



National Accounts of Aruba



Central Bureau of Statistics - Aruba
Statistics for progress

July 2022



Gross Domestic Product 2000 – 2018

Figures for Aruba

2018 preliminary figures

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WHERE TO ORDER

Central Bureau of Statistics
L.G. Smith Boulevard 160,
Oranjestad,
Aruba,
Dutch Caribbean
Phone: (297) 522-7433
Fax: (297) 583-8057
E-mail: cbs@setarnet.aw



Preface



This publication provides quantitative information on the National Accounts for the period 2000 - 2018. The series covered the gross domestic products by production and expenditure approach by kind of economic activities at current prices. The figures contained in this publication are the most recent figures and revisions available at the time of compilation. In some instances, the data for the most recent year are preliminary and subject to revision. The objective of this publication is to provide reliable data for informed discussion amongst planners, researchers and decision makers about the performance and structure of the economy of the community as a whole.

Explanatory notes are provided on source of data and methods used. We thank all the various departments and organizations that made their data available as input into the publication.

Director Central Bureau of Statistics

Marlon Faarup

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Methodology



Introduction



National Accounts provide a comprehensive description of the complex activities taking place within an economy and between the economy and the rest of the world. In this system - consisting of macroeconomic accounts, balance sheets and tables - economic data are compiled in a mutually consistent way using a set of internationally accepted concepts, definitions, classifications, and accounting rules. These concepts, definitions, classifications and accounting rules are extensively elaborated on in the System of National Accounts 2008 (2008 SNA). Because of the format in which the information is presented and organized, it is the ideal set up for economic analysis, decision-taking and policy-making.

The supply and use tables provide a detailed analysis of the process of production, the use of goods and services, and the income generated in that production. The supply and use tables are matrices that record how supplies of different kinds of goods and services originate from domestic industries and imports and on the other hand how those supplies are allocated between various intermediate or final uses, including exports.

The SUT framework is ideal for the estimation of gross domestic product (GDP), as it combines the three approaches of measuring GDP.

The three methods are discussed in brief:

- The production approach: In this case, GDP is equal to the sum of value added. This implies that GDP at market prices is equal to the total industry output at basic prices minus the total industry intermediate consumption in purchasers' prices plus taxes less subsidies on products.
- The income approach: GDP at market prices is equal to the sum of compensation of employees, taxes less subsidies on production and imports, gross mixed incomes, and operating surplus.
- The expenditure approach: The sum of final expenditures in purchasers' prices minus imports yields GDP at market prices. The final expenditures are equal to final consumption expenditures, gross capital formation and exports of goods and services.

The supply and use tables are elaborated in the next chapters. The chapter methodology is dedicated to the description of methods, data sources, concepts and definitions used to compile the supply and use tables. A new Supply and Use Tables Framework should be produced, preferably, every 5 years as the structure of the economy may change in the longer term. This however was not the case for Aruba as our economy's structure has remained stable throughout the years.

Gross domestic product by Production Approach



1.1 Gross domestic product in (AFL million)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018 ²
1. Production approach																			
Industries																			
Agriculture, forestry and fishing; mining and quarrying	0.62	0.63	0.63	0.66	0.71	0.73	0.77	0.86	0.87	0.91	0.90	0.96	1.01	0.87	0.74	0.66	0.99	1.32	1.74
Manufacturing	137.53	145.19	155.42	174.81	226.91	261.38	290.26	319.50	339.48	192.27	125.63	198.60	93.23	159.31	171.82	190.15	197.02	206.68	179.39
Electricity, gas, steam and air conditioning supply/Water supply; sew	116.31	133.93	129.13	150.76	151.48	155.86	157.41	163.38	164.46	164.83	170.09	140.04	167.91	152.36	143.43	226.50	225.38	213.11	193.70
Construction	188.01	164.02	180.45	219.33	251.10	271.24	332.88	354.91	319.59	239.14	211.37	245.28	210.54	213.22	224.26	244.65	256.61	266.32	282.51
Wholesale and retail trade; repair of motor vehicles and motorcycles	525.64	466.79	520.06	517.16	556.77	540.37	543.86	581.31	621.68	491.01	476.05	501.54	447.38	475.74	482.57	523.99	535.21	533.83	541.22
Transportation and storage	125.27	133.12	140.85	137.95	143.59	148.89	156.89	164.14	176.72	176.67	174.69	188.66	197.67	214.31	217.41	266.86	257.84	271.87	287.98
Accommodation and food service activities	516.18	534.74	498.71	498.60	587.56	631.97	608.70	667.24	748.88	612.85	620.35	664.87	686.88	726.76	768.05	859.47	828.34	911.90	991.40
Information and communication	103.66	110.15	116.55	114.15	118.81	123.20	129.81	135.81	146.22	146.18	144.55	156.10	163.13	154.45	151.37	155.05	160.41	166.66	167.67
Financial and insurance activities	226.41	231.38	225.45	238.03	270.72	286.96	313.10	334.79	364.92	371.66	372.72	377.09	397.02	411.68	431.14	400.07	409.71	386.45	370.89
Real estate activities	249.23	274.76	300.81	313.51	331.92	324.90	330.02	331.36	368.79	337.80	342.74	398.22	394.95	412.56	433.33	436.55	439.45	463.79	491.34
Professional, scientific and technical activities	34.83	34.40	35.33	40.62	51.14	51.89	62.56	82.66	75.50	80.89	73.75	96.59	88.04	102.55	106.29	123.31	130.44	135.64	140.16
Administrative and support service activities	153.74	152.72	171.46	177.88	184.32	191.15	200.79	204.83	215.46	214.20	213.00	200.20	190.49	202.99	208.41	237.16	253.33	273.97	286.35
Public administration and defence; compulsory social security	384.83	384.20	393.14	402.03	433.86	474.52	469.54	477.65	487.03	518.53	521.40	540.13	608.73	646.21	616.37	613.78	610.73	619.99	629.30
Education	87.31	91.83	97.56	101.88	105.81	111.65	113.37	117.02	128.03	123.04	125.89	131.92	136.71	142.71	146.18	135.88	136.82	137.21	139.69
Human health and social work activities	95.27	128.10	137.39	136.47	133.26	133.97	148.29	155.61	176.77	177.79	178.85	185.47	195.64	207.23	213.01	214.07	215.55	223.22	245.28
Arts, entertainment and recreation	83.25	83.23	80.82	86.09	97.65	101.48	99.04	115.73	131.49	129.67	133.13	139.67	138.11	135.69	145.38	146.90	140.93	162.56	171.31
Other service activities	41.95	42.38	44.21	42.62	43.78	42.83	53.62	52.07	46.77	47.61	36.80	39.27	40.54	42.30	47.46	42.10	43.04	41.13	45.33
Activities of households as employers	24.69	24.93	25.10	25.39	26.71	27.41	30.70	33.21	34.50	35.60	35.69	36.02	38.11	39.93	40.95	42.05	43.02	44.13	45.31
Total	3,094.73	3,136.49	3,253.06	3,377.93	3,716.11	3,880.39	4,041.62	4,292.08	4,547.13	4,060.65	3,957.62	4,240.63	4,196.09	4,440.87	4,548.16	4,859.18	4,884.80	5,059.77	5,210.55
Total taxes less subsidies on products	258.75	258.17	258.64	281.03	320.04	344.04	379.29	500.90	541.88	510.64	434.32	481.14	485.13	441.98	447.46	444.42	455.91	475.68	521.37
Nominal gross domestic product at market prices	3,353.48	3,394.66	3,511.70	3,658.96	4,036.15	4,224.43	4,420.91	4,792.98	5,089.01	4,571.29	4,391.94	4,721.77	4,681.22	4,882.85	4,995.62	5,303.60	5,340.71	5,535.45	5,731.92

Gross domestic product by Expenditure Approach

1.1 Gross domestic product in (AFL million)

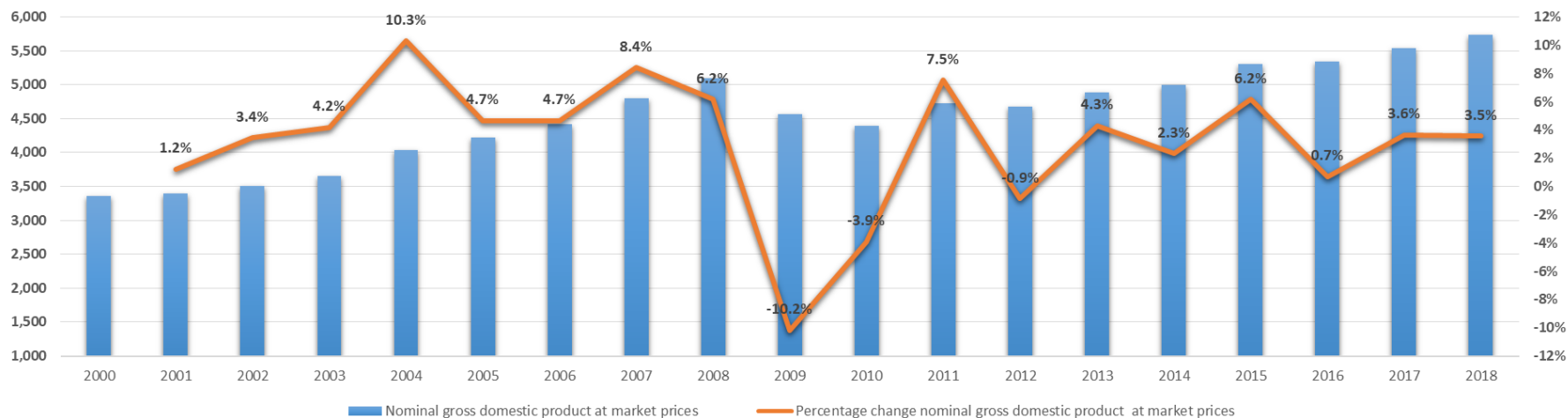
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018 ²
2. Expenditure approach																			
Final consumption expenditure at purchasers' prices	2,374.49	2,525.57	2,720.59	2,870.46	3,012.92	3,199.55	3,418.92	3,743.47	3,865.03	3,751.99	3,809.80	4,132.45	4,068.71	4,148.90	4,157.34	4,168.04	4,167.03	4,326.27	4,542.64
Household	1,656.19	1,682.27	1,846.52	1,976.04	2,089.18	2,234.86	2,432.04	2,717.08	2,783.70	2,616.80	2,647.46	2,946.89	2,843.26	2,869.92	2,917.24	2,934.66	2,912.63	3,051.92	3,192.21
Government	718.30	843.30	874.07	894.42	923.74	964.69	986.88	1,026.39	1,081.33	1,135.19	1,162.33	1,185.56	1,225.45	1,278.98	1,240.10	1,233.39	1,254.40	1,274.35	1,350.43
Gross capital formation	854.94	814.69	935.17	1,056.77	1,148.34	1,400.84	1,526.06	1,521.61	1,633.73	1,355.03	1,242.18	1,294.55	1,101.14	1,163.38	1,154.56	1,142.34	1,098.85	1,137.60	1,236.68
Private ¹	827.10	791.59	912.43	1,006.65	1,088.66	1,336.44	1,459.56	1,464.11	1,555.93	1,272.83	1,166.48	1,232.85	1,028.41	1,099.76	1,104.78	1,106.97	1,030.58	1,090.44	1,182.56
Public	27.84	23.10	22.74	50.12	59.68	64.40	66.50	57.50	77.80	82.20	75.70	61.70	72.73	63.62	49.78	35.37	68.27	47.16	54.12
Exports of goods and services	2,494.52	2,410.10	2,267.31	2,295.31	2,610.00	2,875.79	2,855.65	3,118.37	3,334.80	2,876.19	2,644.75	3,293.48	3,422.14	3,737.74	3,910.35	3,863.83	3,835.72	4,015.90	4,230.12
Less: Imports of goods and services	2,370.47	2,355.70	2,411.36	2,563.58	2,735.11	3,251.76	3,379.72	3,590.47	3,744.54	3,411.92	3,304.78	3,998.71	3,910.77	4,167.17	4,226.62	3,870.61	3,760.89	3,944.32	4,277.52
Nominal gross domestic product at market prices	3,353.48	3,394.66	3,511.70	3,658.96	4,036.15	4,224.43	4,420.91	4,792.98	5,089.01	4,571.29	4,391.94	4,721.77	4,681.22	4,882.85	4,995.62	5,303.60	5,340.71	5,535.45	5,731.92
3. Percentage change nominal gross domestic product at market prices		1.2%	3.4%	4.2%	10.3%	4.7%	4.7%	8.4%	6.2%	-10.2%	-3.9%	7.5%	-0.9%	4.3%	2.3%	6.2%	0.7%	3.6%	3.5%
4. Midyear population (number of persons)	90,588	91,439	92,074	93,128	95,138	97,634	99,405	100,149	100,916	101,604	101,873	102,813	104,580	106,383	107,823	109,225	110,354	110,850	111,466
5. Nominal gross domestic product per capita (in AFL)	37,019	37,125	38,140	39,290	42,424	43,268	44,474	47,858	50,428	44,991	43,112	45,926	44,762	45,899	46,332	48,557	48,396	49,936	51,423

Source: Central Bureau of Statistics, Aruba

¹⁾ Includes Changes in inventories; ²⁾ Preliminary figures

Gross domestic product

Gross domestic product



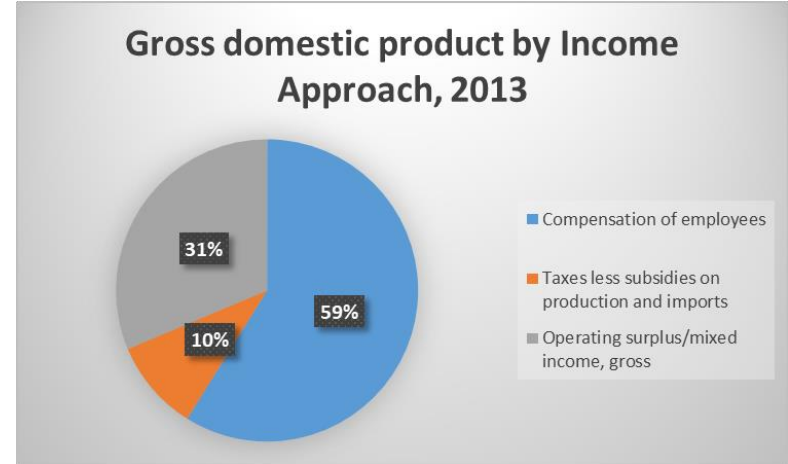
Gross domestic product by Income Approach



1.1 Gross domestic product in (AFL million)

	2013
3. Income approach	
Compensation of employees	2,874.84
Taxes less subsidies on production and imports	478.33
Operating surplus/mixed income, gross	1,529.68
Nominal gross domestic product at market prices	4,882.85

Source: Central Bureau of Statistics, Aruba



Note:

- Compensation of employees

Compensation of employees is defined as the total remuneration, in cash or kind, payable by an enterprise to an employee in return for work done by the latter during the accounting period.

- Taxes less subsidies on production and imports:

Taxes (subsidies) on production consist of all taxes (subsidies) except taxes (subsidies) on products that enterprises incur (receive) as a result of engaging in production.

- Operating surplus/mixed income

Operating surplus/mixed income is a measure of the surplus accruing from the production process before deducting any explicit or implicit interest charges, rents or other property incomes payable on the financial assets, land or other tangible non-produced assets required to carry on the production.

Output of industries at basic prices

1.2 Output of industries at basic prices (in AFL million)

Industries	2013 ¹	2014	2015	2016	2017	2018 ³
Agriculture, forestry and fishing-Mining and quarrying	3.73	3.59	3.15	5.22	6.13	7.20
Manufacturing	353.51	365.80	386.21	408.55	433.84	391.47
Electricity, gas, steam and air conditioning supply/Water supply; sewerage, waste	869.32	882.92	942.10	933.99	878.74	861.64
Construction	483.67	507.36	539.29	546.12	605.35	640.57
Wholesale and retail trade; repair of motor vehicles and motorcycles	979.97	971.15	989.46	1,000.24	1,046.46	1,056.68
Transportation and storage	396.92	397.37	478.64	478.22	482.54	509.48
Accommodation and food service activities	1,595.58	1,715.80	1,881.50	1,919.88	2,150.31	2,367.36
Information and communication	248.47	242.25	264.95	274.80	269.79	273.07
Financial and insurance activities	659.40	677.26	648.52	673.91	677.34	681.94
Real estate activities	597.03	616.81	642.32	662.50	694.13	727.97
Professional, scientific and technical activities	170.46	173.80	194.24	202.74	222.16	228.27
Administrative and support service activities	380.01	387.45	434.73	485.52	503.35	521.26
Public administration and defence; compulsory social security	973.20	904.83	914.86	906.67	921.31	949.15
Education	172.38	173.58	166.66	166.59	170.37	173.82
Human health and social work activities	319.08	327.14	328.38	332.69	347.26	379.84
Arts, entertainment and recreation	281.57	303.29	293.89	298.73	347.54	364.28
Other service activities	77.41	81.78	79.32	79.95	77.33	84.98
Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use	40.60	41.61	42.66	43.72	44.83	45.98
Total	8,602.31	8,773.79	9,230.87	9,420.04	9,878.77	10,264.96

¹) Supply and Use Tables 2013, ²) 2014-2017 figures are based on GDP calculations, ³) Preliminary figures

Intermediate consumption of industries at purchaser's prices

1.3 Intermediate consumption of industries at purchasers' prices (in AFL million)

Industries	2013 ¹	2014	2015	2016	2017	2018 ³
Agriculture, forestry and fishing-Mining and quarrying	2.86	2.85	2.49	4.23	4.81	5.46
Manufacturing	194.20	193.98	196.06	211.53	227.16	212.07
Electricity, gas, steam and air conditioning supply/Water supply; sewerage, waste	716.96	739.49	715.60	708.61	665.63	667.94
Construction	270.45	283.10	294.65	289.51	339.04	358.06
Wholesale and retail trade; repair of motor vehicles and motorcycles	504.23	488.57	465.47	465.04	512.63	515.46
Transportation and storage	182.61	179.96	211.78	220.39	210.67	221.51
Accommodation and food service activities	868.82	947.75	1,022.03	1,091.54	1,238.41	1,375.96
Information and communication	94.02	90.88	109.90	114.39	103.13	105.40
Financial and insurance activities	247.72	246.12	248.44	264.20	290.89	311.05
Real estate activities	184.47	183.48	205.77	223.05	230.34	236.63
Professional, scientific and technical activities	67.91	67.51	70.93	72.30	86.52	88.12
Administrative and support service activities	177.02	179.04	197.56	232.19	229.38	234.91
Public administration and defence; compulsory social security	326.99	288.46	301.08	295.94	301.32	319.86
Education	29.67	27.40	30.79	29.77	33.16	34.14
Human health and social work activities	111.85	114.13	114.31	117.15	124.04	134.56
Arts, entertainment and recreation	145.88	157.91	146.99	157.80	184.98	192.97
Other service activities	35.11	34.32	37.22	36.91	36.20	39.65
Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use	0.67	0.66	0.61	0.70	0.70	0.67
Total	4,161.44	4,225.63	4,371.69	4,535.23	4,819.00	5,054.41

¹) Supply and Use Tables 2013, ²) 2014-2017 figures are based on GDP calculations, ³) Preliminary figures

Gross value added by industries at basic prices

1.4 Gross value added by industries at basic prices (in AFL million)

Industries	2013 ¹	2014	2015	2016	2017	2018 ³
Agriculture, forestry and fishing-Mining and quarrying	0.87	0.74	0.66	0.99	1.32	1.74
Manufacturing	159.31	171.82	190.15	197.02	206.68	179.39
Electricity, gas, steam and air conditioning supply/Water supply; sewerage, waste	152.36	143.43	226.50	225.38	213.11	193.70
Construction	213.22	224.26	244.65	256.61	266.31	282.51
Wholesale and retail trade; repair of motor vehicles and motorcycles	475.74	482.57	523.99	535.20	533.83	541.22
Transportation and storage	214.31	217.41	266.86	257.83	271.86	287.98
Accommodation and food service activities	726.76	768.05	859.47	828.34	911.90	991.40
Information and communication	154.45	151.37	155.05	160.41	166.66	167.67
Financial and insurance activities	411.68	431.14	400.07	409.71	386.45	370.89
Real estate activities	412.56	433.33	436.55	439.45	463.79	491.33
Professional, scientific and technical activities	102.55	106.29	123.31	130.44	135.64	140.15
Administrative and support service activities	202.99	208.41	237.16	253.33	273.97	286.35
Public administration and defence; compulsory social security	646.21	616.37	613.78	610.73	619.99	629.30
Education	142.71	146.18	135.88	136.82	137.21	139.69
Human health and social work activities	207.23	213.01	214.07	215.54	223.22	245.28
Arts, entertainment and recreation	135.69	145.38	146.90	140.93	162.56	171.31
Other service activities	42.30	47.46	42.10	43.04	41.13	45.33
Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use	39.93	40.95	42.05	43.02	44.13	45.31
Total	4,440.87	4,548.16	4,859.18	4,884.80	5,059.77	5,210.55

¹) Supply and Use Tables 2013, ²) 2014-2017 figures are based on GDP calculations, ³) Preliminary figures

Final Consumption Expenditure

1.5 Household final consumption expenditure (in AFL million)

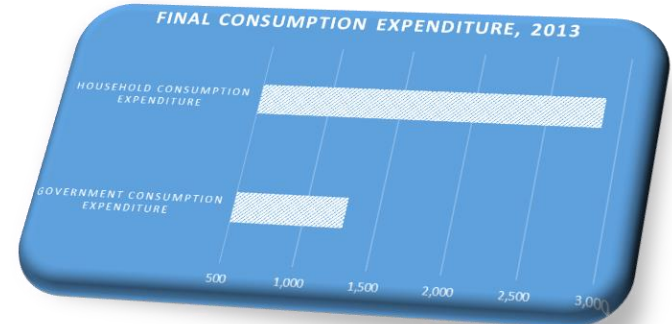
Commodities	2013
Agriculture, Forestry And Fishery Products	52.10
Ores And Minerals; Electricity, Gas And Water	184.68
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	360.05
Other Transportable Goods, Except Metal Products, Machinery	294.52
Metal Products; Machinery And Equipment	247.48
Intangible Assets; Land; Constructions And Construction Services	23.95
Trade, lodging, F&B, transport, and utilities distribution services	158.87
Financial and related services; real estate services; and rental services	609.53
Business And Production Services	147.22
Community, Social And Personal Services	414.23
Final consumption by households in the rest of the world	377.29
Total	2,869.92

1.6 Government final consumption expenditure (in AFL million)

Commodities	2013
Agriculture, Forestry And Fishery Products	-
Ores And Minerals; Electricity, Gas And Water	-
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	-
Other Transportable Goods, Except Metal Products, Machinery	55.29
Metal Products; Machinery And Equipment	-
Intangible Assets; Land; Constructions And Construction Services	-
Trade, lodging, F&B, transport, and utilities distribution services	-
Financial and related services; real estate services; and rental services	5.67
Business And Production Services	70.16
Community, Social And Personal Services	1,147.86
Final consumption by households in the rest of the world	-
Total	1,278.98

1.7 Total final consumption expenditure (in AFL million)

Commodities	2013
Agriculture, Forestry And Fishery Products	52.10
Ores And Minerals; Electricity, Gas And Water	184.68
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	360.05
Other Transportable Goods, Except Metal Products, Machinery	349.81
Metal Products; Machinery And Equipment	247.48
Intangible Assets; Land; Constructions And Construction Services	23.95
Trade, lodging, F&B, transport, and utilities distribution services	158.87
Financial and related services; real estate services; and rental services	615.20
Business And Production Services	217.38
Community, Social And Personal Services	1,562.09
Final consumption by households in the rest of the world	377.29
Total	4,148.90



Gross Fixed Capital Formation



1.8 Private gross fixed capital formation (in AFL million)

Commodities	2013
Agriculture, Forestry And Fishery Products	-
Ores And Minerals; Electricity, Gas And Water	9.20
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	-
Other Transportable Goods, Except Metal Products, Machinery	319.08
Metal Products; Machinery And Equipment	409.26
Intangible Assets; Land; Constructions And Construction Services	275.53
Trade, lodging, F&B, transport, and utilities distribution services	-
Financial and related services; real estate services; and rental services	-
Business And Production Services	11.18
Community, Social And Personal Services	-
Final consumption by households in the rest of the world	-
Total	1,024.25

1.9 Public gross fixed capital formation (in AFL million)

Commodities	2013
Agriculture, Forestry And Fishery Products	-
Ores And Minerals; Electricity, Gas And Water	-
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	-
Other Transportable Goods, Except Metal Products, Machinery	1.30
Metal Products; Machinery And Equipment	1.84
Intangible Assets; Land; Constructions And Construction Services	11.22
Trade, lodging, F&B, transport, and utilities distribution services	-
Financial and related services; real estate services; and rental services	-
Business And Production Services	0.47
Community, Social And Personal Services	48.79
Final consumption by households in the rest of the world	-
Total	63.62

1.10 Changes in inventories (in AFL million)

Commodities	2013
Agriculture, Forestry And Fishery Products	-
Ores And Minerals; Electricity, Gas And Water	-
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	75.51
Other Transportable Goods, Except Metal Products, Machinery	-
Metal Products; Machinery And Equipment	-
Intangible Assets; Land; Constructions And Construction Services	-
Trade, lodging, F&B, transport, and utilities distribution services	-
Financial and related services; real estate services; and rental services	-
Business And Production Services	-
Community, Social And Personal Services	-
Final consumption by households in the rest of the world	-
Total	75.51

1.11 Total gross capital formation (in AFL million)

Commodities	2013
Agriculture, Forestry And Fishery Products	-
Ores And Minerals; Electricity, Gas And Water	9.20
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	75.51
Other Transportable Goods, Except Metal Products, Machinery	320.38
Metal Products; Machinery And Equipment	411.10
Intangible Assets; Land; Constructions And Construction Services	286.75
Trade, lodging, F&B, transport, and utilities distribution services	-
Financial and related services; real estate services; and rental services	-
Business And Production Services	11.65
Community, Social And Personal Services	48.79
Final consumption by households in the rest of the world	-
Total	1,163.38

Exports of goods and services

1.12 Regular exports of goods and services (in AFL million)

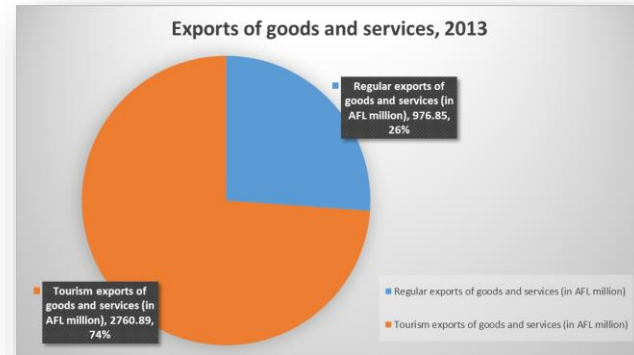
Commodities	2013
Agriculture, Forestry And Fishery Products	0.50
Ores And Minerals; Electricity, Gas And Water	-
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	227.06
Other Transportable Goods, Except Metal Products, Machinery	277.90
Metal Products; Machinery And Equipment	38.51
Intangible Assets; Land; Constructions And Construction Services	11.70
Trade, lodging, F&B, transport, and utilities distribution services	90.86
Financial and related services; real estate services; and rental services	66.50
Business And Production Services	235.89
Community, Social And Personal Services	27.93
Final consumption by households in the rest of the world	-
Total	976.85

1.13 Tourism exports of goods and services (in AFL million)

Commodities	2013
Agriculture, Forestry And Fishery Products	-
Ores And Minerals; Electricity, Gas And Water	-
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	513.74
Other Transportable Goods, Except Metal Products, Machinery	191.73
Metal Products; Machinery And Equipment	100.11
Intangible Assets; Land; Constructions And Construction Services	-
Trade, lodging, F&B, transport, and utilities distribution services	1,393.30
Financial and related services; real estate services; and rental services	307.40
Business And Production Services	1.28
Community, Social And Personal Services	253.33
Final consumption by households in the rest of the world	-
Total	2,760.89

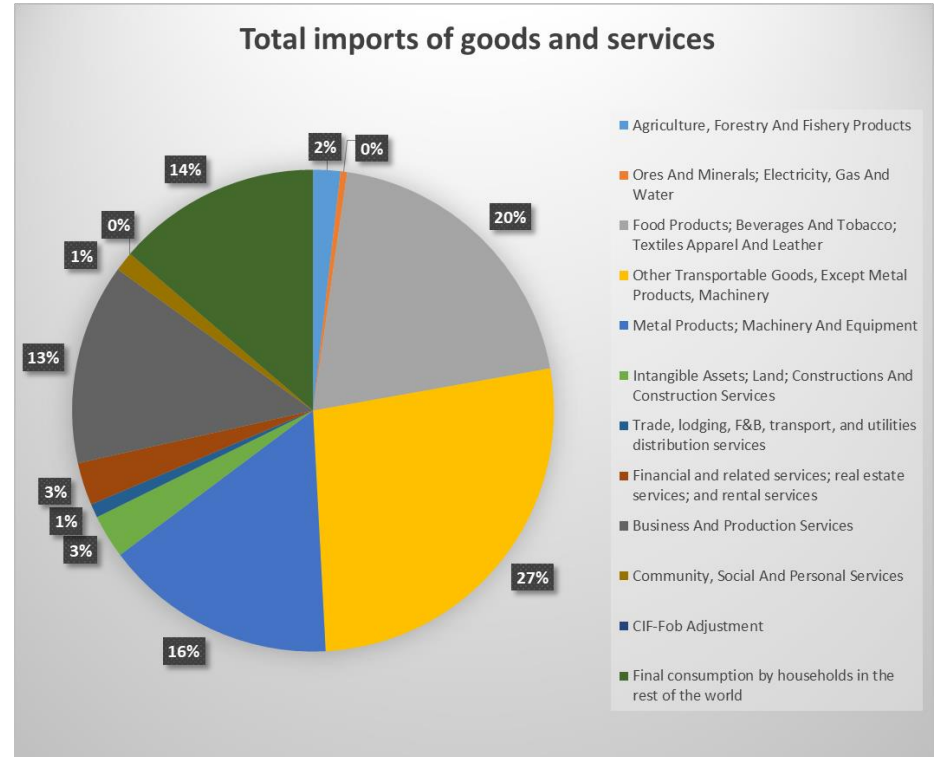
1.14 Total exports of goods and services (in AFL million)

Commodities	2013
Agriculture, Forestry And Fishery Products	0.50
Ores And Minerals; Electricity, Gas And Water	-
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	740.80
Other Transportable Goods, Except Metal Products, Machinery	469.63
Metal Products; Machinery And Equipment	138.62
Intangible Assets; Land; Constructions And Construction Services	11.70
Trade, lodging, F&B, transport, and utilities distribution services	1,484.16
Financial and related services; real estate services; and rental services	373.90
Business And Production Services	237.17
Community, Social And Personal Services	281.26
Final consumption by households in the rest of the world	-
Total	3,737.74



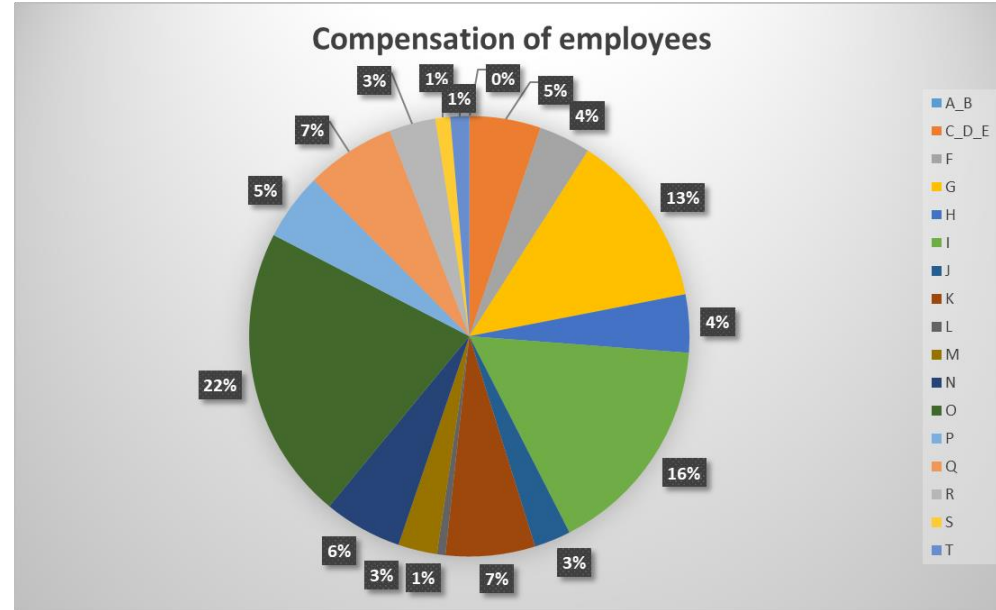
1.15 Total imports of goods and services (in AFL million)

Commodities	2013
Agriculture, Forestry And Fishery Products	76.35
Ores And Minerals; Electricity, Gas And Water	18.37
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	829.99
Other Transportable Goods, Except Metal Products, Machinery	1,124.00
Metal Products; Machinery And Equipment	650.78
Intangible Assets; Land; Constructions And Construction Services	122.08
Trade, lodging, F&B, transport, and utilities distribution services	38.51
Financial and related services; real estate services; and rental services	119.23
Business And Production Services	561.70
Community, Social And Personal Services	54.22
CIF-Fob Adjustment	-
Final consumption by households in the rest of the world	571.94
Total	4,167.17



1.16 Compensation of employees (in AFL million)

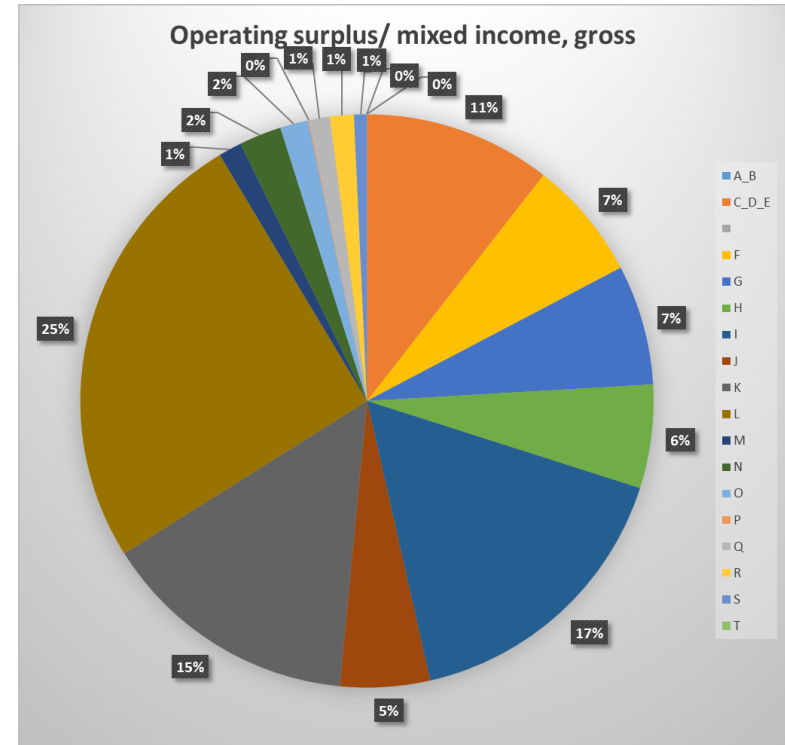
Industries	2013
Agriculture, forestry and fishing-Mining and quarrying (A_B)	0.82
Manufacturing; Electricity, gas, steam and air conditioning supply/Water supply; sewerage, waste management and remediation activities (C_D_E)	68.01
Construction (F)	109.72
Wholesale and retail trade; repair of motor vehicles and motorcycles (G)	370.40
Transportation and storage (H)	122.43
Accommodation and food service activities (I)	468.20
Information and communication (J)	77.09
Financial and insurance activities (K)	188.89
Real estate activities (L)	17.78
Professional, scientific and technical activities (M)	82.21
Administrative and support service activities (N)	165.51
Public administration and defence; compulsory social security (O)	621.52
Education (P)	141.89
Human health and social work activities (Q)	189.25
Arts, entertainment and recreation (R)	98.21
Other service activities (S)	31.13
Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use (T)	39.93
Total	2,874.84



Operating surplus/mixed income, gross

1.17 Operating surplus/ mixed income, gross (in AFL million)

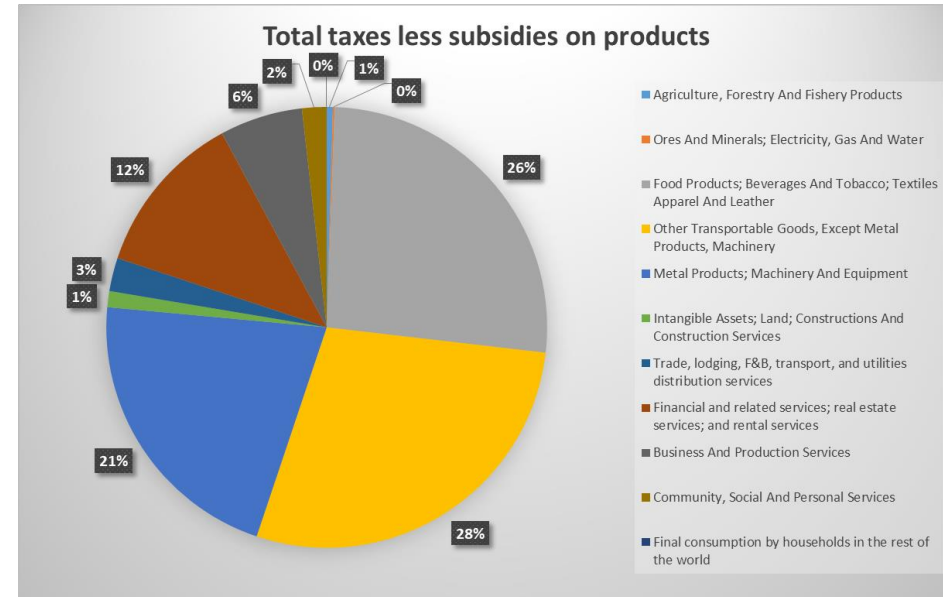
Industries	2013
Agriculture, forestry and fishing-Mining and quarrying (A_B)	0.05
Manufacturing; Electricity, gas, steam and air conditioning supply/Water supply; sewerage, waste management and remediation activities (C_D_E)	91.09
Construction (F)	103.13
Wholesale and retail trade; repair of motor vehicles and motorcycles (G)	103.61
Transportation and storage (H)	89.38
Accommodation and food service activities (I)	252.94
Information and communication (J)	77.36
Financial and insurance activities (K)	222.65
Real estate activities (L)	387.71
Professional, scientific and technical activities (M)	20.00
Administrative and support service activities (N)	36.55
Public administration and defence; compulsory social security (O)	24.33
Education (P)	0.82
Human health and social work activities (Q)	17.88
Arts, entertainment and recreation (R)	20.59
Other service activities (S)	11.14
Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use (T)	-
Total	1,529.68



Taxes less subsidies on products

1.18 Total taxes less subsidies on products (in AFL million)

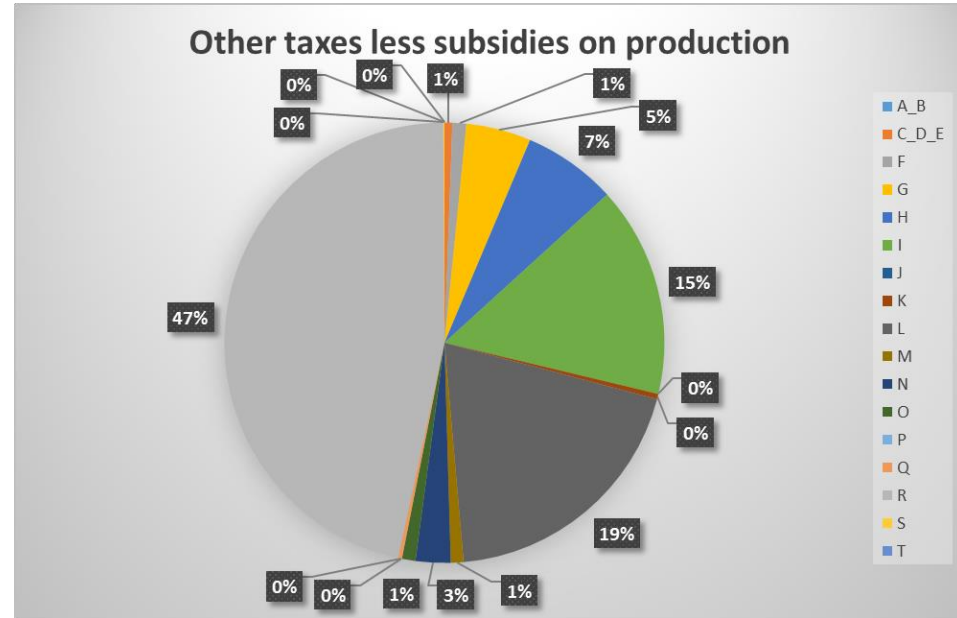
Commodities	2013
Agriculture, Forestry And Fishery Products	2.00
Ores And Minerals; Electricity, Gas And Water	0.57
Food Products; Beverages And Tobacco; Textiles Apparel And Leather	116.05
Other Transportable Goods, Except Metal Products, Machinery	125.14
Metal Products; Machinery And Equipment	94.18
Intangible Assets; Land; Constructions And Construction Services	5.21
Trade, lodging, F&B, transport, and utilities distribution services	10.78
Financial and related services; real estate services; and rental services	53.22
Business And Production Services	26.88
Community, Social And Personal Services	7.95
Final consumption by households in the rest of the world	-
Total	441.98



Other Taxes less subsidies on production

1.19 Other taxes less subsidies on production (in AFL million)

Industries	2013
Agriculture, forestry and fishing-Mining and quarrying (A_B)	-
Manufacturing; Electricity, gas, steam and air conditioning supply/Water supply; sewerage, waste management and remediation activities (C_D_E)	0.21
Construction (F)	0.37
Wholesale and retail trade; repair of motor vehicles and motorcycles (G)	1.73
Transportation and storage (H)	2.50
Accommodation and food service activities (I)	5.62
Information and communication (J)	-
Financial and insurance activities (K)	0.14
Real estate activities (L)	7.07
Professional, scientific and technical activities (M)	0.34
Administrative and support service activities (N)	0.93
Public administration and defence; compulsory social security (O)	0.36
Education (P)	-
Human health and social work activities (Q)	0.10
Arts, entertainment and recreation (R)	16.89
Other service activities (S)	0.03
Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use (T)	-
Total	36.35



Supply table



1.20 Supply table 2013 (in AFL million)

	Output of industries																									
	Agriculture, forestry and fishing-Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning supply; Water supply; sewerage, waste management and remediation activities	Construction	Wholesale and retail trade; repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence; compulsory social security	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use	Total domestic supply	Imports of goods and services	C.i.f./f.o.b. adjustments on imports	Total supply at basic prices	Trade and transport margins	Taxes less subsidies on products	Total supply at purchasers' prices	
	1	2	3	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
<i>Commodities</i>																										
1	Agriculture, Forestry And Fishery Products	3.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.73	76.35	-	80.08	13.16	2.00	95.24	
2	Ores And Minerals; Electricity, Gas And Water	-	-	82103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82103	18.37	-	839.40	4.04	0.57	844.01	
3	Food Products; Beverages And Tobacco; Textiles Apparel And Leather	-	107.20	5.00	-	154	-	-	-	-	-	-	-	-	-	-	-	-	113.74	829.99	-	943.73	391.25	116.05	1451.03	
4	Other Transportable Goods, Except Metal Products, Machinery	-	77.45	-	-	18.84	-	17.03	-	-	-	-	-	-	-	-	-	-	113.32	1124.00	-	1237.32	397.15	125.14	1759.61	
5	Metal Products; Machinery And Equipment	-	16.35	-	-	20.97	-	-	-	-	-	-	-	-	-	-	-	-	37.32	650.78	-	688.10	206.59	94.18	988.87	
6	Intangible Assets; Land; Constructions And Construction Services	-	2.59	-	357.58	20.28	10.34	-	-	-	-	9.90	-	-	-	-	2.80	-	403.49	122.08	-	525.57	-	5.21	530.78	
7	Trade, lodging, F&B, transport, and utilities distribution services	-	145.68	5.20	-	86100	368.98	137.09	3.14	2.00	7.42	-	13.12	-	0.84	50.69	141	-	2776.57	38.51	(206.72)	2,608.36	(1012.19)	10.78	1606.95	
8	Financial and related services; real estate services; and rental services	-	0.19	-	160	35.13	17.07	226.43	-	639.52	588.42	5.35	103.56	3.67	-	168	0.57	0.05	1623.24	19.23	(36.91)	1705.56	-	53.22	1758.78	
9	Business And Production Services	-	4.05	5.31	102.40	20.56	0.30	0.40	211.04	15.82	1.01	165.11	197.25	70.27	-	0.05	0.01	2.17	795.75	56170	-	1357.45	-	26.88	1384.33	
10	Community, Social And Personal Services	-	-	32.78	22.09	165	0.23	5166	17.26	2.06	0.18	-	56.18	899.26	172.38	316.51	230.30	70.98	40.60	1914.12	54.22	1968.34	-	7.95	1976.29	
11	Trade and Transport Margins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Adjustments</i>																										
17	C.i.f./f.o.b. adjustment on imports	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	243.63	243.63	-	243.63	
18	Expenditures abroad	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57194	-	57194	-	-	57194	
19	Total	3.73	353.51	869.32	483.67	979.97	396.92	1595.58	248.47	659.40	597.03	170.46	380.01	973.20	172.38	319.08	281.57	77.41	40.60	8,602.31	4,167.17	-	12,769.48	(0.00)	44198	13,211.46

Use table



1.21 Use table 2013 (in AFL million)

	Intermediate consumption of industries																			Exports of goods and services	Final consumption expenditure	Gross capital formation	Total uses at purchasers' prices		
	Agriculture, forestry and fishing-Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning supply/Water supply; sewerage, waste management and remediation	Construction	Wholesale and retail trade; repair of motor vehicles and motorcycles	Transportation and storage	Accommodation and food service activities	Information and communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence; compulsory social security	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use	Total intermediate consumption	21	22	23	24		
	1	2	3	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
<i>Commodities</i>																									
1	Agriculture, Forestry And Fishery Products		-	-	-	-	-	42.64	-	-	-	-	-	-	-	-	-	-	42.64	0.50	52.10	-	95.24		
2	Ores And Minerals; Electricity, Gas And Water		0.42	3.25	370.17	10.83	25.73	13.76	20.78	7.95	20.75	2.72	5.81	3.46	26.37	3.73	9.51	21.10	3.79	-	650.13	-	184.68	9.20	844.01
3	Food Products; Beverages And Tobacco		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Textiles Apparel And Leather		-	63.94	0.05	0.22	2.21	0.16	140.63	124	0.05	0.07	0.01	157	191	-	6.63	54.85	1.13	-	274.67	740.80	360.05	75.51	1451.03
4	Other Transportable Goods, Except Metal Products, Machinery		0.07	2179	26192	23.25	22.47	49.91	84.56	0.59	1178	28.88	7.56	4188	2188	5.53	35.07	180	0.85	-	619.79	469.63	349.81	320.38	1759.61
5	Metal Products; Machinery And Equipment		-	169	0.35	77.75	10.67	14.69	26.37	5.50	0.88	4.58	3.00	0.95	30.61	0.36	13.63	0.53	0.11	-	191.67	138.62	247.48	411.10	988.87
6	Intangible Assets; Land; Constructions And Construction Services		0.15	161	0.02	125.03	13.13	1.12	15.00	0.56	0.44	17.74	101	9.78	16.76	2.14	1.50	1.14	1.25	-	208.38	11.70	23.95	286.75	530.78
7	Trade, lodging, F&B, transport, and utilities distribution services		-	17.34	14.19	2.76	30.76	19.95	39.08	10.61	7.42	0.20	2.88	9.05	8.70	0.26	2.35	2.86	2.23	-	170.64	1484.16	158.87	-	1813.67
8	Financial and related services; real estate services; and rental services		187	23.92	2160	16.65	233.20	28.07	110.62	13.00	90.54	80.80	15.83	40.78	66.88	8.80	17.98	2173	13.65	0.67	806.59	373.90	615.20	-	1795.69
9	Business And Production Services		0.35	52.49	27.09	10.90	14144	39.73	193.87	32.00	110.35	23.91	24.76	52.55	137.68	6.86	16.71	37.50	9.94	-	918.13	237.17	217.38	1165	1384.33
10	Community, Social And Personal Services		-	0.45	183	0.28	3.78	0.66	4169	5.40	2.23	0.19	0.63	3.57	14.56	173	5.46	0.24	145	-	84.15	281.26	1562.09	48.79	1976.29
<i>Adjustments</i>																									
17	Expenditures abroad		-	7.72	19.74	2.78	20.84	14.56	53.58	17.17	3.28	25.38	6.42	13.43	1.64	0.26	3.01	4.13	0.71	-	194.65	-	377.29	-	571.94
18	Total uses at purchasers' prices		2.86	184.20	716.96	270.45	504.23	182.61	868.82	94.02	247.72	184.47	67.91	177.02	326.99	29.67	111.85	145.88	35.11	0.67	4161.44	3737.74	4148.90	1163.38	13211.46
19	Total output at basic prices		3.73	353.51	869.32	483.67	979.97	396.92	1595.58	248.47	659.40	597.03	170.46	380.01	973.20	172.38	319.08	281.57	77.41	40.60	8,602.31	-	-	-	-
20	Total gross value added at basic prices		0.87	159.31	152.36	213.22	475.74	214.31	726.76	154.45	411.68	412.56	102.55	202.99	646.21	142.71	207.23	135.69	42.30	39.93	4,440.87	-	-	-	-
21	Other taxes less other subsidies on production		-	0.21	0.06	0.37	1.73	2.50	5.62	-	0.14	7.07	0.34	0.93	0.36	-	0.10	16.89	0.03	-	-	-	-	-	36.35
22	Compensation of Employees		0.82	68.01	8185	109.72	370.40	122.43	468.20	77.09	188.89	17.78	82.21	165.51	621.52	141.89	189.25	98.21	31.13	39.93	2,874.84	-	-	-	-
23	Operating surplus/ mixed income, gross		0.05	91.09	70.45	103.13	103.61	89.38	252.94	77.36	222.65	387.71	20.00	36.55	24.33	0.82	17.88	20.59	11.14	-	-	-	-	-	1,529.68
24	Total gross value added at basic prices		0.87	159.31	152.36	213.22	475.74	214.31	726.76	154.45	411.68	412.56	102.55	202.99	646.21	142.71	207.23	135.69	42.30	39.93	4,440.87	-	-	-	-
25	Taxes less subsidies on products		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	441.98
26	Total gross value added at market prices		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,882.85



Methodology



Approaches to measure GDP:

- **The expenditure approach:** The sum of final expenditures in purchasers' prices minus imports yields GDP at market prices. The final expenditures are equal to final consumption expenditure, gross capital formation, and exports of goods and services.
- **The production approach:** In this case, GDP is equal to the sum of value added. This implies that GDP at market prices is equal to the total industry output at basic prices minus the total industry intermediate consumption in purchasers' prices plus taxes less subsidies on products.
- **The income approach:** GDP at market prices is equal to the sum of compensation of employees, taxes less subsidies on production and imports, gross mixed incomes, and operating surplus.

The Central Bureau of Statistics applied the expenditure and the production approaches to estimate GDP 2000 – 2018 (date of publishing: February 22, 2021 last edited). The Supply and Use Tables framework presented herein has been produced only for the year 2013 (see also page 6). The last SUT framework produced was for the year 2000.

GDP by expenditure method

The expenditure method implies that an estimate is made for the following GDP components:

- Final consumption expenditure
 - Household consumption expenditure
 - Government consumption expenditure
- Gross capital formation
 - Private gross capital formation
 - Public gross capital formation
 - Changes in inventories
- Exports of goods and services
 - Regular exports of goods
 - Free-zone exports of goods
 - Exports of services
 - Tourism expenditures
- Imports of goods and services
 - Regular imports of goods
 - Free-zone imports of goods
 - Imports of services

Final consumption expenditure

Final consumption expenditure consists of the expenditure, including imputed expenditure, incurred by resident households, resident non-profit institutions serving households and general government on consumption of goods and services.

Method of estimation

The final consumption expenditures are split up into household final consumption expenditure and government final consumption expenditure. The projection of the household final consumption expenditure is mainly based on the Income and Expenditure survey 2016. The Income and Expenditure survey 2016 classifies the expenditure categories according to a national product classification based on the COICOP (Classification of Individual Consumption by Purpose). By means of a bridge table the expenditures are linked to SNA concepts and classifications. The following issues have been taken into account while interpolating and extrapolating the data for the other years: population correction, inflation correction, income effect, high earners' effect and correction for commodities underrated in the Income and Expenditure survey 2016.

The final consumption expenditure incurred by non-profit institutions serving households is included in the household final consumption expenditure as presented in this publication.

The government final consumption expenditure consists of the purchases of goods and services bought for redistribution and the non-market output.

Sources of data

The Income and Expenditure survey 2016 is the main supplier of information regarding the household final consumption expenditure. The annual reports of the government and the Government Budget are the sources of information for the estimation of the government final consumption expenditure. The annual reports of non-profit institutions serving households are the sources of information for the estimation of the final consumption expenditure incurred by non-profit institutions serving households.

Gross capital formation

Gross capital formation is measured by the total value of the gross fixed capital formation, changes in inventories and acquisitions less disposals of valuables. Gross fixed capital formation is equal to the total value of producer's acquisitions less disposals of fixed assets plus certain additions to the value of non-produced assets realized by the productive activity of institutional units.

Method of estimation

The investment schedules in the annual reports of the government and the Government Budget are analyzed and linked to SNA concepts and classifications in order to estimate the public gross fixed capital formation. The computation of private gross fixed capital formation in machinery and equipment and the construction materials are based on the foreign trade statistics as the majority of machinery and equipment and construction materials are imported.

Sources of data

The annual reports of the government and the Government Budget are used to calculate the public gross fixed capital formation. The estimation of the private gross fixed capital formation is based on the foreign trade statistics.



Methodology



Exports of goods and services

Exports of goods and services consist of purchases, barter, or receipts of gifts or grants, of goods and services by non-residents from residents.

Method of estimation

Data on exports of goods are based on the Foreign Trade Statistics (FTS) that are based on the registration of all documents by the customs department. The goods are reclassified in accordance with the provisional CPC by means of a bridge table. Adjustments are made for commodities that are not included in the FTS: parcel post, mineral products, repair on goods, and goods used by the Dutch marines.

Figures on services (with the exception of tourism expenditures) are obtained from the balance of payments compiled by the Central Bank of Aruba. The Central Bureau of Statistics estimates the refining fee.

The tourism expenditures on goods and services are based on the tourism expenditure survey, conducted by the Central Bureau of Statistics.

Sources of data

Foreign Trade Statistics, based on information from the customs department, are the supplier of data on exports of goods. The balance of payments compiled by the Central Bank of Aruba is the source of information for the exports of services (with the exception of tourism expenditures). The tourism expenditures on goods and services are based on the tourism expenditure survey, conducted by the Central Bureau of Statistics.

Imports of goods and services

Imports of goods and services consist of purchases, barter, or receipts of gifts or grants, of goods and services by residents from non-residents.

Method of estimation

Data on imports of goods come from the Foreign Trade Statistics (FTS) that are based on the registration of all documents by the customs department. The goods are reclassified in accordance with the provisional CPC by means of a bridge table. Adjustments are made for commodities that are not included in the FTS: parcel post, mineral products, repair on goods and goods used by Aruban offices abroad.

Figures on services are obtained from the balance of payments compiled by the Central Bank of Aruba. Adjustments are incorporated for Aruban offices abroad, for construction services and for direct purchases abroad by residents.

Sources of data

Foreign Trade Statistics, based on information from the customs department, are the data supplier of imports of goods. The balance of payments compiled by the Central Bank of Aruba is the source of information for the imports of services.



Methodology



GDP by production approach

Besides the expenditure approach, the production method is used to estimate GDP as the sum of the gross value added for all industries and taxes less subsidies on products.

The industries are Agriculture, forestry and fishing - Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning supply/Water supply; sewerage, waste management and remediation activities; Construction; Wholesale and retail trade; repair of motor vehicles and motorcycles; Transportation and storage; Accommodation and food service activities; Information and communication; Financial and insurance activities; Real estate activities; Professional, scientific and technical activities; Administrative and support service activities; Public administration and defense; compulsory social security; Education; Human health and social work activities; Arts, entertainment and recreation; Other service activities.

Method of estimation

The gross value added is the value of output less the value of intermediate consumption by industries. The gross value added for most industries hard data are used and for some industries the estimate are analyzed by applying custom made (modelling) approaches.

Sources of data

The 2014 Economic Census; the Social Security Bank; the Tax Department; the Fiscal Enterprise Statistics; the Tourism Expenditure data; the Foreign Trade Statistics; the Financial sector; the 2016 Household Income and Expenditure Survey (HIES); the annual reports of government and the Government budget and the Central Bank of Aruba.

Supply and Use Tables

The Supply and Use Tables framework is ideal for estimating Gross Domestic Product (GDP), as it combines the three approaches of measuring GDP.

Supply and Use Tables are tools used to check the consistency of statistics on flows of goods and services on the principle that the total supply of each product is equal to its total uses.

The supply table shows the kind of products and services produced by domestic industries and supplied by the rest of the world where as the use table illustrates the uses of goods and services of industries and the value added generated by them.

This publication describes only in a quantitative sense the ‘Supply and Use Table, 2013’.