



stats sa

Department:
Statistics South Africa
REPUBLIC OF SOUTH AFRICA

Private Bag X44, Pretoria, 0001, South Africa, ISibalo House, Koch Street, Salvokop, Pretoria, 0002
www.statssa.gov.za, info@statssa.gov.za, Tel +27 12 310 8911

STATISTICAL RELEASE

P3041.2

Manufacturing: Production and sales (Preliminary)

May 2019

Embargoed until:
11 July 2019
13:00

ENQUIRIES:
Nicolai Claassen
Tel: (012) 310 8007

FORTHCOMING ISSUE:
June 2019

EXPECTED RELEASE DATE:
8 August 2019



Dipalopalo tsa Aforikaborwa • Dipalopalo tsa Afrika Borwa • Ezezibalo zaseNingizimu Afrika • Tshitatistika Afrika Tshipembe • Tinhlayohlayo Afrika-Dzonga
Statistieke Suid-Afrika • Dipalopalo tša Afrika Borwa • Telubalo taseNingizimu Afrika • EzeeNkcukacha maNani zoMzantsi Afrika • limbalobalo zeSewula Afrika

The South Africa I know, the home I understand



Contents

Production: results for May 2019	2
Table A – Key growth rates in the volume of manufacturing production	2
Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2015=100)	3
Figure 1 – Volume of manufacturing production (Base: 2015=100).....	4
Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change	4
Sales: results for May 2019	5
Table C – Key growth rates in manufacturing sales at current prices	5
Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division	5
Tables	6
Table 1 – Index of the volume of manufacturing production (Base: 2015=100).....	6
Table 2 – Year-on-year percentage change in the volume of manufacturing production	6
Table 3 – Seasonally adjusted volume of manufacturing production	6
Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2015=100)	7
Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2015=100)	8
Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points)	9
Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2015=100)	10
Table 8 – Manufacturing sales at current prices (R million)	11
Table 9 – Year-on-year percentage change in manufacturing sales at current prices.....	11
Table 10 – Seasonally adjusted manufacturing sales at current prices	11
Table 11 – Manufacturing sales at current prices by division and major group (R million)	12
Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group.....	13
Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points)	14
Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million)	15
Survey information	16
Technical notes	17
Table E – Weights by division and major group	19
Glossary	21
Technical enquiries	21
General information	22

Production: results for May 2019

Table A – Key growth rates in the volume of manufacturing production

	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19
Year-on-year % change, unadjusted	0,0	0,9	0,4	1,1	4,3	1,0
Month-on-month % change, seasonally adjusted	0,5	-1,7	-1,6	0,9	2,5	-1,5
3-month % change, seasonally adjusted ¹	0,9	0,3	-0,7	-2,1	-1,2	0,3

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Manufacturing production increased by 1,0% in May 2019 compared with May 2018. The largest positive contribution was made by the food and beverages division (6,7% and contributing 1,8 percentage points). The largest negative contribution was made by the wood and wood products, paper, publishing and printing division (-3,9% and contributing -0,4 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 1,5% in May 2019 compared with April 2019. This followed month-on-month changes of 2,5% in April 2019 and 0,9% in March 2019 – see Table A.

Seasonally adjusted manufacturing production increased by 0,3% in the three months ended May 2019 compared with the previous three months. Five of the ten manufacturing divisions reported positive growth rates over this period.

The largest positive contributions were made by the basic iron and steel, non-ferrous metal products, metal products and machinery division (3,3% and contributing 0,6 of a percentage point) and the food and beverages division (0,6% and contributing 0,2 of a percentage point). The largest negative contributions were made by the wood and wood products, paper, publishing and printing division (-1,6% and contributing -0,2 of a percentage point) and the glass and non-metallic mineral products division (-5,2% and contributing -0,2 of a percentage point) – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Dec 2018 – Feb 2019	Mar – May 2019	% change between Dec 2018 – Feb 2019 and Mar – May 2019	Contribution (% points) to the total % change
Food and beverages	26,64	108,1	108,8	0,6	0,2
Meat, fish, fruit, etc.	6,69	104,5	104,7	0,2	0,0
Dairy products	2,15	109,5	119,2	8,9	0,2
Grain mill products	3,37	98,0	96,9	-1,1	0,0
Other food products	8,14	111,7	112,1	0,4	0,0
Beverages	6,29	112,2	111,7	-0,4	0,0
Textiles, clothing, leather and footwear	3,12	89,7	88,3	-1,6	0,0
Textiles	0,78	97,8	92,3	-5,6	0,0
Other textile products	0,40	95,7	92,9	-2,9	0,0
Knitted, crocheted articles	0,09	90,0	84,7	-5,9	0,0
Wearing apparel	1,04	82,8	82,4	-0,5	0,0
Leather and leather products	0,46	79,3	85,6	7,9	0,0
Footwear	0,35	99,2	96,3	-2,9	0,0
Wood and wood products, paper, publishing and printing	11,45	96,3	94,8	-1,6	-0,2
Sawmilling and planing of wood	1,73	98,2	100,1	1,9	0,0
Products of wood	2,57	99,9	100,1	0,2	0,0
Paper and paper products	4,14	100,0	96,7	-3,3	-0,1
Publishing	1,43	79,5	77,5	-2,5	0,0
Printing, recorded media	1,58	93,6	90,6	-3,2	0,0
Petroleum, chemical products, rubber and plastic products	23,07	100,2	100,3	0,1	0,0
Coke, petroleum products and nuclear fuel	8,67	103,2	107,5	4,2	0,4
Basic chemicals	4,29	95,9	90,1	-6,0	-0,2
Other chemical products	6,19	98,5	93,9	-4,7	-0,3
Rubber products	1,24	95,2	98,0	2,9	0,0
Plastic products	2,68	104,2	109,2	4,8	0,1
Glass and non-metallic mineral products	3,18	99,5	94,3	-5,2	-0,2
Glass and glass products	0,66	113,6	117,7	3,6	0,0
Non-metallic mineral products	2,52	95,8	88,2	-7,9	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	101,4	104,7	3,3	0,6
Basic iron and steel products	3,57	111,8	114,2	2,1	0,1
Non-ferrous metal products	2,58	107,4	107,1	-0,3	0,0
Structural metal products	1,99	82,8	89,8	8,5	0,1
Other fabricated metal products	3,79	104,2	108,6	4,2	0,2
General purpose machinery	2,58	90,5	100,4	10,9	0,3
Special purpose machinery	3,41	102,2	103,8	1,6	0,1
Household appliances	0,77	101,1	91,3	-9,7	-0,1
Electrical machinery	1,64	82,8	84,7	2,3	0,0
Radio, television and communication apparatus and professional equipment	1,54	94,1	91,1	-3,2	0,0
Radio, television and communication apparatus	0,90	101,8	99,6	-2,2	0,0
Professional equipment	0,64	83,3	79,3	-4,8	0,0
Motor vehicles, parts and accessories and other transport equipment	7,56	104,0	104,2	0,2	0,0
Motor vehicles	2,82	106,4	104,6	-1,7	0,0
Bodies for motor vehicles, trailers and semi-trailers	0,47	106,0	109,6	3,4	0,0
Parts and accessories	3,04	110,4	112,2	1,6	0,1
Other transport equipment	1,23	82,0	81,2	-1,0	0,0
Furniture and other manufacturing	3,11	101,4	98,9	-2,5	-0,1
Furniture	1,07	89,3	91,1	2,0	0,0
Other manufacturing groups	2,04	107,8	103,0	-4,5	-0,1
Total	100	101,7	102,0	0,3	0,3

Figure 1 – Volume of manufacturing production (Base: 2015=100)

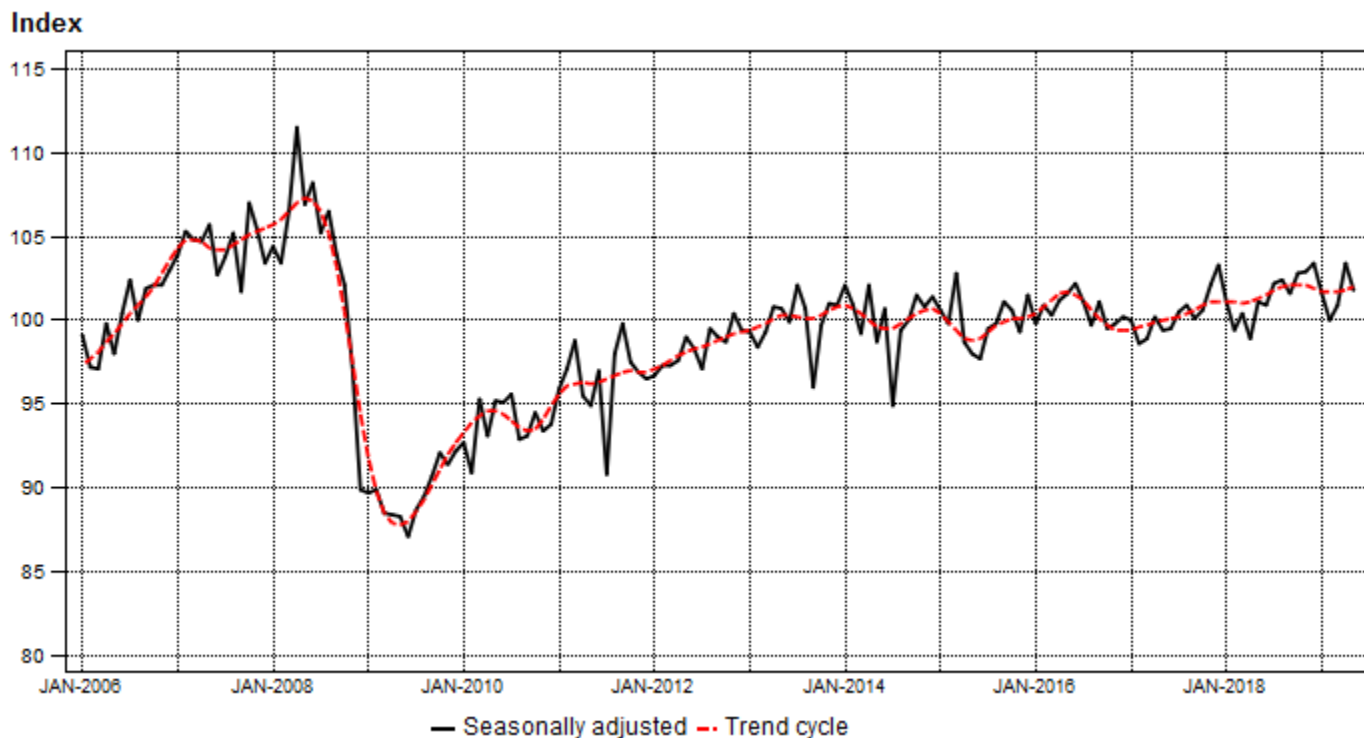
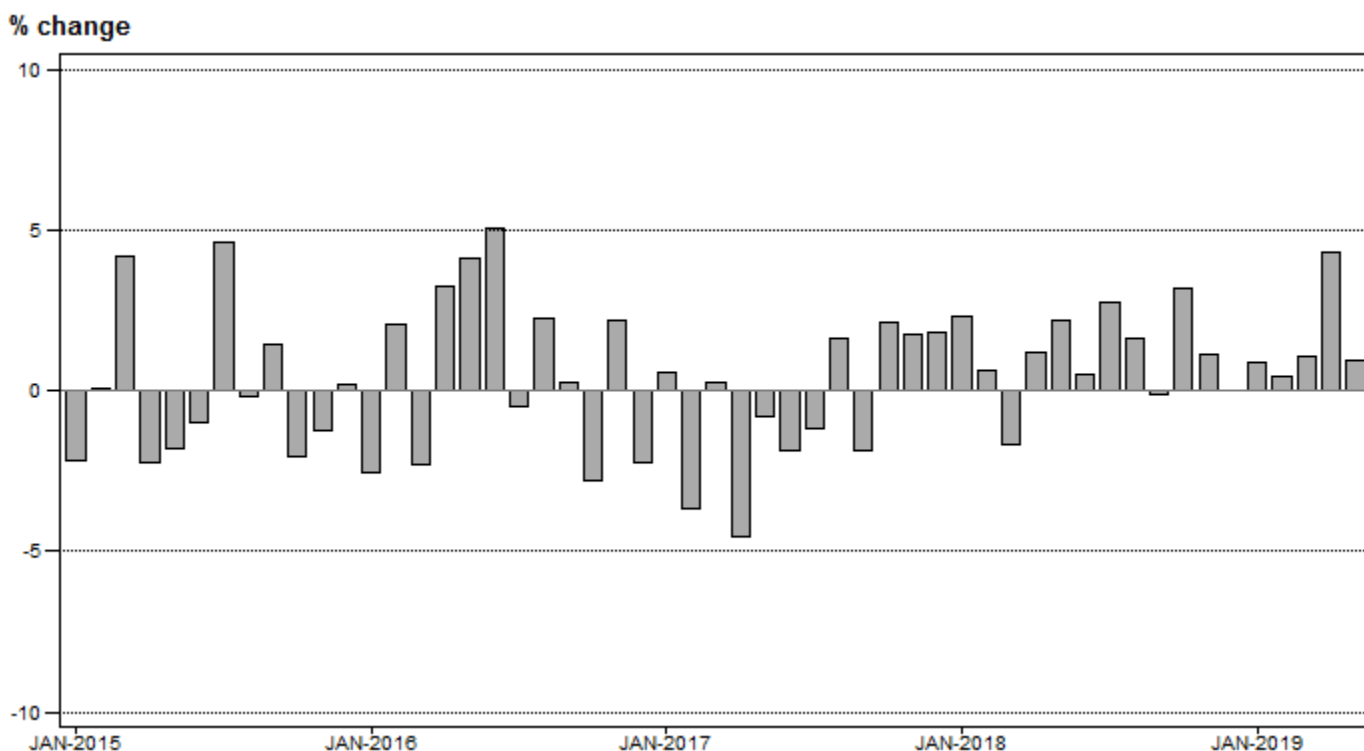


Figure 2 – Volume of manufacturing production (Base: 2015=100): year-on-year percentage change



Sales: results for May 2019**Table C – Key growth rates in manufacturing sales at current prices**

	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19
Year-on-year % change, unadjusted	5,2	9,6	6,1	8,7	14,6	4,5
Month-on-month % change, seasonally adjusted	-1,8	1,9	-1,2	1,3	3,0	-3,0
3-month % change, seasonally adjusted ¹	1,1	-0,2	-1,3	0,1	1,4	2,1

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Seasonally adjusted manufacturing sales decreased by 3,0% in May 2019 compared with April 2019. This followed month-on-month changes of 3,0% in April 2019 and 1,3% in March 2019 – see Table C.

Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division

Manufacturing division	Dec 2018 – Feb 2019 (R million)	Mar – May 2019 (R million)	% change between Dec 2018 – Feb 2019 and Mar – May 2019	Contribution (% points) to the total % change
Food and beverages	141 737	143 240	1,1	0,3
Textiles, clothing, leather and footwear	14 027	14 048	0,1	0,0
Wood and wood products, paper, publishing and printing	43 505	43 444	-0,1	0,0
Petroleum, chemical products, rubber and plastic products	122 562	124 661	1,7	0,3
Glass and non-metallic mineral products	16 956	16 421	-3,2	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	132 282	139 404	5,4	1,2
Electrical machinery	13 250	14 126	6,6	0,1
Radio, television and communication apparatus and professional equipment	6 542	6 066	-7,3	-0,1
Motor vehicles, parts and accessories and other transport equipment	82 990	85 434	2,9	0,4
Furniture and other manufacturing	23 448	23 243	-0,9	0,0
Total	597 299	610 088	2,1	2,1

Risenga Maluleke
Statistician-General

Tables

Table 1 – Index of the volume of manufacturing production (Base: 2015=100)

Month	2013	2014	2015	2016	2017	2018	2019 ¹
Jan	86,6	88,9	87,0	84,8	85,3	87,3	88,1
Feb	93,4	95,5	95,6	97,6	94,0	94,6	95,0
Mar	98,2	99,6	103,8	101,4	101,7	100,0	101,1
Apr	95,6	94,5	92,4	95,4	91,1	92,2	96,2
May	101,9	99,2	97,4	101,4	100,6	102,8	103,8
Jun	98,6	99,8	98,8	103,8	101,9	102,4	
Jul	104,8	97,5	102,0	101,5	100,3	103,1	
Aug	103,8	101,4	101,2	103,5	105,2	106,9	
Sep	99,1	105,5	107,0	107,3	105,3	105,2	
Oct	111,3	113,2	110,9	107,8	110,1	113,6	
Nov	113,1	111,1	109,7	112,1	114,1	115,4	
Dec	92,4	93,9	94,1	92,0	93,7	93,7	
Total	99,9	100,0	100,0	100,7	100,3	101,4	

¹ The latest three months are preliminary.

Table 2 – Year-on-year percentage change in the volume of manufacturing production

Month	2014	2015	2016	2017	2018	2019	2019 year-to-date
Jan	2,7	-2,1	-2,5	0,6	2,3	0,9	0,9
Feb	2,2	0,1	2,1	-3,7	0,6	0,4	0,7
Mar	1,4	4,2	-2,3	0,3	-1,7	1,1	0,7
Apr	-1,2	-2,2	3,2	-4,5	1,2	4,3	1,7
May	-2,6	-1,8	4,1	-0,8	2,2	1,0	1,5
Jun	1,2	-1,0	5,1	-1,8	0,5		
Jul	-7,0	4,6	-0,5	-1,2	2,8		
Aug	-2,3	-0,2	2,3	1,6	1,6		
Sep	6,5	1,4	0,3	-1,9	-0,1		
Oct	1,7	-2,0	-2,8	2,1	3,2		
Nov	-1,8	-1,3	2,2	1,8	1,1		
Dec	1,6	0,2	-2,2	1,8	0,0		
Total	0,1	0,0	0,7	-0,4	1,1		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2015=100)				Month-on-month % change			
	2016	2017	2018	2019	2016	2017	2018	2019
Jan	99,8	100,0	101,1	101,6	-1,7	-0,2	-2,1	-1,7
Feb	100,9	98,6	99,4	100,0	1,1	-1,4	-1,7	-1,6
Mar	100,3	98,9	100,4	100,9	-0,6	0,3	1,0	0,9
Apr	101,2	100,2	98,9	103,4	0,9	1,3	-1,5	2,5
May	101,6	99,4	101,1	101,8	0,4	-0,8	2,2	-1,5
Jun	102,2	99,5	100,9		0,6	0,1	-0,2	
Jul	101,1	100,5	102,2		-1,1	1,0	1,3	
Aug	99,7	100,9	102,4		-1,4	0,4	0,2	
Sep	101,1	100,1	101,6		1,4	-0,8	-0,8	
Oct	99,5	100,6	102,8		-1,6	0,5	1,2	
Nov	99,8	102,1	102,9		0,3	1,5	0,1	
Dec	100,2	103,3	103,4		0,4	1,2	0,5	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Dec-18	Jan-19	Feb-19	¹ Mar-19	¹ Apr-19	¹ May-19
Food and beverages	26,64	113,0	94,4	95,9	102,5	101,1	112,6
Meat, fish, fruit, etc.	6,69	110,0	92,3	97,1	103,2	101,6	107,3
Dairy products	2,15	110,4	112,0	99,9	114,4	113,9	119,5
Grain mill products	3,37	97,3	90,1	89,4	96,8	93,7	97,7
Other food products	8,14	99,0	88,0	90,1	93,7	101,2	129,3
Beverages	6,29	143,7	101,4	104,4	112,0	99,9	102,3
Textiles, clothing, leather and footwear	3,12	73,0	66,7	84,6	86,3	85,7	93,4
Textiles	0,78	62,5	77,8	101,1	93,8	93,0	103,6
Other textile products	0,40	73,3	69,9	92,8	89,3	86,9	109,7
Knitted, crocheted articles	0,09	56,0	70,3	97,0	91,0	85,1	94,1
Wearing apparel	1,04	72,6	54,9	73,1	82,0	76,0	79,6
Leather and leather products	0,46	77,1	71,2	75,4	75,0	87,1	96,5
Footwear	0,35	96,0	66,8	82,2	93,2	95,3	89,0
Wood and wood products, paper, publishing and printing	11,45	86,9	83,7	91,4	94,0	85,6	92,5
Sawmilling and planing of wood	1,73	74,0	85,7	93,0	104,8	96,0	111,1
Products of wood	2,57	74,6	81,8	97,1	96,7	96,7	100,0
Paper and paper products	4,14	102,6	92,2	94,6	98,8	85,1	91,4
Publishing	1,43	79,3	63,9	76,1	71,3	66,2	69,4
Printing, recorded media	1,58	87,1	80,0	85,7	85,9	74,6	83,8
Petroleum, chemical products, rubber and plastic products	23,07	97,7	96,1	90,5	98,9	94,6	100,5
Coke, petroleum products and nuclear fuel	8,67	113,1	108,5	88,0	108,9	108,5	105,0
Basic chemicals	4,29	87,3	93,4	88,0	80,0	79,2	93,9
Other chemical products	6,19	96,0	86,2	90,3	94,2	84,5	93,9
Rubber products	1,24	50,3	85,8	102,6	104,4	85,7	115,3
Plastic products	2,68	90,0	87,9	97,9	105,0	101,8	104,6
Glass and non-metallic mineral products	3,18	80,5	71,8	89,7	90,9	88,4	100,9
Glass and glass products	0,66	112,0	95,2	105,3	113,8	102,3	111,6
Non-metallic mineral products	2,52	72,2	65,7	85,6	84,9	84,7	98,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	84,5	85,2	100,8	111,3	103,4	106,1
Basic iron and steel products	3,57	97,1	103,6	117,9	122,4	124,5	118,8
Non-ferrous metal products	2,58	101,4	103,2	99,5	108,6	107,8	110,9
Structural metal products	1,99	57,6	64,8	84,9	86,1	84,7	93,2
Other fabricated metal products	3,79	73,1	82,2	103,9	112,2	106,6	112,1
General purpose machinery	2,58	78,6	65,9	91,2	100,5	99,5	99,4
Special purpose machinery	3,41	92,8	79,8	95,9	128,1	91,6	96,5
Household appliances	0,77	77,1	95,1	104,9	90,1	88,2	100,7
Electrical machinery	1,64	58,0	63,5	82,1	96,3	80,3	86,5
Radio, television and communication apparatus and professional equipment	1,54	99,1	72,4	88,5	96,0	81,1	83,2
Radio, television and communication apparatus	0,90	103,7	79,0	97,6	99,7	85,8	88,7
Professional equipment	0,64	92,7	63,1	75,7	90,8	74,5	75,4
Motor vehicles, parts and accessories and other transport equipment	7,56	69,8	80,5	105,6	106,6	101,0	111,0
Motor vehicles	2,82	55,3	79,2	111,7	109,3	103,4	107,5
Bodies for motor vehicles, trailers and semi-trailers	0,47	68,0	79,6	106,5	111,6	109,0	118,3
Parts and accessories	3,04	78,7	87,9	112,5	110,9	111,5	129,4
Other transport equipment	1,23	81,8	65,3	74,4	88,1	66,4	70,8
Furniture and other manufacturing	3,11	88,9	85,9	99,7	86,1	83,0	94,7
Furniture	1,07	73,2	59,2	85,4	78,4	80,9	98,0
Other manufacturing groups	2,04	97,1	99,9	107,2	90,1	84,1	93,0
Total	100	93,7	88,1	95,0	101,1	96,2	103,8

¹ The latest three months are preliminary.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19
Food and beverages	4,4	4,3	3,6	0,9	3,7	6,7
Meat, fish, fruit, etc.	2,5	-0,8	3,6	2,2	8,8	2,7
Dairy products	4,2	11,6	2,8	5,9	16,8	24,7
Grain mill products	0,3	0,1	-1,1	-5,0	-1,0	-1,9
Other food products	1,2	2,1	-0,7	-3,1	-7,1	7,9
Beverages	11,1	12,5	11,9	5,4	12,5	8,0
Textiles, clothing, leather and footwear	-5,3	-4,3	-6,9	-6,1	-4,2	1,5
Textiles	-3,4	3,0	-4,0	-10,8	-9,3	-5,6
Other textile products	-8,6	-3,1	-8,2	-13,8	-11,6	0,7
Knitted, crocheted articles	-13,2	-2,9	0,0	-11,4	-15,9	-8,1
Wearing apparel	-9,9	-1,6	-10,4	-2,0	-5,8	0,8
Leather and leather products	-10,3	-13,3	-9,0	-3,5	2,5	15,4
Footwear	17,4	-14,7	-2,1	4,6	19,9	10,7
Wood and wood products, paper, publishing and printing	-2,1	0,2	-2,8	-2,6	0,7	-3,9
Sawmilling and planing of wood	-11,5	-12,1	-8,4	-9,2	2,3	-4,2
Products of wood	-6,8	6,6	-1,5	-11,3	0,1	-2,2
Paper and paper products	3,4	1,8	-1,4	9,5	2,2	-3,3
Publishing	-2,3	-5,9	-2,4	-5,1	-5,8	-8,4
Printing, recorded media	-1,4	7,1	-2,4	-5,6	0,1	-5,0
Petroleum, chemical products, rubber and plastic products	-2,7	1,3	1,7	6,5	0,5	1,0
Coke, petroleum products and nuclear fuel	-0,3	3,3	6,8	33,0	2,3	17,1
Basic chemicals	-11,0	-3,9	-2,7	-20,6	-9,5	-17,4
Other chemical products	-1,2	2,0	-0,2	-4,3	-0,6	-6,3
Rubber products	-16,7	1,2	2,2	0,2	-4,7	3,4
Plastic products	2,6	0,8	-1,9	6,9	14,1	3,3
Glass and non-metallic mineral products	7,9	-4,8	-2,1	-5,4	-4,5	-1,5
Glass and glass products	13,0	-0,2	11,9	20,2	5,6	5,3
Non-metallic mineral products	5,9	-6,4	-5,9	-12,0	-7,4	-3,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	-3,0	-1,7	0,7	3,1	9,4	-1,2
Basic iron and steel products	-3,3	-13,6	8,1	1,6	8,4	-5,8
Non-ferrous metal products	3,3	5,5	-4,4	-1,2	10,8	-0,3
Structural metal products	-11,0	11,9	-4,0	-2,4	15,9	-1,9
Other fabricated metal products	-8,6	-4,6	3,2	4,5	10,4	-0,9
General purpose machinery	-10,6	-8,6	-4,9	0,5	14,1	-1,2
Special purpose machinery	5,8	12,1	-3,0	12,6	3,7	3,2
Household appliances	1,8	7,1	15,8	-9,6	0,8	3,9
Electrical machinery	-19,7	-9,4	-3,4	-4,4	11,4	-0,7
Radio, television and communication apparatus and professional equipment	-8,2	-5,0	-7,2	-1,4	-4,7	-9,8
Radio, television and communication apparatus	-7,4	5,1	1,8	0,5	-0,6	-6,5
Professional equipment	-9,6	-18,6	-20,1	-4,3	-10,8	-14,8
Motor vehicles, parts and accessories and other transport equipment	4,6	0,1	0,3	-6,8	17,9	-3,5
Motor vehicles	3,8	27,9	11,3	8,3	33,9	-5,2
Bodies for motor vehicles, trailers and semi-trailers	-7,5	-5,8	-4,7	-6,5	6,9	-3,4
Parts and accessories	11,9	-14,5	-2,3	-8,9	11,3	2,9
Other transport equipment	-5,0	-0,6	-17,0	-29,6	5,2	-20,9
Furniture and other manufacturing	7,4	2,5	-7,6	3,4	6,1	-1,1
Furniture	-13,6	-5,0	-9,7	-9,8	-3,8	-1,9
Other manufacturing groups	18,8	4,9	-6,8	10,7	12,0	-0,7
Total	0,0	0,9	0,4	1,1	4,3	1,0

Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points)

Manufacturing division and major group	Weights	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19
Food and beverages	26,64	1,4	1,2	0,9	0,2	1,0	1,8
Meat, fish, fruit, etc.	6,69	0,2	-0,1	0,2	0,1	0,6	0,2
Dairy products	2,15	0,1	0,3	0,1	0,1	0,4	0,5
Grain mill products	3,37	0,0	0,0	0,0	-0,2	0,0	-0,1
Other food products	8,14	0,1	0,2	-0,1	-0,2	-0,7	0,8
Beverages	6,29	1,0	0,8	0,7	0,4	0,8	0,5
Textiles, clothing, leather and footwear	3,12	-0,1	-0,1	-0,2	-0,2	-0,1	0,0
Textiles	0,78	0,0	0,0	0,0	-0,1	-0,1	0,0
Other textile products	0,40	0,0	0,0	0,0	-0,1	0,0	0,0
Knitted, crocheted articles	0,09	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,04	-0,1	0,0	-0,1	0,0	-0,1	0,0
Leather and leather products	0,46	0,0	-0,1	0,0	0,0	0,0	0,1
Footwear	0,35	0,1	0,0	0,0	0,0	0,1	0,0
Wood and wood products, paper, publishing and printing	11,45	-0,2	0,0	-0,3	-0,3	0,1	-0,4
Sawmilling and planing of wood	1,73	-0,2	-0,2	-0,2	-0,2	0,0	-0,1
Products of wood	2,57	-0,1	0,2	0,0	-0,3	0,0	-0,1
Paper and paper products	4,14	0,2	0,1	-0,1	0,4	0,1	-0,1
Publishing	1,43	0,0	-0,1	0,0	-0,1	-0,1	-0,1
Printing, recorded media	1,58	0,0	0,1	0,0	-0,1	0,0	-0,1
Petroleum, chemical products, rubber and plastic products	23,07	-0,7	0,3	0,4	1,4	0,1	0,2
Coke, petroleum products and nuclear fuel	8,67	0,0	0,3	0,5	2,3	0,2	1,3
Basic chemicals	4,29	-0,5	-0,2	-0,1	-0,9	-0,4	-0,8
Other chemical products	6,19	-0,1	0,1	0,0	-0,3	0,0	-0,4
Rubber products	1,24	-0,1	0,0	0,0	0,0	-0,1	0,0
Plastic products	2,68	0,1	0,0	-0,1	0,2	0,4	0,1
Glass and non-metallic mineral products	3,18	0,2	-0,1	-0,1	-0,2	-0,1	0,0
Glass and glass products	0,66	0,1	0,0	0,1	0,1	0,0	0,0
Non-metallic mineral products	2,52	0,1	-0,1	-0,1	-0,3	-0,2	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	-0,5	-0,3	0,1	0,6	1,8	-0,2
Basic iron and steel products	3,57	-0,1	-0,7	0,3	0,1	0,4	-0,3
Non-ferrous metal products	2,58	0,1	0,2	-0,1	0,0	0,3	0,0
Structural metal products	1,99	-0,2	0,2	-0,1	0,0	0,3	0,0
Other fabricated metal products	3,79	-0,3	-0,2	0,1	0,2	0,4	0,0
General purpose machinery	2,58	-0,3	-0,2	-0,1	0,0	0,3	0,0
Special purpose machinery	3,41	0,2	0,3	-0,1	0,5	0,1	0,1
Household appliances	0,77	0,0	0,1	0,1	-0,1	0,0	0,0
Electrical machinery	1,64	-0,2	-0,1	-0,1	-0,1	0,1	0,0
Radio, television and communication apparatus and professional equipment	1,54	-0,1	-0,1	-0,1	0,0	-0,1	-0,1
Radio, television and communication apparatus	0,90	-0,1	0,0	0,0	0,0	0,0	-0,1
Professional equipment	0,64	-0,1	-0,1	-0,1	0,0	-0,1	-0,1
Motor vehicles, parts and accessories and other transport equipment	7,56	0,3	0,0	0,0	-0,6	1,3	-0,3
Motor vehicles	2,82	0,1	0,6	0,3	0,2	0,8	-0,2
Bodies for motor vehicles, trailers and semi-trailers	0,47	0,0	0,0	0,0	0,0	0,0	0,0
Parts and accessories	3,04	0,3	-0,5	-0,1	-0,3	0,4	0,1
Other transport equipment	1,23	-0,1	0,0	-0,2	-0,5	0,0	-0,2
Furniture and other manufacturing	3,11	0,2	0,1	-0,3	0,1	0,2	0,0
Furniture	1,07	-0,1	0,0	-0,1	-0,1	0,0	0,0
Other manufacturing groups	2,04	0,3	0,1	-0,2	0,2	0,2	0,0
Total	100	0,0	0,9	0,4	1,1	4,3	1,0

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2015=100)

Manufacturing division and major group	Weights	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Month-on-month % change
Food and beverages	26,64	108,6	107,8	108,0	107,5	111,0	3,3
Meat, fish, fruit, etc.	6,69	104,5	104,8	104,0	104,9	105,2	0,3
Dairy products	2,15	112,7	110,5	111,9	119,0	126,6	6,4
Grain mill products	3,37	98,0	98,4	95,3	98,8	96,5	-2,3
Other food products	8,14	113,6	109,4	111,1	106,5	118,8	11,5
Beverages	6,29	110,8	113,2	113,5	112,2	109,5	-2,4
Textiles, clothing, leather and footwear	3,12	90,6	85,8	84,4	89,7	90,8	1,2
Textiles	0,78	98,7	94,6	87,6	95,2	94,1	-1,2
Other textile products	0,40	95,0	93,4	85,6	93,6	99,5	6,3
Knitted, crocheted articles	0,09	89,5	94,8	84,9	83,3	85,9	3,1
Wearing apparel	1,04	87,6	78,6	80,7	83,9	82,6	-1,5
Leather and leather products	0,46	76,1	77,7	80,1	82,9	93,8	13,1
Footwear	0,35	95,8	87,3	92,4	100,9	95,5	-5,4
Wood and wood products, paper, publishing and printing	11,45	96,6	95,8	93,4	96,5	94,4	-2,2
Sawmilling and planing of wood	1,73	98,7	97,9	98,1	100,1	102,2	2,1
Products of wood	2,57	100,1	100,9	97,3	101,7	101,4	-0,3
Paper and paper products	4,14	99,5	98,9	96,0	99,0	95,1	-3,9
Publishing	1,43	78,8	80,7	77,7	78,5	76,3	-2,8
Printing, recorded media	1,58	97,2	90,9	89,5	93,6	88,8	-5,1
Petroleum, chemical products, rubber and plastic products	23,07	102,2	94,0	99,9	101,2	99,7	-1,5
Coke, petroleum products and nuclear fuel	8,67	108,5	88,0	108,9	108,5	105,0	-3,2
Basic chemicals	4,29	96,0	97,3	88,2	89,4	92,6	3,6
Other chemical products	6,19	97,6	96,0	94,0	95,0	92,7	-2,4
Rubber products	1,24	97,5	98,3	89,6	100,4	103,9	3,5
Plastic products	2,68	104,7	101,7	108,1	111,0	108,5	-2,3
Glass and non-metallic mineral products	3,18	93,9	98,4	91,8	95,7	95,5	-0,2
Glass and glass products	0,66	106,8	116,7	123,3	114,3	115,5	1,0
Non-metallic mineral products	2,52	90,5	93,6	83,6	90,8	90,3	-0,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,69	100,1	102,4	103,6	108,2	102,4	-5,4
Basic iron and steel products	3,57	103,0	118,8	114,9	119,1	108,5	-8,9
Non-ferrous metal products	2,58	108,3	104,5	106,0	108,7	106,7	-1,8
Structural metal products	1,99	85,0	82,9	85,0	96,8	87,5	-9,6
Other fabricated metal products	3,79	103,4	104,9	108,8	111,2	105,9	-4,8
General purpose machinery	2,58	86,0	94,4	97,4	106,1	97,8	-7,8
Special purpose machinery	3,41	105,9	98,4	104,8	104,5	102,1	-2,3
Household appliances	0,77	103,5	102,3	81,9	94,5	97,6	3,3
Electrical machinery	1,64	83,8	84,9	83,2	88,1	82,8	-6,0
Radio, television and communication apparatus and professional equipment	1,54	94,7	91,3	93,4	91,9	88,0	-4,2
Radio, television and communication apparatus	0,90	102,7	101,8	101,6	100,5	96,7	-3,8
Professional equipment	0,64	83,4	76,7	82,0	80,0	75,9	-5,1
Motor vehicles, parts and accessories and other transport equipment	7,56	99,2	104,2	101,7	108,7	102,2	-6,0
Motor vehicles	2,82	104,9	109,2	104,2	114,2	95,5	-16,4
Bodies for motor vehicles, trailers and semi-trailers	0,47	107,0	106,2	110,7	111,7	106,4	-4,7
Parts and accessories	3,04	98,2	109,5	107,9	112,5	116,3	3,4
Other transport equipment	1,23	85,9	79,2	77,0	85,7	81,0	-5,5
Furniture and other manufacturing	3,11	102,5	96,7	95,7	104,4	96,6	-7,5
Furniture	1,07	91,5	89,7	85,9	92,3	95,2	3,1
Other manufacturing groups	2,04	108,3	100,4	100,8	110,8	97,3	-12,2
Total	100	101,6	100,0	100,9	103,4	101,8	-1,5

Table 8 – Manufacturing sales at current prices (R million)

Month	2013	2014	2015	2016	2017	2018	2019 ¹
Jan	121 436	135 677	135 105	139 194	149 598	156 736	171 820
Feb	137 860	152 891	150 297	162 804	165 159	176 201	186 881
Mar	144 166	158 596	169 510	171 979	185 331	187 729	204 024
Apr	139 563	150 136	149 096	162 622	160 348	167 504	191 917
May	147 760	154 928	160 228	175 473	182 017	194 480	203 244
Jun	145 708	163 114	165 325	179 564	185 638	194 615	
Jul	153 100	152 581	165 809	173 159	177 157	196 533	
Aug	150 611	163 460	163 742	179 525	188 712	204 207	
Sep	146 841	170 204	174 697	186 940	191 032	207 070	
Oct	163 656	183 528	181 093	186 342	199 764	223 783	
Nov	169 622	178 453	181 957	198 464	216 510	228 660	
Dec	146 427	154 776	158 052	165 556	175 770	184 916	
Total	1 766 750	1 918 344	1 954 911	2 081 622	2 177 036	2 322 434	

¹ The latest three months are preliminary.

Table 9 – Year-on-year percentage change in manufacturing sales at current prices

Month	2014	2015	2016	2017	2018	2019	2019 year-to-date
Jan	11,7	-0,4	3,0	7,5	4,8	9,6	9,6
Feb	10,9	-1,7	8,3	1,4	6,7	6,1	7,7
Mar	10,0	6,9	1,5	7,8	1,3	8,7	8,1
Apr	7,6	-0,7	9,1	-1,4	4,5	14,6	9,7
May	4,9	3,4	9,5	3,7	6,8	4,5	8,5
Jun	11,9	1,4	8,6	3,4	4,8		
Jul	-0,3	8,7	4,4	2,3	10,9		
Aug	8,5	0,2	9,6	5,1	8,2		
Sep	15,9	2,6	7,0	2,2	8,4		
Oct	12,1	-1,3	2,9	7,2	12,0		
Nov	5,2	2,0	9,1	9,1	5,6		
Dec	5,7	2,1	4,7	6,2	5,2		
Total	8,6	1,9	6,5	4,6	6,7		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2016	2017	2018	2019	2016	2017	2018	2019
Jan	167 109	177 355	184 275	201 144	1,7	1,9	-1,7	1,9
Feb	170 910	175 580	187 566	198 800	2,3	-1,0	1,8	-1,2
Mar	169 916	177 981	187 564	201 473	-0,6	1,4	0,0	1,3
Apr	172 592	178 704	179 677	207 456	1,6	0,4	-4,2	3,0
May	176 161	180 560	192 974	201 159	2,1	1,0	7,4	-3,0
Jun	176 107	180 499	191 477		0,0	0,0	-0,8	
Jul	174 927	180 090	196 643		-0,7	-0,2	2,7	
Aug	173 697	182 576	196 561		-0,7	1,4	0,0	
Sep	175 624	181 831	201 399		1,1	-0,4	2,5	
Oct	172 133	182 096	202 606		-2,0	0,1	0,6	
Nov	174 916	191 623	200 979		1,6	5,2	-0,8	
Dec	174 092	187 381	197 355		-0,5	-2,2	-1,8	

Table 11 – Manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	Dec-18	Jan-19	Feb-19	¹ Mar-19	¹ Apr-19	¹ May-19
Food and beverages	52 126	43 641	41 756	46 307	45 759	46 541
Meat, fish, fruit, etc.	13 910	10 828	11 497	12 731	12 357	12 806
Dairy products	4 110	4 006	3 713	4 316	4 161	4 207
Grain mill products	6 316	6 136	5 829	6 728	6 472	6 850
Other food products	9 419	10 872	8 488	9 029	10 558	10 324
Beverages	18 370	11 800	12 230	13 504	12 211	12 354
Textiles, clothing, leather and footwear	4 008	3 402	4 221	4 712	4 545	4 870
Textiles	388	446	570	573	534	619
Other textile products	1 005	957	1 249	1 293	1 242	1 404
Knitted, crocheted articles	140	169	217	227	221	230
Wearing apparel	1 338	965	1 279	1 501	1 427	1 438
Leather and leather products	545	497	485	631	669	727
Footwear	593	369	421	486	453	454
Wood and wood products, paper, publishing and printing	13 634	12 559	13 684	14 484	12 570	13 843
Sawmilling and planing of wood	650	904	871	1 013	1 037	1 071
Products of wood	1 515	1 615	2 032	2 109	2 016	2 123
Paper and paper products	7 284	6 421	6 658	7 296	5 939	6 702
Publishing	1 590	1 303	1 552	1 440	1 380	1 372
Printing, recorded media	2 595	2 316	2 571	2 626	2 197	2 575
Petroleum, chemical products, rubber and plastic products	39 704	36 893	36 184	39 762	39 442	41 296
Coke, petroleum products and nuclear fuel	14 389	13 120	10 434	12 680	13 946	13 265
Basic chemicals	7 765	7 615	7 758	8 013	7 719	8 970
Other chemical products	11 590	10 277	11 046	11 883	10 795	11 774
Rubber products	1 015	1 067	1 406	1 491	1 312	1 607
Plastic products	4 945	4 814	5 539	5 695	5 670	5 680
Glass and non-metallic mineral products	4 390	4 136	5 005	5 289	5 073	5 939
Glass and glass products	939	877	908	961	915	1 001
Non-metallic mineral products	3 451	3 259	4 098	4 328	4 158	4 938
Basic iron and steel, non-ferrous metal products, metal products and machinery	38 880	37 471	42 630	49 643	44 046	46 971
Basic iron and steel products	9 290	9 934	10 517	12 664	10 630	11 794
Non-ferrous metal products	13 648	12 356	12 201	14 710	13 670	14 030
Structural metal products	1 961	2 085	2 852	3 044	2 913	3 166
Other fabricated metal products	4 893	5 255	6 633	7 096	6 819	7 140
General purpose machinery	2 915	2 466	3 440	3 953	3 706	3 874
Special purpose machinery	5 179	4 317	5 757	6 792	5 112	5 659
Household appliances	994	1 059	1 228	1 385	1 197	1 307
Electrical machinery	3 384	3 400	4 598	5 217	4 357	4 669
Radio, television and communication apparatus and professional equipment	2 463	1 462	2 109	2 133	1 761	1 904
Radio, television and communication apparatus	1 480	827	1 328	1 242	982	1 116
Professional equipment	984	635	781	890	779	788
Motor vehicles, parts and accessories and other transport equipment	18 678	22 887	29 209	29 200	27 124	29 343
Motor vehicles	10 411	13 798	17 353	16 120	16 576	17 720
Bodies for motor vehicles, trailers and semi-trailers	751	900	1 120	1 246	1 179	1 235
Parts and accessories	4 773	6 014	8 253	8 860	7 094	7 950
Other transport equipment	2 743	2 175	2 483	2 975	2 275	2 437
Furniture and other manufacturing	7 650	5 968	7 483	7 275	7 241	7 869
Furniture	1 204	851	1 268	1 213	1 232	1 427
Other manufacturing groups	6 446	5 116	6 215	6 062	6 009	6 442
Total	184 916	171 820	186 881	204 024	191 917	203 244

¹ The latest three months are preliminary.

Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group

Manufacturing division and major group	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19
Food and beverages	7,9	15,6	7,3	7,0	10,6	9,6
Meat, fish, fruit, etc.	5,7	-0,6	4,9	6,4	14,4	4,8
Dairy products	7,6	10,7	5,5	10,2	17,6	12,6
Grain mill products	5,8	14,8	10,3	9,3	16,0	12,2
Other food products	3,8	33,5	3,6	5,4	-3,4	12,9
Beverages	12,8	21,1	11,5	6,6	16,3	9,6
Textiles, clothing, leather and footwear	-3,0	-2,2	-4,0	0,9	0,0	2,0
Textiles	-0,3	-1,8	-3,6	-3,7	-9,2	-0,8
Other textile products	-10,5	2,4	-3,9	-3,8	-4,4	-3,6
Knitted, crocheted articles	-12,5	6,3	0,5	-5,8	-7,9	-4,2
Wearing apparel	-7,5	-1,4	-5,7	-0,9	-0,8	-0,6
Leather and leather products	-6,4	-14,5	-11,8	9,9	10,4	17,6
Footwear	36,6	-0,8	9,9	21,2	21,4	16,1
Wood and wood products, paper, publishing and printing	5,1	8,5	3,0	9,2	5,2	1,4
Sawmilling and planing of wood	-16,6	3,4	-9,0	-0,2	19,3	-3,9
Products of wood	-6,7	4,7	4,3	-6,1	6,6	1,3
Paper and paper products	9,7	8,1	2,3	21,5	2,8	2,4
Publishing	5,1	1,1	4,9	3,1	4,0	-3,3
Printing, recorded media	7,4	20,0	7,8	1,0	5,5	3,7
Petroleum, chemical products, rubber and plastic products	2,6	3,7	3,3	5,4	14,2	-0,5
Coke, petroleum products and nuclear fuel	4,7	1,8	-0,8	11,9	18,3	-4,6
Basic chemicals	-2,8	2,7	5,1	-3,8	17,4	-1,1
Other chemical products	3,7	7,0	5,3	4,5	6,1	0,7
Rubber products	-2,3	-1,5	6,0	2,2	7,8	10,2
Plastic products	4,4	5,3	4,7	8,8	18,9	5,3
Glass and non-metallic mineral products	5,7	-0,9	-4,3	-4,4	0,1	-0,8
Glass and glass products	7,7	9,5	13,6	18,1	12,5	4,3
Non-metallic mineral products	5,2	-3,4	-7,5	-8,2	-2,3	-1,8
Basic iron and steel, non-ferrous metal products, metal products and machinery	11,5	5,8	4,2	16,9	17,9	7,3
Basic iron and steel products	10,7	-13,7	-8,9	9,0	5,8	-3,6
Non-ferrous metal products	32,7	28,5	15,4	42,2	37,5	22,6
Structural metal products	-6,6	13,7	-1,2	7,4	24,1	1,3
Other fabricated metal products	-4,1	1,7	6,8	8,7	12,9	2,6
General purpose machinery	-9,1	-1,4	-0,8	5,6	18,1	5,1
Special purpose machinery	7,6	14,7	13,8	10,9	7,5	10,8
Household appliances	1,7	3,3	6,7	10,0	10,2	6,3
Electrical machinery	-13,4	-4,9	1,1	4,1	10,4	1,0
Radio, television and communication apparatus and professional equipment	5,5	-9,0	3,4	0,9	-4,8	-8,7
Radio, television and communication apparatus	14,7	-5,9	20,0	6,1	-0,7	-3,8
Professional equipment	-5,8	-12,7	-16,2	-5,4	-9,5	-14,8
Motor vehicles, parts and accessories and other transport equipment	-3,9	26,1	18,6	8,6	33,0	4,9
Motor vehicles	-7,0	51,3	31,5	15,0	48,6	12,6
Bodies for motor vehicles, trailers and semi-trailers	-4,1	13,9	10,1	8,9	23,1	3,7
Parts and accessories	1,1	-2,0	9,3	14,5	13,6	-2,5
Other transport equipment	0,0	3,6	-13,1	-25,3	12,1	-15,9
Furniture and other manufacturing	10,2	9,5	3,2	6,7	11,1	3,6
Furniture	-10,1	-7,8	-8,4	-5,7	-1,4	-0,2
Other manufacturing groups	15,0	13,0	6,0	9,6	14,1	4,4
Total	5,2	9,6	6,1	8,7	14,6	4,5

Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points)

Manufacturing division and major group	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19
Food and beverages	2,2	3,8	1,6	1,6	2,6	2,1
Meat, fish, fruit, etc.	0,4	0,0	0,3	0,4	0,9	0,3
Dairy products	0,2	0,2	0,1	0,2	0,4	0,2
Grain mill products	0,2	0,5	0,3	0,3	0,5	0,4
Other food products	0,2	1,7	0,2	0,2	-0,2	0,6
Beverages	1,2	1,3	0,7	0,4	1,0	0,6
Textiles, clothing, leather and footwear	-0,1	0,0	-0,1	0,0	0,0	0,0
Textiles	0,0	0,0	0,0	0,0	0,0	0,0
Other textile products	-0,1	0,0	0,0	0,0	0,0	0,0
Knitted, crocheted articles	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	-0,1	0,0	0,0	0,0	0,0	0,0
Leather and leather products	0,0	-0,1	0,0	0,0	0,0	0,1
Footwear	0,1	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	0,4	0,6	0,2	0,6	0,4	0,1
Sawmilling and planing of wood	-0,1	0,0	0,0	0,0	0,1	0,0
Products of wood	-0,1	0,0	0,0	-0,1	0,1	0,0
Paper and paper products	0,4	0,3	0,1	0,7	0,1	0,1
Publishing	0,0	0,0	0,0	0,0	0,0	0,0
Printing, recorded media	0,1	0,2	0,1	0,0	0,1	0,0
Petroleum, chemical products, rubber and plastic products	0,6	0,8	0,7	1,1	2,9	-0,1
Coke, petroleum products and nuclear fuel	0,4	0,1	0,0	0,7	1,3	-0,3
Basic chemicals	-0,1	0,1	0,2	-0,2	0,7	-0,1
Other chemical products	0,2	0,4	0,3	0,3	0,4	0,0
Rubber products	0,0	0,0	0,0	0,0	0,1	0,1
Plastic products	0,1	0,2	0,1	0,2	0,5	0,1
Glass and non-metallic mineral products	0,1	0,0	-0,1	-0,1	0,0	0,0
Glass and glass products	0,0	0,0	0,1	0,1	0,1	0,0
Non-metallic mineral products	0,1	-0,1	-0,2	-0,2	-0,1	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	2,3	1,3	1,0	3,8	4,0	1,6
Basic iron and steel products	0,5	-1,0	-0,6	0,6	0,3	-0,2
Non-ferrous metal products	1,9	1,7	0,9	2,3	2,2	1,3
Structural metal products	-0,1	0,2	0,0	0,1	0,3	0,0
Other fabricated metal products	-0,1	0,1	0,2	0,3	0,5	0,1
General purpose machinery	-0,2	0,0	0,0	0,1	0,3	0,1
Special purpose machinery	0,2	0,4	0,4	0,4	0,2	0,3
Household appliances	0,0	0,0	0,0	0,1	0,1	0,0
Electrical machinery	-0,3	-0,1	0,0	0,1	0,2	0,0
Radio, television and communication apparatus and professional equipment	0,1	-0,1	0,0	0,0	-0,1	-0,1
Radio, television and communication apparatus	0,1	0,0	0,1	0,0	0,0	0,0
Professional equipment	0,0	-0,1	-0,1	0,0	0,0	-0,1
Motor vehicles, parts and accessories and other transport equipment	-0,4	3,0	2,6	1,2	4,0	0,7
Motor vehicles	-0,4	3,0	2,4	1,1	3,2	1,0
Bodies for motor vehicles, trailers and semi-trailers	0,0	0,1	0,1	0,1	0,1	0,0
Parts and accessories	0,0	-0,1	0,4	0,6	0,5	-0,1
Other transport equipment	0,0	0,0	-0,2	-0,5	0,1	-0,2
Furniture and other manufacturing	0,4	0,3	0,1	0,2	0,4	0,1
Furniture	-0,1	0,0	-0,1	0,0	0,0	0,0
Other manufacturing groups	0,5	0,4	0,2	0,3	0,4	0,1
Total	5,2	9,6	6,1	8,7	14,6	4,5

Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Month-on-month % change
Food and beverages	49 480	46 413	47 280	48 022	47 938	-0,2
Meat, fish, fruit, etc.	12 692	12 753	12 813	12 874	12 856	-0,1
Dairy products	4 169	4 063	4 152	4 331	4 309	-0,5
Grain mill products	6 614	6 541	6 586	6 818	6 711	-1,6
Other food products	12 231	9 657	9 935	10 394	10 354	-0,4
Beverages	13 774	13 400	13 794	13 605	13 709	0,8
Textiles, clothing, leather and footwear	4 672	4 533	4 623	4 710	4 715	0,1
Textiles	578	578	545	565	566	0,2
Other textile products	1 308	1 281	1 281	1 275	1 289	1,1
Knitted, crocheted articles	228	215	205	211	201	-4,7
Wearing apparel	1 508	1 461	1 470	1 507	1 473	-2,3
Leather and leather products	554	511	631	666	686	3,0
Footwear	496	487	492	486	498	2,5
Wood and wood products, paper, publishing and printing	14 724	14 419	14 339	14 791	14 314	-3,2
Sawmilling and planing of wood	1 051	932	947	1 202	1 007	-16,2
Products of wood	2 088	2 133	2 079	2 180	2 132	-2,2
Paper and paper products	7 152	6 982	6 944	7 050	6 929	-1,7
Publishing	1 600	1 628	1 594	1 618	1 539	-4,9
Printing, recorded media	2 833	2 744	2 775	2 742	2 706	-1,3
Petroleum, chemical products, rubber and plastic products	40 526	40 296	41 212	43 103	40 346	-6,4
Coke, petroleum products and nuclear fuel	13 186	12 566	13 792	14 789	12 742	-13,8
Basic chemicals	8 365	8 659	8 300	8 559	8 629	0,8
Other chemical products	11 851	11 927	11 808	12 076	11 644	-3,6
Rubber products	1 331	1 376	1 368	1 451	1 495	3,0
Plastic products	5 794	5 767	5 943	6 227	5 835	-6,3
Glass and non-metallic mineral products	5 466	5 511	5 301	5 566	5 554	-0,2
Glass and glass products	1 022	1 055	1 097	1 068	1 055	-1,2
Non-metallic mineral products	4 444	4 455	4 204	4 498	4 498	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	43 494	43 691	46 852	47 036	45 516	-3,2
Basic iron and steel products	10 055	10 735	11 633	10 998	11 115	1,1
Non-ferrous metal products	13 185	12 683	14 769	14 435	13 840	-4,1
Structural metal products	2 844	2 749	2 939	3 326	3 005	-9,7
Other fabricated metal products	6 677	6 859	6 863	7 320	6 748	-7,8
General purpose machinery	3 438	3 551	3 716	3 972	3 775	-5,0
Special purpose machinery	6 067	5 880	5 674	5 689	5 766	1,4
Household appliances	1 229	1 233	1 258	1 297	1 267	-2,3
Electrical machinery	4 361	4 541	4 677	4 825	4 624	-4,2
Radio, television and communication apparatus and professional equipment	1 991	2 196	2 063	2 019	1 984	-1,7
Radio, television and communication apparatus	1 162	1 401	1 249	1 200	1 205	0,4
Professional equipment	829	795	815	819	780	-4,8
Motor vehicles, parts and accessories and other transport equipment	28 600	29 554	27 462	29 540	28 432	-3,8
Motor vehicles	17 417	17 792	15 816	17 962	17 299	-3,7
Bodies for motor vehicles, trailers and semi-trailers	1 302	1 158	1 181	1 233	1 067	-13,5
Parts and accessories	7 067	7 968	7 927	7 730	7 406	-4,2
Other transport equipment	2 813	2 636	2 538	2 615	2 661	1,8
Furniture and other manufacturing	7 831	7 645	7 663	7 844	7 736	-1,4
Furniture	1 351	1 353	1 344	1 377	1 393	1,2
Other manufacturing groups	6 480	6 292	6 319	6 467	6 343	-1,9
Total	201 144	198 800	201 473	207 456	201 159	-3,0

Survey information

- Introduction**
- 1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.
 - 2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2015. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.
 - 4 Stats SA is continuously updating its BSF, based on units registered for value added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.
- Special Data Dissemination Standard of the IMF**
- 6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities* (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 *International Standard Industrial Classification of all Economic Activities* (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level.
- Collection rate**
- 9 The preliminary collection rate for the survey on manufacturing production and sales for May 2019 was 86,5%. The improved collection rate for April 2019 was 89,6%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.
- Revised figures**
- 11 Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.

- Related publications** 12 Users may also wish to refer to *Stats in Brief* available from Stats SA.
- Rounding-off of figures** 13 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Historical data** 14 Historical manufacturing data are available on the Stats SA webpage. Click on the following link ([Time series data](#)) to access the data electronically.
- Past publications** 15 Past manufacturing releases are available on the Stats SA webpage. Click on the following link ([Past publications](#)) to access the releases electronically.

Technical notes

Survey methodology and design

- 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 083 enterprises from a population of 50 191 manufacturing enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.
- 2 A stratified random sample was drawn at the Standard Industrial Classification (SIC) three-digit level in April 2018 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of the SIC and the measure of size classes for enterprises (see point 3 below).

The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below:

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

N_h and S_h are the stratum population size and the stratum variance respectively.

Class limits

- 3 Each manufacturing major group is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium (size group two) and to small (size group three and four) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size group two, three and four of that major group to reflect the total value of sales of the major group.

Measure of size classes (Rand)

Enterprise size	Size group	Lower limits	Upper limits
Very small	4	1 842 288	15 000 000
Small	3	15 000 001	39 000 000
Medium	2	39 000 001	153 000 000
Large	1	153 000 001	

Sample weighting

- 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.

Index of the volume of manufacturing production

- 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The current base period is 2015. The production in the base period is set at 100.

Calculation of production index

- 6 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the production price index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 7 More direct indicators are used for the value of production of the following major groups:
 - tobacco;
 - coke and refined petroleum products;
 - basic iron and steel products;
 - basic precious and non-ferrous metal products;
 - motor vehicles; and
 - parts and accessories for motor vehicles.

The volume indices for these major groups are calculated on the basis of quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Index weighting

- 8 For indices, a weight is calculated for every major group according to the value added of the major group (i.e. output of a major group minus intermediate consumption) relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total volume of manufacturing production. Weights between census/LSS/NA years are fixed. The table below reflects the period and the census/LSS/NA which were used as base year for the given period.

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2019	National accounts

- 9 The weights reflect the importance of the major group/division to the total manufacturing industry. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights are calculated and implemented annually.

Table E – Weights by division and major group

Manufacturing division and major group	Weights used for manufacturing indices by period		
	2015 (based on value added for 2013 – 2015)	2016 (based on value added for 2014 – 2016)	2017 – 2019 (based on value added for 2015 – 2017)
Food and beverages	25,15	25,78	26,64
Meat, fish, fruit, etc.	6,39	6,59	6,69
Dairy products	1,89	2,00	2,15
Grain mill products	2,86	3,12	3,37
Other food products	7,62	7,74	8,14
Beverages	6,39	6,33	6,29
Textiles, clothing, leather and footwear	3,28	3,21	3,12
Textiles	0,83	0,80	0,78
Other textile products	0,41	0,41	0,40
Knitted, crocheted articles	0,09	0,09	0,09
Wearing apparel	1,10	1,08	1,04
Leather and leather products	0,49	0,48	0,46
Footwear	0,36	0,35	0,35
Wood and wood products, paper, publishing and printing	11,62	11,28	11,45
Sawmilling and planing of wood	1,71	1,69	1,73
Products of wood	2,37	2,42	2,57
Paper and paper products	4,33	4,09	4,14
Publishing	1,49	1,45	1,43
Printing, recorded media	1,72	1,63	1,58
Petroleum, chemical products, rubber and plastic products	24,01	23,82	23,07
Coke, petroleum products and nuclear fuel	9,29	9,18	8,67
Basic chemicals	4,36	4,41	4,29
Other chemical products	6,16	6,15	6,19
Rubber products	1,34	1,30	1,24
Plastic products	2,86	2,78	2,68
Glass and non-metallic mineral products	3,90	3,53	3,18
Glass and glass products	0,74	0,69	0,66
Non-metallic mineral products	3,16	2,84	2,52
Basic iron and steel, non-ferrous metal products, metal products and machinery	18,72	18,74	18,69
Basic iron and steel products	3,44	3,52	3,57
Non-ferrous metal products (including precious metals)	2,73	2,60	2,58
Structural metal products	1,86	1,92	1,99
Other fabricated metal products	3,86	3,84	3,79
General purpose machinery	2,51	2,57	2,58
Special purpose machinery	3,51	3,50	3,41
Household appliances	0,81	0,79	0,77
Electrical machinery	1,65	1,63	1,64
Radio, television and communication apparatus and professional equipment	1,61	1,59	1,54
Radio, television and communication apparatus	0,93	0,92	0,90
Professional equipment	0,68	0,67	0,64
Motor vehicles, parts and accessories and other transport equipment	6,86	7,20	7,56
Motor vehicles	2,43	2,60	2,82
Bodies for motor vehicles, trailers and semi-trailers	0,46	0,48	0,47
Parts and accessories	2,76	2,89	3,04
Other transport equipment	1,21	1,23	1,23
Furniture and other manufacturing	3,20	3,22	3,11
Furniture	1,09	1,08	1,07
Other manufacturing groups	2,11	2,14	2,04
Total	100	100	100

- Seasonal adjustment** 10 Seasonally adjusted estimates of all major groups are generated each month, using the X-12 Seasonal Adjustment Program developed by the US Bureau of the Census, 1968. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website: [Click to Download Seasonal adjustment Manufacturing June 2017](#)
- Trend cycle** 11 The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend.
- Reliability of estimates** 12 Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.
- 13 Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.
- Month-on-month percentage change** 14 The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.
- Year-on-year (annual) percentage change** 15 The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.
- Index contribution (percentage points)** 16 The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.
- Sales contribution (percentage points)** 17 The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100.

Glossary

Enterprise The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.

Industry An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the *System of National Accounts (SNA)* in the same way as in the *Standard Industrial Classification of all Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02 of January 1993.

Sales Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.

Symbols and abbreviations

BSF	Business sampling frame
GDP	Gross domestic product
IMF	International Monetary Fund
ISIC	International Standard Industrial Classification
LSS	Large sample survey
NA	National accounts
PPI	Producer price index
Rm	R million
SIC	Standard Industrial Classification of all Economic Activities
SARS	South African Revenue Service
SDDS	Special Data Dissemination Standard
Stats SA	Statistics South Africa
VAT	Value added tax
*	Revised figures

Technical enquiries

Nicolai Claassen Telephone number: (012) 310 8007
Email: nicolaic@statssa.gov.za

Gerda Bruwer Telephone number: (012) 310 8249
Email: gerdab@statssa.gov.za

General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

Stats SA has copyright on this publication. Users may apply the information as they wish, provided that they acknowledge Stats SA as the source of the basic data wherever they process, apply, utilise, publish or distribute the data; and also that they specify that the relevant application and analysis (where applicable) result from their own processing of the data.

Advance release calendar

An advance release calendar is disseminated on www.statssa.gov.za

Stats SA products

A complete set of Stats SA publications is available at the Stats SA Library and the following libraries:

National Library of South Africa, Pretoria Division
National Library of South Africa, Cape Town Division
Natal Society Library, Pietermaritzburg
Library of Parliament, Cape Town
Bloemfontein Public Library
Johannesburg Public Library
Eastern Cape Library Services, King William's Town
Central Regional Library, Polokwane
Central Reference Library, Mbombela
Central Reference Collection, Kimberley
Central Reference Library, Mmabatho

Stats SA also provides a subscription service.

Electronic services

A large range of data is available via online services. For more details about our electronic data services, contact Stats SA's user information service at (012) 310 8600.

You can visit us on the Internet at: www.statssa.gov.za

General enquiries

User information services Telephone number: (012) 310 8600
Email address: info@statssa.gov.za

Postal address Private Bag X44, Pretoria, 0001

Produced by Stats SA