2)</sup>	67 925 <sup>3)</sup>
Incl. with disposal installations	Number	7 783	6 794 <sup>2)</sup>	7 542 <sup>3)</sup>
Quantity of waste	mn t	115	207 <sup>2)</sup>	198 <sup>3)</sup>
Production of pesticides, herbicides and insecticides				
	1 000 t	231	226	255 <sup>4)</sup>
<b>Public budgets</b>				
Expenditure for environmental protection				
Solid waste disposal	DM mn	1 937	2 748	3 964
Sewage and waste water disposal	DM mn	5 918	8 400	9 435
Preservation of air, water, soil quality	DM mn	445	844	1 459
Public waste disposal				
Installations for treatment and disposal of waste				
Dumping grounds	Number	4 616	3 033 <sup>2)</sup>	3 211 <sup>3)</sup>
Refuse incineration installations	Number	47	44 <sup>2)</sup>	46 <sup>3)</sup>
Decomposition installations etc.	Number	43	71 <sup>2)</sup>	47 <sup>3)</sup>
Reloading stations and collection points for industrial waste				
	Number	63	110 <sup>2)</sup>	136 <sup>3)</sup>
Quantity of waste matter delivered <sup>5)</sup>	mn t	59	83 <sup>2)</sup>	86 <sup>3)</sup>
Public sewage and waste w. disposal				
Drainage of sew. and waste water	mn m <sup>3</sup>	6 452	7 508	8 209 <sup>6)</sup>
Incl. biologically treated	mn m <sup>3</sup>	3 883	6 102	7 112 <sup>6)</sup>

<sup>1)</sup> Incl. hospitals. 1975 excl. quantities of waste delivered to processing establishments or the salvage trade. - <sup>2)</sup> 1980. - <sup>3)</sup> 1984. - <sup>4)</sup> 1986. - <sup>5)</sup> Excl. used tires and derelict cars. - <sup>6)</sup> 1983.

# FEDERATION AND

Specification	Unit	Federal Republic	Schleswig-Holstein	Hamburg
Area <sup>1)</sup>	1 000 km <sup>2</sup>	248.7	15.7	0.8
Population	1 000	61 170	2 612	1 567
Male	1 000	29 314	1 266	734
Female	1 000	31 856	1 346	833
Inhabitants per km <sup>2</sup> 1)	Number	246	166	2 082
Marriages	1 000	382	16	10
Live births	1 000	642	26	14
Deaths	1 000	687	31	22
Economically active persons <sup>2)</sup>	1 000	26 940	1 151	723
Agriculture, forestry, fisheries	1 000	1 244	58	9
Production industries	1 000	11 064	342	182
Trade, transport and communications	1 000	4 842	234	206
Other sectors of economy	1 000	9 790	518	327
Foreign labour employed <sup>3)</sup>	1 000	1 589	24	50
Unemployed <sup>4)</sup>	1 000	2 229	111	99
Agriculturally used area	1 000 ha	11 956	1 082	15
Agricultural holdings <sup>5)</sup>	1 000	683	30	1
Persons engaged (Mining and manuf.) <sup>4)6)</sup>	1 000	7 055	164	136
Turnover (Mining and manuf.) <sup>6)7)</sup>	DM bn	1 477	36	69
Building permits <sup>8)</sup>	Number	190 758	7 310	2 110
Stock of dwellings <sup>9)</sup>	1 000	27 319	1 190	814
Total number of passenger cars <sup>10)</sup>	1 000	27 908 <sup>11)</sup>	1 140	624
Savings deposits	DM mn	716 263 <sup>12)</sup>	20 150	17 456
Pupils/students <sup>13)</sup>	1 000	10 843	434	298
Physicians in hospitals <sup>9)</sup>	1 000	85	3	3
Hospital beds <sup>9)</sup>	1 000	674	27	16
Cash tax revenue <sup>14)</sup>	DM mn	468 660	12 367	37 468
Gross hourly earnings of operatives	DM	17.68	17.25	19.56
Gross monthly earnings of salaried employees in industry and trade	DM	3 884	3 494	4 149

1) 1986. - 2) Results of the microcensus of April 1986. - 3) Subject to social insurance; end of June. - 4) 20 and more persons engaged. - 5) Excl. turnover (value added) tax. - 6) Dwellings in residential and 1 July. - 7) Incl. vehicles of the German Federal Railways and the Federal Postal Administration. - 8) supraregional tasks, excl. branch network. - 9) At schools of general education and vocational apportionment.

# LAENDER, 1987

Lower Saxony	Bremen	North-Rhine-Westph.	Hesse	Rhineld.-Palatinate	Baden-Wuertemb.	Bavaria	Saar	Berlin (West)
47.4	0.4	34.1	21.1	19.8	35.8	70.6	2.6	0.5
7 198	654	16 672	5 552	3 606	9 350	11 043	1 041	1 884
3 456	307	7 963	2 672	1 730	4 513	5 302	496	876
3 732	347	8 709	2 880	1 876	4 837	5 741	545	1 009
152	1 618	490	263	182	261	156	406	3 914
44	4	105	34	24	57	70	7	12
73	6	177	55	38	104	120	11	20
83	8	186	62	42	92	120	12	31
2 987	273	6 829	2 484	1 559	4 336	5 334	410	855
213	/	160	68	89	202	424	8	9
1 125	88	2 982	997	658	1 970	2 285	178	258
551	69	1 244	499	251	701	856	79	152
1 097	112	2 443	919	561	1 464	1 768	145	436
85	14	413	182	53	377	282	18	90
320	42	737	155	117	198	307	52	91
2 733	10	1 602	778	720	1 503	3 443	68	1
107	0	88	52	51	116	234	4	0
646	76	1 952	629	365	1 433	1 355	136	163
151	23	408	115	83	272	249	26	45
18 478	647	36 311	15 498	13 301	39 537	51 073	2 093	4 400
3 111	332	7 310	2 446	1 624	4 057	4 819	470	1 145
3 225	260	7 441	2 703	1 739	4 443	5 113	491	676
68 933	7 073	174 550	66 277	40 617	115 798	138 494	10 606	18 080
1 289	124	3 084	941	595	1 662	1 884	172	360
9	1	22	8	4	13	15	2	5
68	8	180	67	41	99	123	12	33
34 301	6 663	136 373	46 262	20 098	76 008	74 144	5 561	19 415
17.95	19.17	17.93	17.93	17.48	17.98	16.53	18.14	17.65
3 646	3 895	3 929	3 958	3 858	4 021	3 766	3 829	3 904

4) Annual average. - 5) With 1 ha of agriculturally used area and over. - 6) Local units with in general non-residential buildings (incl. construction work at existing buildings). - 7) 1986. - 8) Position: 12) Incl. postal giro offices and postal savings banks offices as well as credit institutions with training, public health schools as well as universities. - 14) Federal, Laender and local taxes prior to tax

## GERMAN DEMOCRATIC REPUBLIC AND BERLIN (EAST)

The data presented have been derived from the Statistical Yearbook of the German Democratic Republic. On account of the often differing designations or systematic groupings, comparisons with statistics of the Federal Republic of Germany are possible only subject to certain reservations.

	Unit	1970	1980	1986
Area	km <sup>2</sup>	108 173	108 333	108 333
Resident population	1 000	17 068	16 740	16 640
Inhabitants per km <sup>2</sup>	Number	158	155	154
Live births	Number	236 929	245 132	222 269
Deaths	Number	240 821	238 254	223 521
Economically active persons (excl. apprentices)	1 000	7 769	8 225	8 548
Incl.: Agriculture and forestry	1 000	997	879	927
Mining, power production, manufacturing, building industry	1 000	3 797	3 970	4 059
Commerce, hotel and restaurant industry	1 000	858	850	878
Transport and communications	1 000	581	613	627
Apprentices	1 000	449	492	391
Agriculture and forestry				
Holdings	Number	9 932	4 763	4 617
Agriculturally used area <sup>1)</sup>	1 000 ha	5 882	5 923	5 875
Forest land	1 000 ha	2 948	2 955	2 973
Harvested quantities				
Grain	1 000 t	6 456	9 626	11 664
Potatoes	1 000 t	13 054	9 214	9 997
Livestock population				
Cattle	1 000	5 190	5 723	5 804
Pigs	1 000	9 684	12 871	12 840
Production industries				
Local units	Number	11 564	5 031	3 449
Wage earners and salaried employees (excl. apprentices)	1 000	2 998	3 150	3 251
Index of gross industrial production	1970 = 100	100	173	219
Production				
Electricity	GWh	67 650	98 808	115 291
Brown coal (extraction)	1 000 t	261 482	258 097	311 260
Cement	1 000 t	7 984	12 440	11 988
Pig iron and furnace ferro-alloys	1 000 t	1 994	2 459	2 738
Raw steel (incl. ingot steel)	1 000 t	5 053	7 308	7 967

	Unit	1970	1980	1986
Dwellings completed	1 000	76	169	216
Dwelling stock	1 000	6 057 <sup>2)</sup>	6 539	6 911
Imports	VM mn <sup>3)</sup>	20 357	62 970	90 465
Exports	VM mn <sup>3)</sup>	19 240	57 131	91 505
Railway lines	km	14 658	14 248	14 005
Inland waterways	km	2 519	2 302	2 319
Roads (other than local)	km	45 729	47 475	47 210
Total number of passenger cars	1 000	1 160	2 678	3 462
Road traffic accidents	Number	52 207	50 972	45 203
Persons killed	Number	2 139	1 718	1 484
Persons injured	Number	46 237	40 744	39 396
Money circulation	Mark mn	7 407	12 250	14 330
Schools	Number	8 180	7 120	7 093
Pupils	1 000	3 265	2 944	2 570
Inst. of higher education	Number	54	53	54
Students	1 000	143	130	132
Hospitals	Number	626	549	542
Hospital beds	1 000	190	172	169
Inhabitants per physician	Number	626	494	425
Equipment of private households <sup>4)</sup>				
Passenger cars	Number	16	37	48
Television sets	Number	69	99	99
Incl. colour television sets	Number	•	17	42
Refrigerators	Number	56	99	99
Washing machines	Number	54	80	94
Monthly income from employment				
Wage earners and salaried employees	Mark	768	1 038	1 185
National income produced per inhabitant	Mark	7 126	11 570	15 171

<sup>1)</sup> Cultivated by socialist agricultural holdings. – <sup>2)</sup> 1 January 1971. – <sup>3)</sup> Valuta-Mark = non-negotiable accounting unit. – <sup>4)</sup> Per 100 households.

# THE FEDERAL REPUBLIC OF GERMANY

The data presented are predominantly based on material compiled by the Statistical Office of the United Nations (for the remaining OECD countries); in some individual derived from varying sources, differing statistical concepts and collection the preceding sections.

Country	Area <sup>1)</sup>	Population on 30 June	Inhabitants per km <sup>2</sup>	Excess of births (+) or deaths <sup>2)</sup> (-)	Active population <sup>2)</sup>
	1 000 km <sup>2</sup>	1 000	number	per 1000 inhabitants	1 000
Fed. Rep. of Germany	249 <sup>2)</sup>	61 170	246 <sup>2)</sup>	- 1.2	29 230
Belgium	31	9 903 <sup>2)</sup>	325 <sup>2)</sup>	+ 0.7	4 214 <sup>1)</sup>
Denmark	43	5 124	119	- 0.6	2 753 <sup>1)</sup>
France	547	55 627	101	+ 4.2	24 318
Greece	132	9 966 <sup>2)</sup>	76 <sup>2)</sup>	+ 2.1	3 888 <sup>1)</sup>
Great Britain and Northern Ireland	244	56 763 <sup>2)</sup>	233 <sup>2)</sup>	+ 1.5	27 772
Ireland	70	3 537 <sup>2)</sup>	50 <sup>2)</sup>	+ 7.9	1 314 <sup>1)</sup>
Italy	301	57 331	190	+ 0.2	23 617
Luxembourg	3	367 <sup>2)</sup>	142 <sup>2)</sup>	+ 1.0	157
Netherlands	41	14 661	357	+ 4.1	5 862
Portugal	92	10 289 <sup>2)</sup>	112 <sup>2)</sup>	+ 3.3	4 681
Spain	505	38 853	77	+ 3.7 <sup>1)</sup>	13 781
<b>EC</b>	2 258	323 140	143	•	•
Finland	337	4 929	15	+ 2.8	2 596
Iceland	103	241 <sup>2)</sup>	2 <sup>2)</sup>	+ 8.8	127 <sup>1)</sup>
Norway	324	4 169 <sup>2)</sup>	13 <sup>2)</sup>	+ 2.8	2 111
Austria	84	7 573	90	- 0.0	3 388
Sweden	450	8 396	17	+ 1.1	4 386
Switzerland	41	6 498 <sup>2)</sup>	157 <sup>2)</sup>	+ 2.5	3 201
Turkey	781	50 301 <sup>2)</sup>	64 <sup>2)</sup>	+ 23.5 <sup>2)</sup>	21 828
Canada	9 976	25 591 <sup>2)</sup>	3 <sup>2)</sup>	+ 7.5	12 870
United States	9 373	241 596 <sup>2)</sup>	26 <sup>2)</sup>	+ 6.8	119 540
Japan	378	122 092	323	+ 5.3	60 200
Australia	7 687	16 133	2	+ 7.7	7 481
New Zealand	269	3 321	12	+ 8.0	1 605
<b>OECD</b>	32 061	813 972	25	•	•

<sup>1)</sup> 1985. - <sup>2)</sup> 1986. - <sup>3)</sup> Incl. estate cars. - <sup>4)</sup> Incl. Luxembourg. - <sup>5)</sup> Incl. with »Belgium«. - <sup>6)</sup> Business



# IN INTERNATIONAL COMPARISON, 1987

Office of the European Communities (for EC member countries) and the Statistical cases, also sources of the national statistical offices have been drawn upon. Data procedures restrict the comparability from one country to another and in relation to

Unemployment rate	Agriculturally used area <sup>1)</sup>	Grain harvested <sup>2)</sup>	Meat production <sup>2)</sup>	Production of		
				electricity	raw steel <sup>2)</sup>	passenger cars <sup>3)</sup>
%	1 000 ha	1 000 t	bn kWh	1 000 t	1 000	
8.1	12 019	25 590	4 846	416	37 533	4 348
12.2	1 511 <sup>4)</sup>	2 342 <sup>4)</sup>	1 228 <sup>4)</sup>	63	9 713	231 <sup>2)</sup>
7.6	2 840	7 968	1 507	28	632	—
11.2	31 182	50 443	5 552	378	17 865	3 053
7.4	9 211	5 288	506	30	1 009	—
10.8	18 644	24 485	3 214	304	14 728	1 143
19.2	5 708	1 896	709	13	208	—
14.2	17 215	18 470	3 733	201	22 882	1 384 <sup>2)</sup>
1.7	• <sup>5)</sup>	• <sup>5)</sup>	• <sup>5)</sup>	1	3 705	—
11.9	2 019	1 265	2 462	68	5 283	108 <sup>2)</sup>
8.5 <sup>2)</sup>	3 290	1 547	460	20	710	—
21.5 <sup>2)</sup>	30 416	16 280	2 598	133	11 905	1 174 <sup>2)</sup>
•	134 055	155 574	26 815	1 655	126 173	•
5.1	2 540	3 544	324	44 <sup>2)</sup>	2 586	—
0.7 <sup>2)</sup>	2 282	•	25	4 <sup>2)</sup>	•	—
2.1	957	1 185	209	104	836	—
5.6	3 511	5 112	777	39 <sup>2)</sup>	4 292	7 <sup>2)</sup>
1.9	3 556	5 815	541	142	4 710	4 01 <sup>2)</sup>
0.8 <sup>2)</sup>	2 021	961	495	54 <sup>3)</sup>	1 075	—
•	36 441	29 358	919	33 <sup>1)</sup>	5 928	—
8.9	77 780	56 904	2 577	469 <sup>2)</sup>	14 081	1 075 <sup>2)</sup>
6.2	431 382	316 346	26 433	2 545 <sup>2)</sup>	74 797	8 002 <sup>2)</sup>
2.9	5 379	15 805	3 515	627	98 275	7 891
8.1	487 200	24 023	2 630	127 <sup>2)6)</sup>	6 674	382
5.0 <sup>2)</sup>	14 381	1 486	1 183	28 <sup>2)</sup>	287	—
•	1 201 485	616 113	66 443	5 871	•	•

years ending on 30 June of the year indicated.

# THE FEDERAL REPUBLIC OF GERMANY IN INTERNATIONAL COMPARISON, 1987 (cont'd)

Country	Passenger cars, total <sup>1)</sup>	Foreign trade		Gross domestic product <sup>2)3)</sup> per capita
		imports	exports	
	per 1000 inhab.	DM bn		DM
Fed. Rep. of Germany	404	409.6	527.4	31 725
Belgium	341	149.4 <sup>4)</sup>	149.1 <sup>4)</sup>	28 077
Denmark	316	45.8	46.1	32 445
France	383	283.0	257.1	30 423
Greece	130 <sup>5)</sup>	23.3 <sup>2)</sup>	11.7 <sup>2)</sup>	15 498
Great Britain and Northern Ireland	310 <sup>6)</sup>	276.5	234.9	28 630
Ireland	201	24.5	28.8	17 188
Italy	392 <sup>5)</sup>	224.4	209.0	28 401
Luxembourg	425	• <sup>7)</sup>	• <sup>7)</sup>	35 034
Netherlands	339	163.9	166.7	29 404
Portugal	159 <sup>8)</sup>	24.2	16.5	14 611
Spain	299	87.9	61.2	20 082
<b>EC</b>	•	1 712.5	1 708.5	•
Finland	369	35.7	36.0	30 027
Iceland	462	2.8	2.5	35 605
Norway	381	40.6	38.7	37 240
Austria	345	58.6	48.8	28 022
Sweden	388	73.1	79.9	32 646
Switzerland	444	90.7	81.5	37 731
Turkey	•	25.5	18.3	9 778
Canada	436 <sup>5)</sup>	157.6	169.9	40 101
United States	557 <sup>5)</sup>	763.3	455.2	43 137
Japan	235	268.9	412.6	30 724
Australia	497 <sup>5)</sup>	54.7 <sup>2)</sup>	46.6 <sup>2)</sup>	30 089
New Zealand	478	13.0	13.0	25 674
<b>OECD</b>	•	•	•	•

<sup>1)</sup> 1986. - Excl. estate cars. - <sup>2)</sup> 1986. - <sup>3)</sup> At current prices and purchasing power parities. - <sup>4)</sup> Incl. Luxembourg. - <sup>5)</sup> 1985. - <sup>6)</sup> Excl. Northern Ireland. - <sup>7)</sup> Included with »Belgium«. - <sup>8)</sup> 1984.

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