

**GDP: Preliminary Estimate for 2019Q4,
Outlook for 2020,**

February 12, 2020 Taiwan's real gross domestic product (GDP) grew by 3.31% from the same quarter of the previous year in 2019Q4, according to the latest preliminary estimate. For the whole 2019, the economic growth rate was 2.71%. Meanwhile, the real GDP is projected to grow by 2.37% in 2020.

Preliminary Estimate of Real GDP in 2019Q4 and 2019

The real GDP increased by 7.76% on a quarter-on-quarter, seasonally-adjusted annualized basis (saar), or by 3.31% on a year-on-year basis (yoy) in 2019Q4, 0.07 percentage point lower than the advance estimate.

Meanwhile, the economic growth rate of 2019Q3 has been revised to 3.03% (formerly 2.99%). For the whole 2019, real GDP grew by 2.71%.

On the demand side, real private final consumption expanded by 2.63% (yoy) in 2019Q4, higher than the 2.52% growth in the previous quarter, mainly reflecting the sales growth of cars and electric scooters and the increase in financial services. However, the higher base of 9-in-1 elections spending in 2018Q4 partly offset the growth.

Real gross capital formation expanded by 10.50% (yoy), turning from the 0.85% decline in the previous quarter, mainly due to the robust increase in machinery and equipment investment.

In addition, real exports of goods and services grew by 2.64% (yoy), higher than the 0.03% decline in the previous quarter, mainly driven by the foreign strong demand for information, communication and audio-video, as well as parts of electronic products. Imports also increased by 4.44% (yoy).

On the production side, the manufacturing sector grew by 1.74% (yoy) in 2019Q4, following the 1.78% increase in the previous quarter, mainly due to the output expansion of semiconductor and computers, electronic & optical products.

The wholesale & retail trade sector and the financial & insurance sector increased by 4.95% and 5.48% (both yoy) respectively, after the expansion of 3.00% and 6.04% growth in the previous quarter.

Outlook for 2020

The export growth in 2020 will be supported by the emerging demand for new

technological applications, such as 5G, internet of things (IOT) and artificial intelligence as well as the competitive dominance in semiconductor manufacturing industry, while dampened by the coronavirus disease 2019 (COVID-19) outbreak. It is expected for real exports of goods and services to grow by 1.73%.

Real private consumption will grow by 1.58%. Though the COVID-19 outbreak might lower the consumer confidence, it is expected that the impact could be partly offset by the emerging e-commerce and food delivery services, and will be eased over time.

Real private fixed capital formation is anticipated to grow by 3.10%, due to the continuing investment of semiconductor industry, 5G infrastructure, and the reshoring Taiwan's overseas companies.

Combining the above components as well as the public sector, Taiwan's real GDP is projected to grow by 2.37% in 2020, downward revised by 0.35 percentage point from the previous forecast.

Consumer price Index (CPI) will gently increase 0.62%, downward revised by 0.09 percentage point, mainly reflecting the cost reduction resulted from the decline in prices of raw material.

For further information:

Statistics Database:

<http://statdb.dgbas.gov.tw/pxweb/dialog/statfile1L.asp>

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Gross Domestic Products of 2020Q1 (Advance Estimate)

Table 1-1 Gross Domestic Product and Economic Growth Rate

Period	Nominal GDP (At Current Prices)		Real GDP (Chained (2016) dollars)		Economic Growth Rate (%)		
	Original Series (Million NT\$)	Seasonally Adjusted (Million NT\$)	Original Series (Million NT\$)	Seasonally Adjusted (Million NT\$)	yoy	saqr	saar
2012	14,677,765	—	15,779,909	—	2.22	—	—
2013	15,270,728	—	16,171,821	—	2.48	—	—
2014	16,258,047	—	16,935,007	—	4.72	—	—
2015	17,055,080	—	17,183,235	—	1.47	—	—
2016	17,555,268	—	17,555,268	—	2.17	—	—
2017	17,983,347	—	18,136,589	—	3.31	—	—
I	4,405,269	4,481,413	4,298,922	4,479,818	3.24	1.22	4.98
II	4,306,257	4,415,541	4,427,293	4,507,549	2.64	0.62	2.50
III	4,556,280	4,505,834	4,617,188	4,561,863	3.61	1.20	4.91
IV	4,715,541	4,580,559	4,793,186	4,587,359	3.71	0.56	2.25
2018	18,342,891	—	18,634,482	—	2.75	—	—
I	4,491,283	4,572,688	4,437,812	4,635,853	3.23	1.06	4.30
II	4,472,511	4,581,027	4,578,036	4,647,893	3.40	0.26	1.04
III	4,592,725	4,540,725	4,731,031	4,656,463	2.47	0.18	0.74
IV	4,786,372	4,648,451	4,887,603	4,694,273	1.97	0.81	3.29
2019(p)	18,898,571	—	19,140,230	—	2.71	—	—
I	4,571,403	4,670,040	4,519,676	4,725,768	1.84	0.67	2.71
II	4,604,248	4,700,604	4,697,096	4,757,562	2.60	0.67	2.72
III(r)	4,777,245	4,716,188	4,874,252	4,783,324	3.03	0.54	2.18
IV(p)	4,945,675	4,811,739	5,049,206	4,873,576	3.31	1.89	7.76
2020(f)	19,576,645	—	19,594,208	—	2.37	—	—
I (f)	4,697,120	4,794,657	4,601,088	4,813,961	1.80	-1.22	-4.80
II (f)	4,787,219	4,884,245	4,814,519	4,871,878	2.50	1.20	4.90
III (f)	4,961,853	4,908,897	5,008,297	4,913,542	2.75	0.86	3.46
IV (f)	5,130,453	4,988,846	5,170,304	4,994,827	2.40	1.65	6.78

Explanation: 1. (p) indicates preliminary version, (f) indicates forecast, (r) indicates revised version. These marks mean the same in all tables.

2. The sum of the decomposed items might not be equal to the total due to the rounding of decimals.

3. yoy (year on year) means the growth rates to the correspondent quarter of previous year, saqr (seasonally adjusted quarterly growth rate) means the growth rate of seasonally adjusted value compared to the previous quarter, saar (seasonally adjusted annualized rate) means the annualized growth rate of seasonally adjusted value compared to the previous quarter ; $saar=(1+saqr)^4-1$.

Table 1-2 GDP、GNI and NI

Period	GDP					GNI		National Income			
	At Current Prices			Chained (2016) dollars		(At Current Prices)		At Current Prices		Chained (2016) dollars	
	Amount (Million NT\$)	Annual Rate of Increase (%)	Amount (Million US\$)	Amount (Million NT\$)	Annual Rate of Increase (%)	Amount (Million NT\$)	Amount (Million US\$)	Amount (Million NT\$)	Amount (Million US\$)	Amount (Million NT\$)	Annual Rate of Increase (%)
2012	14,677,765	2.91	495,536	15,779,909	2.22	15,109,951	510,127	12,496,672	421,900	12,667,183	2.65
2013	15,270,728	4.04	512,957	16,171,821	2.48	15,673,232	526,477	13,194,356	443,210	13,193,923	4.16
2014	16,258,047	6.47	535,332	16,935,007	4.72	16,697,152	549,791	14,212,193	467,968	14,127,703	7.08
2015	17,055,080	4.90	534,474	17,183,235	1.47	17,494,741	548,253	14,860,645	465,705	14,950,537	5.82
2016	17,555,268	2.93	543,002	17,555,268	2.17	18,006,409	556,957	15,305,453	473,413	15,305,453	2.37
I	4,318,253	2.43	129,366	4,163,911	-0.09	4,516,089	135,328	3,826,530	114,657	3,746,688	1.53
II	4,258,596	2.43	131,157	4,313,374	1.69	4,387,091	135,150	3,709,202	114,258	3,745,794	2.27
III	4,393,874	2.50	138,351	4,456,444	3.00	4,414,318	139,031	3,761,737	118,470	3,783,998	2.28
IV	4,584,545	4.32	144,128	4,621,539	3.92	4,688,911	147,448	4,007,984	126,028	4,028,973	3.35
2017	17,983,347	2.44	590,780	18,136,589	3.31	18,430,708	605,477	15,733,800	516,879	15,765,865	3.01
I	4,405,269	2.02	141,610	4,298,922	3.24	4,587,277	147,472	3,919,971	126,020	3,843,253	2.58
II	4,306,257	1.12	142,223	4,427,293	2.64	4,409,993	145,661	3,746,395	123,742	3,790,417	1.19
III	4,556,280	3.70	150,431	4,617,188	3.61	4,505,508	148,766	3,848,490	127,073	3,884,770	2.66
IV	4,715,541	2.86	156,516	4,793,186	3.71	4,927,930	163,578	4,218,944	140,044	4,247,425	5.42
2018	18,342,891	2.00	608,186	18,634,482	2.75	18,757,692	621,939	15,992,789	530,265	15,885,444	0.76
I	4,491,283	1.95	153,187	4,437,812	3.23	4,719,182	160,918	3,999,064	136,381	3,964,464	3.15
II	4,472,511	3.86	150,190	4,578,036	3.40	4,553,081	152,857	3,854,855	129,432	3,834,644	1.17
III	4,592,725	0.80	149,703	4,731,031	2.47	4,543,901	148,073	3,904,010	127,237	3,870,296	-0.37
IV	4,786,372	1.50	155,106	4,887,603	1.97	4,941,528	160,091	4,234,860	137,215	4,216,040	-0.74
2019(p)	18,898,571	3.03	611,255	19,140,230	2.71	19,349,278	625,887	16,209,945	524,360	16,120,252	1.48
I	4,571,403	1.78	148,278	4,519,676	1.84	4,764,578	154,544	3,964,005	128,576	3,904,212	-1.52
II	4,604,248	2.95	147,809	4,697,096	2.60	4,754,438	152,630	3,959,388	127,107	3,929,916	2.48
III(r)	4,777,245	4.02	153,068	4,874,252	3.03	4,740,600	151,894	3,977,997	127,459	3,972,364	2.64
IV(p)	4,945,675	3.33	162,100	5,049,206	3.31	5,089,662	166,819	4,308,555	141,218	4,313,760	2.32

Explanation:1. GNI=GDP+Net Factor Income from the Rest of the World.

2. NI (at current prices)=GNI-Consumption of Fixed Capital-Statistical Discrepancy.

Table 2 Changes in Prices

Unit: %

Period	Deflators						CPI	WPI
	GDP	Private Final Consumption	Government Final Consumption	Gross Fixed Capital Formation	Exports	Imports		
2012	0.68	1.15	1.82	0.70	-0.96	-0.54	1.93	-1.16
2013	1.52	0.26	0.26	-2.28	-1.29	-3.72	0.79	-2.43
2014	1.66	0.65	0.70	1.21	-0.04	-1.68	1.20	-0.56
2015	3.39	-0.70	0.24	-1.72	-3.55	-10.09	-0.30	-8.85
2016	0.76	0.69	1.29	0.47	-1.96	-2.50	1.39	-2.98
2017	-0.84	-0.02	0.59	-0.05	-1.98	-0.77	0.62	0.90
I	-1.20	0.02	1.09	0.34	-1.25	0.66	0.79	2.31
II	-1.48	-0.34	0.15	-1.30	-2.52	-1.68	0.57	-0.69
III	0.08	-0.08	1.12	-0.20	-1.73	-1.61	0.74	0.81
IV	-0.83	0.32	0.64	0.81	-2.31	-0.43	0.41	1.17
2018	-0.73	0.98	1.40	2.12	0.34	3.62	1.35	3.63
I	-1.24	0.91	-1.89	1.39	-3.18	-0.70	1.55	-0.12
II	0.43	1.36	5.63	2.45	0.70	3.93	1.72	4.90
III	-1.62	1.45	-2.82	2.49	2.56	7.10	1.67	6.70
IV	-0.46	0.23	4.34	2.14	0.94	3.91	0.46	3.14
2019(p)	0.30	0.56	0.68	1.69	-2.08	-1.29	0.56	-2.27
I	-0.06	0.35	1.35	2.26	-0.32	1.38	0.33	0.70
II	0.34	0.70	0.03	2.28	-0.82	0.53	0.81	-0.58
III(r)	0.96	0.55	2.38	1.87	-2.68	-2.58	0.41	-4.01
IV(p)	0.02	0.64	-0.20	0.61	-4.18	-4.00	0.70	-5.03
2020(f)	1.18	0.55	1.18	1.49	-1.53	-2.57	0.62	-2.92
I (f)	0.94	0.68	0.92	1.18	-2.70	-3.34	0.70	-4.19
II (f)	1.44	0.27	1.05	1.29	-2.77	-4.98	0.33	-4.55
III (f)	1.08	0.49	1.05	1.43	-1.96	-2.94	0.68	-2.81
IV (f)	1.31	0.76	1.54	1.98	1.13	0.86	0.78	-0.03

Table 3-1 Expenditures on Gross Domestic Product
At Current Prices

Unit: Million NT\$

Period	GDP	Domestic Demand								Demand of Rest of The World		
		Subtotal	Private Final Consumption	Government Final Consumption	Gross Fixed Capital Formation			Changes in Inventories	Subtotal	Exports of Goods and Services	Less: Imports of Goods and Services	
					Private Enterprises	Public Enterprises	Government					
2012	14,677,765	13,630,790	8,015,850	2,284,488	3,313,753	2,592,951	202,351	518,451	16,699	1,046,975	11,634,675	10,587,700
2013	15,270,728	13,943,063	8,242,378	2,259,221	3,465,988	2,763,424	200,214	502,350	-24,524	1,327,665	11,854,435	10,526,770
2014	16,258,047	14,632,191	8,602,842	2,360,910	3,630,558	2,951,986	211,289	467,283	37,881	1,625,856	12,559,478	10,933,622
2015	17,055,080	14,857,471	8,787,564	2,363,711	3,663,758	3,029,456	191,487	442,815	42,438	2,197,609	12,157,096	9,959,487
2016	17,555,268	15,361,883	9,082,075	2,482,242	3,807,567	3,172,823	186,630	448,114	-10,001	2,193,385	11,808,128	9,614,743
2017	17,983,347	15,583,517	9,325,676	2,486,552	3,795,869	3,132,210	184,300	479,359	-24,580	2,399,830	12,095,508	9,695,678
I	4,405,269	3,893,469	2,292,732	650,746	940,681	818,526	31,948	90,207	9,310	511,800	2,850,000	2,338,200
II	4,306,257	3,809,502	2,279,069	575,428	917,404	764,418	42,460	110,526	37,601	496,755	2,865,609	2,368,854
III	4,556,280	3,904,810	2,351,852	619,087	977,281	820,715	39,165	117,401	-43,410	651,470	3,111,733	2,460,263
IV	4,715,541	3,975,736	2,402,023	641,291	960,503	728,551	70,727	161,225	-28,081	739,805	3,268,166	2,528,361
2018	18,342,891	16,307,542	9,609,198	2,623,026	3,990,545	3,270,747	213,745	506,053	84,773	2,035,349	12,219,490	10,184,141
I	4,491,283	4,034,746	2,380,319	683,557	958,162	833,995	31,197	92,970	12,708	456,537	2,812,436	2,355,899
II	4,472,511	3,985,705	2,374,275	646,699	944,946	787,326	45,709	111,911	19,785	486,806	2,995,659	2,508,853
III	4,592,725	4,099,004	2,415,928	594,610	1,064,010	891,147	48,719	124,144	24,456	493,721	3,200,648	2,706,927
IV	4,786,372	4,188,087	2,438,676	698,160	1,023,427	758,279	88,120	177,028	27,824	598,285	3,210,747	2,612,462
2019(p)	18,898,571	16,916,054	9,869,691	2,643,945	4,429,011	3,645,523	219,012	564,476	-26,593	1,982,517	12,113,839	10,131,322
I	4,571,403	4,156,004	2,430,401	671,528	1,043,948	911,315	33,254	99,379	10,127	415,399	2,828,418	2,413,019
II	4,604,248	4,120,896	2,429,601	630,191	1,077,096	896,938	51,720	128,438	-15,992	483,352	3,013,276	2,529,924
III (r)	4,777,245	4,232,448	2,490,595	631,722	1,124,177	944,629	44,933	134,615	-14,046	544,797	3,114,062	2,569,265
IV (p)	4,945,675	4,406,706	2,519,094	710,504	1,183,790	892,641	89,105	202,044	-6,682	538,969	3,158,083	2,619,114
2020(f)	19,576,645	17,472,795	10,080,820	2,732,438	4,679,353	3,813,313	260,728	605,312	-19,816	2,103,850	12,135,574	10,031,724
I (f)	4,697,120	4,267,508	2,465,280	696,567	1,096,130	952,986	36,862	106,282	9,531	429,612	2,804,205	2,374,593
II (f)	4,787,219	4,248,826	2,479,525	644,474	1,133,625	936,999	59,389	137,237	-8,798	538,393	2,966,937	2,428,544
III (f)	4,961,853	4,417,412	2,553,356	649,067	1,230,708	1,030,346	55,977	144,385	-15,719	544,441	3,128,147	2,583,706
IV (f)	5,130,453	4,539,049	2,582,659	742,330	1,218,890	892,982	108,500	217,408	-4,830	591,404	3,236,285	2,644,881

Table 3-2 Expenditures on Gross Domestic Product
Composition at Current Prices

Unit:%

Period	GDP	Domestic Demand								Demand of Rest of The World		
		Subtotal	Private Final Consumption	Government Final Consumption	Gross Fixed Capital Formation			Changes in Inventories	Subtotal	Exports of Goods and Services	Less: Imports of Goods and Services	
					Private Enterprises	Public Enterprises	Government					
2012	100.00	92.87	54.61	15.56	22.58	17.67	1.38	3.53	0.11	7.13	79.27	72.13
2013	100.00	91.31	53.98	14.79	22.70	18.10	1.31	3.29	-0.16	8.69	77.63	68.93
2014	100.00	90.00	52.91	14.52	22.33	18.16	1.30	2.87	0.23	10.00	77.25	67.25
2015	100.00	87.11	51.52	13.86	21.48	17.76	1.12	2.60	0.25	12.89	71.28	58.40
2016	100.00	87.51	51.73	14.14	21.69	18.07	1.06	2.55	-0.06	12.49	67.26	54.77
2017	100.00	86.66	51.86	13.83	21.11	17.42	1.02	2.67	-0.14	13.34	67.26	53.91
I	100.00	88.38	52.05	14.77	21.35	18.58	0.73	2.05	0.21	11.62	64.70	53.08
II	100.00	88.46	52.92	13.36	21.30	17.75	0.99	2.57	0.87	11.54	66.55	55.01
III	100.00	85.70	51.62	13.59	21.45	18.01	0.86	2.58	-0.95	14.30	68.30	54.00
IV	100.00	84.31	50.94	13.60	20.37	15.45	1.50	3.42	-0.60	15.69	69.31	53.62
2018	100.00	88.90	52.39	14.30	21.76	17.83	1.17	2.76	0.46	11.10	66.62	55.52
I	100.00	89.84	53.00	15.22	21.33	18.57	0.69	2.07	0.28	10.16	62.62	52.45
II	100.00	89.12	53.09	14.46	21.13	17.60	1.02	2.50	0.44	10.88	66.98	56.09
III	100.00	89.25	52.60	12.95	23.17	19.40	1.06	2.70	0.53	10.75	69.69	58.94
IV	100.00	87.50	50.95	14.59	21.38	15.84	1.84	3.70	0.58	12.50	67.08	54.58
2019(p)	100.00	89.51	52.22	13.99	23.44	19.29	1.16	2.99	-0.14	10.49	64.10	53.61
I	100.00	90.91	53.17	14.69	22.84	19.94	0.73	2.17	0.22	9.09	61.87	52.79
II	100.00	89.50	52.77	13.69	23.39	19.48	1.12	2.79	-0.35	10.50	65.45	54.95
III(r)	100.00	88.60	52.13	13.22	23.53	19.77	0.94	2.82	-0.29	11.40	65.19	53.78
IV(p)	100.00	89.10	50.94	14.37	23.94	18.05	1.80	4.09	-0.14	10.90	63.86	52.96
2020(f)	100.00	89.25	51.49	13.96	23.90	19.48	1.33	3.09	-0.10	10.75	61.99	51.24
I (f)	100.00	90.85	52.48	14.83	23.34	20.29	0.78	2.26	0.20	9.15	59.70	50.55
II (f)	100.00	88.75	51.79	13.46	23.68	19.57	1.24	2.87	-0.18	11.25	61.98	50.73
III (f)	100.00	89.03	51.46	13.08	24.80	20.77	1.13	2.91	-0.32	10.97	63.04	52.07
IV (f)	100.00	88.47	50.34	14.47	23.76	17.41	2.11	4.24	-0.09	11.53	63.08	51.55

Table 3-3 Expenditures on Gross Domestic Product
Growth Rates in Chained Volume Indexes (yoy)

Unit:%

Period	Economic Growth Rate	Domestic Demand							Demand of Rest of The World			
		Subtotal	Private Final Consumption	Government Final Consumption	Gross Fixed Capital Formation			Changes in Inventories	Subtotal	Exports of Goods and Services	Less: Imports of Goods and Services	
					Private Enterprises	Public Enterprises	Government					
2012	2.22	1.07	1.92	2.36	-1.28	1.38	-7.97	-10.47	--	--	1.90	0.42
2013	2.48	2.47	2.55	-1.36	7.03	9.16	3.81	-2.27	--	--	3.21	3.26
2014	4.72	4.33	3.70	3.78	3.50	5.48	5.20	-8.33	--	--	5.99	5.63
2015	1.47	2.30	2.86	-0.13	2.68	4.28	-7.07	-2.99	--	--	0.36	1.32
2016	2.17	2.58	2.64	3.68	3.44	4.08	-3.89	1.75	--	--	-0.93	-0.99
2017	3.31	1.34	2.70	-0.41	-0.26	-1.16	0.51	5.82	--	--	4.50	1.63
I	3.24	2.63	2.45	-4.11	4.49	3.44	18.79	8.74	--	--	4.32	3.59
II	2.64	2.61	2.03	1.64	0.75	0.22	-8.15	8.71	--	--	2.24	2.09
III	3.61	-0.10	2.77	1.70	-2.38	-3.59	-0.77	6.30	--	--	7.66	2.64
IV	3.71	0.36	3.52	-1.02	-3.25	-4.50	0.06	2.12	--	--	3.73	-1.44
2018	2.75	3.49	2.04	4.03	2.95	2.25	14.42	3.10	--	--	0.69	1.37
I	3.23	3.06	2.88	7.07	0.47	0.49	-3.01	1.51	--	--	1.92	1.47
II	3.40	2.15	2.79	6.40	0.54	0.52	5.27	-1.16	--	--	3.81	1.90
III	2.47	4.41	1.25	-1.16	6.23	5.88	23.23	3.00	--	--	0.29	2.72
IV	1.97	4.27	1.30	4.33	4.32	1.91	22.93	7.00	--	--	-2.67	-0.56
2019(p)	2.71	2.62	2.13	0.11	9.13	9.61	1.20	9.38	--	--	1.24	0.79
I	1.84	2.02	1.75	-3.06	6.55	6.88	4.62	4.29	--	--	0.88	1.02
II	2.60	2.04	1.61	-2.58	11.44	11.44	11.08	11.59	--	--	1.42	0.31
III(r)	3.03	1.83	2.52	3.77	3.71	4.06	-9.57	6.25	--	--	-0.03	-2.57
IV(p)	3.31	4.50	2.63	1.97	14.97	17.13	0.79	12.74	--	--	2.64	4.44
2020(f)	2.37	2.38	1.58	2.15	4.10	3.10	17.65	5.31	--	--	1.73	1.62
I (f)	1.80	1.68	0.75	2.79	3.78	3.34	10.40	5.54	--	--	1.90	1.81
II (f)	2.50	2.51	1.78	1.19	3.91	3.15	13.77	5.31	--	--	1.26	1.02
III (f)	2.75	3.51	2.02	1.68	7.93	7.57	23.30	5.37	--	--	2.46	3.61
IV (f)	2.40	1.82	1.75	2.89	0.97	-1.84	19.74	5.15	--	--	1.33	0.12

Table 3-4 Expenditures on Gross Domestic Product
Contributions to Economic Growth Rate (yoy)

Unit: percentage points

Period	Economic Growth Rate	Domestic Demand								Demand of Rest of The World		
		Subtotal	Private Final Consumption	Government Final Consumption	Gross Fixed Capital Formation			Changes in Inventories	Subtotal	Exports of Goods and Services	Less: Imports of Goods and Services	
					Private Enterprises	Public Enterprises	Government					
2012	2.22	1.00	1.05	0.36	-0.30	0.24	-0.12	-0.42	-0.11	1.22	1.53	0.31
2013	2.48	2.29	1.40	-0.21	1.59	1.61	0.05	-0.08	-0.48	0.19	2.55	2.35
2014	4.72	3.96	2.00	0.56	0.79	1.00	0.07	-0.27	0.60	0.76	4.65	3.88
2015	1.47	2.07	1.51	-0.02	0.60	0.78	-0.09	-0.09	-0.02	-0.61	0.28	0.89
2016	2.17	2.25	1.36	0.51	0.74	0.74	-0.04	0.05	-0.36	-0.08	-0.66	-0.58
2017	3.31	1.17	1.40	-0.06	-0.06	-0.21	0.01	0.15	-0.11	2.14	3.03	0.89
I	3.24	2.33	1.33	-0.54	0.95	0.66	0.12	0.17	0.60	0.91	2.87	1.96
II	2.64	2.29	1.06	0.21	0.16	0.04	-0.09	0.21	0.86	0.35	1.51	1.16
III	3.61	-0.09	1.42	0.20	-0.54	-0.69	-0.01	0.16	-1.18	3.70	5.14	1.45
IV	3.71	0.31	1.75	-0.12	-0.70	-0.77	0.00	0.06	-0.61	3.40	2.54	-0.86
2018	2.75	3.02	1.06	0.56	0.62	0.39	0.15	0.08	0.78	-0.27	0.46	0.74
I	3.23	2.75	1.57	0.91	0.10	0.11	-0.02	0.02	0.16	0.48	1.28	0.80
II	3.40	1.92	1.46	0.89	0.12	0.10	0.05	-0.03	-0.54	1.49	2.50	1.02
III	2.47	3.77	0.64	-0.16	1.34	1.06	0.20	0.08	1.95	-1.30	0.18	1.49
IV	1.97	3.56	0.63	0.62	0.87	0.28	0.34	0.25	1.43	-1.59	-1.89	-0.30
2019(p)	2.71	2.33	1.12	0.02	1.99	1.71	0.01	0.26	-0.80	0.39	0.83	0.44
I	1.84	1.86	1.00	-0.43	1.41	1.32	0.02	0.07	-0.12	-0.01	0.56	0.57
II	2.60	1.82	0.86	-0.37	2.41	2.02	0.11	0.29	-1.09	0.78	0.93	0.15
III(r)	3.03	1.63	1.29	0.51	0.88	0.82	-0.10	0.16	-1.05	1.40	0.00	-1.40
IV(p)	3.31	3.90	1.30	0.31	3.19	2.66	0.03	0.50	-0.89	-0.60	1.78	2.38
2020(f)	2.37	2.13	0.82	0.30	0.96	0.60	0.20	0.16	0.05	0.24	1.11	0.87
I (f)	1.80	1.55	0.42	0.37	0.86	0.68	0.07	0.11	-0.09	0.25	1.22	0.97
II (f)	2.50	2.24	0.93	0.17	0.91	0.62	0.15	0.14	0.23	0.26	0.81	0.55
III (f)	2.75	3.10	1.04	0.24	1.85	1.49	0.21	0.15	-0.02	-0.35	1.58	1.92
IV (f)	2.40	1.61	0.88	0.43	0.24	-0.35	0.36	0.23	0.07	0.78	0.84	0.06

Explanation: Contributions of component X on s season at t year= $\{P_{X_{t-1}}/P_{GDP_{t-1}} \times (rX_{t,s} - rX_{t-1,s})/rGDP_{t-1,s} + (rX_{t-1,s}/rGDP_{t-1,s} - rX_{t-1}/rGDP_{t-1}) \times (P_{X_{t-1}}/P_{GDP_{t-1}} - P_{X_{t-2}}/P_{GDP_{t-2}})\} \times 100\%$,

where rX : Chained dollar of component X ; rGDP : real GDP(reference year = 2016) ; P_x : Deflators of component X ; P_{GDP} : Deflators of GDP.

Table 4-1 Gross Domestic Product by Kind of Activity
At Current Prices

Unit: Million NT\$

Period	GDP	Agriculture, Forestry, Fishing and Animal Husbandry	Industry					Services								Statistical Discrepancy	
			Mining and Quarrying	Manufacturing	Electricity and Gas Supply	Water Supply and Remediation Services	Construction	Wholesale and Retail Trade	Transportation and Storage	Information and Communication	Finance and Insurance	Real Estate and Ownership of Dwellings [1]	Public Administration and Defence : Compulsory Social Security	Others [2]			
2012	14,677,765	247,313	4,750,525	15,405	4,120,261	133,807	99,245	381,807	9,548,170	2,450,734	423,104	461,419	931,028	1,249,372	1,060,887	2,971,626	131,757
2013	15,270,728	264,418	5,147,629	14,267	4,445,009	199,987	95,333	393,033	9,851,750	2,560,534	429,057	474,026	970,475	1,296,970	1,044,892	3,075,796	6,931
2014	16,258,047	302,781	5,814,180	14,328	5,056,638	238,785	93,974	410,455	10,226,496	2,606,050	468,163	497,915	1,054,084	1,328,010	1,046,496	3,225,778	-85,410
2015	17,055,080	298,855	6,177,658	13,257	5,348,932	303,461	91,682	420,326	10,546,107	2,664,745	516,593	526,127	1,099,345	1,367,956	1,039,481	3,331,860	32,460
2016	17,555,268	327,502	6,472,113	10,818	5,655,706	296,428	98,007	411,154	10,755,653	2,678,007	511,241	549,074	1,124,827	1,399,263	1,050,448	3,442,793	0
I	4,318,253	82,084	1,511,483	2,759	1,307,216	69,915	20,989	110,604	2,719,792	652,665	134,443	135,689	269,246	337,608	309,253	880,888	4,894
II	4,258,596	85,187	1,565,678	2,783	1,361,417	72,293	25,659	103,526	2,598,739	638,087	114,540	133,304	301,723	347,213	248,057	815,815	8,992
III	4,393,874	66,993	1,707,102	2,383	1,487,645	92,061	27,019	97,994	2,640,675	641,282	127,331	137,572	284,139	335,966	254,335	860,050	-20,896
IV	4,584,545	93,238	1,687,850	2,893	1,499,428	62,159	24,340	99,030	2,796,447	745,973	134,927	142,509	269,719	378,476	238,803	886,040	7,010
2017	17,983,347	328,835	6,649,829	10,536	5,873,213	242,766	106,055	417,259	11,076,085	2,781,031	546,338	555,818	1,178,408	1,437,581	1,052,851	3,524,058	-71,402
I	4,405,269	82,040	1,588,034	2,541	1,409,091	45,069	23,073	108,260	2,771,884	673,196	132,582	137,502	280,496	345,699	311,741	890,668	-36,689
II	4,306,257	91,153	1,570,859	2,597	1,384,068	53,125	27,849	103,220	2,657,441	658,482	124,383	135,104	307,213	357,066	245,217	829,976	-13,196
III	4,556,280	69,520	1,778,105	2,499	1,560,443	84,093	29,290	101,780	2,743,375	669,953	144,903	138,749	303,271	346,324	255,910	884,265	-34,720
IV	4,715,541	86,122	1,712,831	2,899	1,519,611	60,479	25,843	103,999	2,903,385	779,400	144,470	144,463	287,428	388,492	239,983	919,149	13,203
2018	18,342,891	312,562	6,733,819	11,111	5,963,305	209,609	108,453	441,341	11,428,173	2,867,410	547,564	557,541	1,229,002	1,489,190	1,075,029	3,662,437	-131,663
I	4,491,283	76,550	1,569,123	2,743	1,389,779	39,206	24,291	113,104	2,856,986	701,373	136,524	140,424	304,032	355,825	317,220	901,588	-11,376
II	4,472,511	79,041	1,634,374	2,738	1,442,562	51,444	28,432	109,198	2,771,691	686,752	120,034	133,228	328,497	366,709	261,062	875,409	-12,595
III	4,592,725	70,127	1,816,658	2,530	1,599,939	77,480	29,523	107,186	2,791,637	691,080	141,359	137,812	306,505	359,708	245,780	909,393	-85,697
IV	4,786,372	86,844	1,713,664	3,100	1,531,025	41,479	26,207	111,853	3,007,859	788,205	149,647	146,077	289,968	406,948	250,967	976,047	-21,995
2019(p)	18,898,571	333,286	6,730,379	12,143	5,909,987	219,824	110,960	477,465	11,732,149	2,888,755	570,511	573,854	1,275,365	1,532,965	1,098,255	3,792,444	102,757
I	4,571,403	72,485	1,547,286	2,873	1,362,160	35,588	24,337	122,328	2,920,733	699,326	148,310	139,067	304,474	364,912	323,979	940,665	30,899
II	4,604,248	78,930	1,638,026	2,889	1,434,701	51,798	29,012	119,626	2,839,726	689,407	127,280	136,501	338,759	379,144	263,982	904,653	47,566
III(r)	4,777,245	77,684	1,821,822	2,792	1,589,484	83,810	30,573	115,163	2,877,354	696,211	144,524	143,625	325,745	369,341	256,252	941,656	385
IV(p)	4,945,675	104,187	1,723,245	3,589	1,523,642	48,628	27,038	120,348	3,094,336	803,811	150,397	154,661	306,387	419,568	254,042	1,005,470	23,907

Note : (1) Real Estate and Ownership of Dwellings consists of real estate development, operation, related activities and dwellings services. The dwellings services (including those rental and owner-occupied imputed) accounted for over 80% of total real estate and dwellings services.

(2) Include accommodation and food services, professional, scientific and technical services, support services, education, human health and social work services, arts, entertainment and recreation, other services, import duties and value-added tax.

Table 4-2 Gross Domestic Product by Kind of Activity
Composition at Current Prices

Unit: %

Period	Total [1]	Agriculture, Forestry, Fishing and Animal Husbandry	Industry					Services								
			Mining and Quarrying	Manufac- turing	Electricity and Gas Supply	Water Supply and Remediation Services	Construc- tion	Wholesale and Retail Trade	Transporta- tion and Storage	Information and Communi- cation	Finance and Insurance	Real Estate and Ownership of Dwellings [2]	Public Administration and Defence ; Compulsory Social Security	Others [3]		
2012	100.00	1.70	32.66	0.11	28.33	0.92	0.68	2.62	65.64	16.85	2.91	3.17	6.40	8.59	7.29	20.43
2013	100.00	1.73	33.72	0.09	29.12	1.31	0.62	2.57	64.54	16.78	2.81	3.11	6.36	8.50	6.85	20.15
2014	100.00	1.85	35.57	0.09	30.94	1.46	0.57	2.51	62.57	15.95	2.86	3.05	6.45	8.13	6.40	19.74
2015	100.00	1.76	36.29	0.08	31.42	1.78	0.54	2.47	61.95	15.65	3.03	3.09	6.46	8.04	6.11	19.57
2016	100.00	1.87	36.87	0.06	32.22	1.69	0.56	2.34	61.27	15.25	2.91	3.13	6.41	7.97	5.98	19.61
I	100.00	1.90	35.04	0.06	30.31	1.62	0.49	2.56	63.06	15.13	3.12	3.15	6.24	7.83	7.17	20.42
II	100.00	2.00	36.84	0.07	32.04	1.70	0.60	2.44	61.15	15.02	2.70	3.14	7.10	8.17	5.84	19.20
III	100.00	1.52	38.67	0.05	33.70	2.09	0.61	2.22	59.81	14.53	2.88	3.12	6.44	7.61	5.76	19.48
IV	100.00	2.04	36.87	0.06	32.76	1.36	0.53	2.16	61.09	16.30	2.95	3.11	5.89	8.27	5.22	19.36
2017	100.00	1.82	36.83	0.06	32.53	1.34	0.59	2.31	61.35	15.40	3.03	3.08	6.53	7.96	5.83	19.52
I	100.00	1.85	35.75	0.06	31.72	1.01	0.52	2.44	62.40	15.16	2.98	3.10	6.31	7.78	7.02	20.05
II	100.00	2.11	36.37	0.06	32.04	1.23	0.64	2.39	61.52	15.24	2.88	3.13	7.11	8.27	5.68	19.21
III	100.00	1.51	38.73	0.05	33.99	1.83	0.64	2.22	59.76	14.59	3.16	3.02	6.61	7.54	5.57	19.26
IV	100.00	1.83	36.43	0.06	32.32	1.29	0.55	2.21	61.74	16.57	3.07	3.07	6.11	8.26	5.10	19.55
2018	100.00	1.69	36.45	0.06	32.28	1.13	0.59	2.39	61.86	15.52	2.96	3.02	6.65	8.06	5.82	19.82
I	100.00	1.70	34.85	0.06	30.87	0.87	0.54	2.51	63.45	15.58	3.03	3.12	6.75	7.90	7.05	20.02
II	100.00	1.76	36.44	0.06	32.16	1.15	0.63	2.43	61.80	15.31	2.68	2.97	7.32	8.18	5.82	19.52
III	100.00	1.50	38.83	0.05	34.20	1.66	0.63	2.29	59.67	14.77	3.02	2.95	6.55	7.69	5.25	19.44
IV	100.00	1.81	35.64	0.06	31.84	0.86	0.55	2.33	62.55	16.39	3.11	3.04	6.03	8.46	5.22	20.30
2019(p)	100.00	1.77	35.81	0.06	31.44	1.17	0.59	2.54	62.42	15.37	3.04	3.05	6.79	8.16	5.84	20.18
I	100.00	1.60	34.08	0.06	30.00	0.78	0.54	2.69	64.33	15.40	3.27	3.06	6.71	8.04	7.14	20.72
II	100.00	1.73	35.95	0.06	31.49	1.14	0.64	2.63	62.32	15.13	2.79	3.00	7.43	8.32	5.79	19.85
III(r)	100.00	1.63	38.14	0.06	33.27	1.75	0.64	2.41	60.24	14.57	3.03	3.01	6.82	7.73	5.36	19.71
IV(p)	100.00	2.12	35.01	0.07	30.96	0.99	0.55	2.45	62.87	16.33	3.06	3.14	6.23	8.52	5.16	20.43

Note : (1) Statistical Discrepancy is not included.

(2) Real Estate and Ownership of Dwellings consists of real estate development, operation, related activities and dwellings services. The dwellings services (including those rental and owner-occupied imputed) accounted for over 80% of total real estate and dwellings services.

(3) Include accommodation and food services, professional, scientific and technical services, support services, education, human health and social work services, arts, entertainment and recreation, other services, import duties and value-added tax.

Table 4-3 Gross Domestic Product by Kind of Activity
Growth Rates in Chained Volume Indexes (yoy)

Unit: %

Period	Economic Growth Rate	Agriculture, Forestry, Fishing and Animal Husbandry	Industry						Services							
			Mining and Quarrying	Manufacturing	Electricity and Gas Supply	Water Supply and Remediation Services	Construction	Wholesale and Retail Trade	Transportation and Storage	Information and Communication	Finance and Insurance	Real Estate and Ownership of Dwellings [1]	Public Administration and Defence ; Compulsory Social Security	Others [2]		
2012	2.22	-3.21	4.64	0.40	5.36	0.70	4.59	-1.44	1.28	1.04	1.35	3.11	1.55	1.83	0.40	1.16
2013	2.48	1.59	3.03	-4.41	3.39	2.44	-1.32	0.84	2.21	1.13	7.17	4.97	3.99	3.02	-0.89	2.16
2014	4.72	2.04	9.27	-4.99	10.52	2.82	1.74	0.78	3.15	3.24	0.52	5.96	7.99	1.91	-0.94	3.38
2015	1.47	-7.72	0.90	-7.11	1.34	-3.54	-2.98	-0.76	1.23	-0.48	-0.73	8.30	4.21	2.06	0.03	0.87
2016	2.17	-9.65	3.74	-10.32	4.05	6.44	1.39	-1.17	1.33	0.21	2.83	6.06	2.27	0.98	-0.03	1.49
I	-0.09	-9.58	-1.02	-14.16	-0.81	-1.62	-1.35	-2.57	0.60	-2.03	-1.62	7.33	2.45	0.23	0.70	1.58
II	1.69	-12.11	1.64	-8.72	1.63	6.36	0.17	-0.63	1.14	-1.17	1.51	6.45	2.55	1.43	1.36	1.46
III	3.00	-12.51	6.04	-5.61	6.37	9.94	2.82	-0.30	1.49	1.09	5.20	5.29	3.08	1.45	-1.29	1.14
IV	3.92	-5.01	7.93	-11.94	8.54	10.47	3.58	-1.15	2.03	2.89	6.37	5.29	0.93	0.83	-0.89	1.78
2017	3.31	8.27	4.75	1.00	5.44	-0.08	3.41	-0.78	2.90	4.33	6.29	3.76	5.19	1.69	0.70	1.55
I	3.24	10.44	6.34	-0.62	7.55	-0.99	4.37	-2.93	2.80	4.12	8.36	3.69	4.48	1.99	1.35	1.01
II	2.64	7.18	2.70	0.04	3.31	-2.47	3.13	-1.55	2.12	3.41	3.80	3.80	2.18	1.70	0.51	1.30
III	3.61	10.01	5.51	4.87	6.07	1.57	2.69	1.30	3.40	5.05	8.24	3.78	7.35	1.52	0.11	1.89
IV	3.71	6.26	4.52	0.03	4.96	1.21	3.61	0.15	3.23	4.71	4.91	3.76	6.99	1.56	0.85	1.95
2018	2.75	4.49	3.20	8.09	3.31	2.20	4.31	1.91	2.90	3.29	5.46	4.20	3.79	2.58	0.70	2.48
I	3.23	7.27	3.17	4.48	3.09	6.86	3.23	1.37	3.34	4.22	6.87	4.42	7.49	2.15	0.61	1.89
II	3.40	6.62	4.58	6.71	4.85	1.68	5.90	1.83	3.12	4.45	5.05	2.13	6.32	1.85	0.63	2.09
III	2.47	3.82	2.56	7.19	2.68	1.67	4.34	1.37	2.66	3.45	6.20	3.99	0.54	2.71	0.50	2.67
IV	1.97	0.75	2.63	13.09	2.74	-0.62	3.69	3.23	2.51	1.29	3.79	6.11	0.99	3.49	1.08	3.19
2019(p)	2.71	-1.58	0.61	3.98	0.45	1.37	2.89	1.78	2.75	3.13	1.79	5.34	3.75	1.83	1.36	2.63
I	1.84	2.70	-1.89	4.51	-2.47	2.68	2.05	1.76	2.11	1.87	1.51	3.38	0.36	1.45	1.30	3.39
II	2.60	-7.45	0.59	1.47	0.36	0.96	2.37	2.54	2.69	2.56	2.31	5.08	3.14	2.26	1.08	2.96
III(r)	3.03	-1.36	1.63	2.02	1.78	-0.24	2.78	0.55	2.77	3.00	1.93	5.80	6.04	1.60	1.43	2.01
IV(p)	3.31	0.19	1.81	7.22	1.74	2.33	4.27	2.38	3.37	4.95	1.43	6.92	5.48	1.99	1.66	2.26

Note : (1) Real Estate and Ownership of Dwellings consists of real estate development, operation, related activities and dwellings services. The dwellings services (including those rental and owner-occupied imputed) accounted for over 80% of total real estate and dwellings services.

(2) Include accommodation and food services, professional, scientific and technical services, support services, education, human health and social work services, arts, entertainment and recreation, other services, import duties and value-added tax.

Table 4-4 Gross Domestic Product by Kind of Activity
Contributions to Economic Growth Rate

Unit: percentage points

Period	Economic Growth Rate	Agriculture, Forestry, Fishing and Animal Husbandry	Industry					Services								
			Mining and Quarrying	Manufacturing	Electricity and Gas Supply	Water Supply and Remediation Services	Construction	Wholesale and Retail Trade	Transportation and Storage	Information and Communication	Finance and Insurance	Real Estate and Ownership of Dwellings [1]	Public Administration and Defence ; Compulsory Social Security	Others [2]		
2012	2.22	-0.06	1.52	0.00	1.52	0.01	0.03	-0.04	0.84	0.18	0.04	0.10	0.10	0.16	0.03	0.23
2013	2.48	0.03	0.97	0.00	0.94	0.02	-0.01	0.02	1.47	0.19	0.21	0.16	0.26	0.26	-0.06	0.45
2014	4.72	0.04	3.13	0.00	3.06	0.04	0.01	0.02	2.02	0.54	0.01	0.19	0.51	0.16	-0.06	0.67
2015	1.47	-0.14	0.33	-0.01	0.43	-0.05	-0.02	-0.02	0.76	-0.08	-0.02	0.25	0.27	0.17	0.00	0.17
2016	2.17	-0.17	1.36	-0.01	1.28	0.11	0.01	-0.03	0.82	0.03	0.09	0.19	0.15	0.08	0.00	0.28
I	-0.09	-0.16	-0.38	-0.01	-0.25	-0.04	-0.01	-0.07	0.37	-0.34	-0.04	0.23	0.16	0.02	0.04	0.30
II	1.69	-0.23	0.62	-0.01	0.54	0.11	0.00	-0.02	0.69	-0.18	0.05	0.20	0.16	0.12	0.08	0.26
III	3.00	-0.20	2.29	0.00	2.07	0.21	0.02	-0.01	0.93	0.16	0.14	0.16	0.20	0.12	-0.09	0.24
IV	3.92	-0.09	2.80	-0.01	2.65	0.17	0.02	-0.03	1.26	0.47	0.19	0.16	0.07	0.06	-0.04	0.35
2017	3.31	0.15	1.76	0.00	1.76	0.00	0.02	-0.02	1.77	0.66	0.18	0.12	0.33	0.13	0.04	0.31
I	3.24	0.18	2.21	0.00	2.27	0.00	0.02	-0.08	1.77	0.66	0.25	0.12	0.29	0.16	0.09	0.20
II	2.64	0.17	0.99	0.00	1.05	-0.04	0.02	-0.04	1.30	0.51	0.11	0.12	0.15	0.14	0.03	0.24
III	3.61	0.11	2.14	0.00	2.07	0.02	0.02	0.03	2.03	0.71	0.24	0.12	0.47	0.11	0.01	0.37
IV	3.71	0.16	1.67	0.00	1.62	0.02	0.02	0.01	1.97	0.75	0.14	0.12	0.41	0.13	0.05	0.37
2018	2.75	0.08	1.18	0.00	1.08	0.03	0.03	0.04	1.78	0.51	0.17	0.13	0.25	0.21	0.04	0.47
I	3.23	0.13	1.12	0.00	0.95	0.11	0.02	0.04	2.13	0.69	0.22	0.14	0.48	0.18	0.04	0.38
II	3.40	0.12	1.68	0.00	1.56	0.03	0.04	0.05	1.92	0.67	0.15	0.07	0.45	0.15	0.04	0.39
III	2.47	0.08	0.97	0.00	0.90	0.00	0.03	0.04	1.57	0.48	0.18	0.12	0.04	0.19	0.03	0.53
IV	1.97	0.00	0.96	0.01	0.88	-0.01	0.02	0.06	1.55	0.21	0.11	0.19	0.06	0.29	0.06	0.63
2019(p)	2.71	-0.03	0.23	0.00	0.15	0.02	0.02	0.04	1.70	0.49	0.05	0.16	0.25	0.15	0.08	0.52
I	1.84	0.05	-0.65	0.00	-0.75	0.04	0.01	0.05	1.35	0.31	0.04	0.10	0.02	0.12	0.09	0.67
II	2.60	-0.15	0.23	0.00	0.13	0.02	0.01	0.07	1.65	0.39	0.07	0.15	0.24	0.18	0.07	0.55
III(r)	3.03	0.00	0.60	0.00	0.58	-0.02	0.02	0.02	1.66	0.42	0.06	0.18	0.40	0.11	0.08	0.41
IV(p)	3.31	0.00	0.66	0.00	0.57	0.03	0.02	0.04	2.08	0.80	0.04	0.21	0.32	0.17	0.08	0.46

Explanation: Contributions of component X on s season at t year= $(P_{X,t}/P_{GDP,t-1} \times (rX_{t,s} - rX_{t-1,s})/rGDP_{t-1,s} + (rX_{t-1,s}/rGDP_{t-1,s} - rX_{t-1,s}/rGDP_{t-1,s}) \times (P_{X,t}/P_{GDP,t-1} - P_{X,t-2}/P_{GDP,t-2})) \times 100\%$, where rX : Chained dollar of component X ; rGDP : real GDP(reference year = 2016) ; P_X : Deflators of component X ; P_{GDP} : Deflators of GDP.

Note: (1) Real Estate and Ownership of Dwellings consists of real estate development, operation, related activities and dwellings services. The dwellings services (including those rental and owner-occupied imputed) accounted for over 80% of total real estate and dwellings services.

(2) Include accommodation and food services, professional, scientific and technical services, support services, education, human health and social work services, arts, entertainment and recreation, other services, import duties and value-added tax.

Table 5 Gross National Savings and Gross Domestic Investment

Period	Gross National Savings		Gross Domestic Investment		Difference between Savings and Investment			
	Amount (Million NT\$)	Percent of GNI (Savings Ratio) (%)	Amount (Million NT\$)	Percent of GNI (Investment Ratio) (%)	Amount (Million NT\$)	Percent of GNI (%)	Percent of Gross National Savings (%)	Percent of Gross Domestic Investment (%)
2012	4,601,328	30.45	3,330,452	22.04	1,270,876	8.41	27.62	38.16
2013	5,076,461	32.39	3,441,464	21.96	1,634,997	10.43	32.21	47.51
2014	5,735,107	34.35	3,668,439	21.97	2,066,668	12.38	36.04	56.34
2015	6,203,508	35.46	3,706,196	21.18	2,497,312	14.27	40.26	67.38
2016	6,339,620	35.21	3,797,566	21.09	2,542,054	14.12	40.10	66.94
2017	6,563,940	35.61	3,771,289	20.46	2,792,651	15.15	42.55	74.05
I	1,648,806	35.94	949,991	20.71	698,815	15.23	42.38	73.56
II	1,536,156	34.83	955,005	21.66	581,151	13.18	37.83	60.85
III	1,530,715	33.97	933,871	20.73	596,844	13.25	38.99	63.91
IV	1,848,263	37.51	932,422	18.92	915,841	18.58	49.55	98.22
2018	6,556,960	34.96	4,075,318	21.73	2,481,642	13.23	37.85	60.89
I	1,640,142	34.75	970,870	20.57	669,272	14.18	40.81	68.94
II	1,522,989	33.45	964,731	21.19	558,258	12.26	36.66	57.87
III	1,593,252	35.06	1,088,466	23.95	504,786	11.11	31.68	46.38
IV	1,800,577	36.44	1,051,251	21.27	749,326	15.16	41.62	71.28
2019(p)	6,650,993	34.37	4,402,418	22.75	2,248,575	11.62	33.81	51.08
I	1,607,607	33.74	1,054,075	22.12	553,532	11.62	34.43	52.51
II	1,628,952	34.26	1,061,104	22.32	567,848	11.94	34.86	53.51
III(r)	1,599,513	33.74	1,110,131	23.42	489,382	10.32	30.60	44.08
IV(p)	1,814,921	35.66	1,177,108	23.13	637,813	12.53	35.14	54.18
2020(f)	7,170,682	35.73	4,659,537	23.22	2,511,145	12.51	35.02	53.89
I (f)	1,721,454	35.08	1,105,661	22.53	615,793	12.55	35.77	55.69
II (f)	1,777,376	36.11	1,124,827	22.85	652,549	13.26	36.71	58.01
III (f)	1,706,177	34.60	1,214,989	24.64	491,188	9.96	28.79	40.43
IV (f)	1,965,675	37.03	1,214,060	22.87	751,615	14.16	38.24	61.91

Table 6 Exports and Imports

Unit: Million US\$; %

Period	Exports and Imports of Goods and Services (National Accounts)					Custom Exports and Imports of Merchandise				
	Exports		Imports		Balance	Exports (FOB)		Imports (CIF)		Balance
	Amount	Annual Rate of Increase (%)	Amount	Annual Rate of Increase (%)		Amount	Annual Rate of Increase (%)	Amount	Annual Rate of Increase (%)	
2012	393,064	0.17	357,596	-0.92	35,468	305,315	-2.20	276,466	-3.78	28,848
2013	399,732	1.70	355,034	-0.72	44,698	310,866	1.82	277,384	0.33	33,481
2014	415,134	3.85	361,454	1.81	53,680	319,413	2.75	281,096	1.34	38,318
2015	383,625	-7.59	314,368	-13.03	69,257	284,434	-10.95	236,380	-15.91	48,053
2016	366,394	-4.49	298,363	-5.09	68,031	279,175	-1.85	229,199	-3.04	49,975
2017	397,263	8.43	318,310	6.69	78,953	315,487	13.01	257,200	12.22	58,287
I	91,203	9.15	74,815	10.45	16,388	71,725	15.06	60,697	21.03	11,029
II	94,780	6.98	78,326	7.71	16,454	75,128	9.88	63,070	11.72	12,057
III	102,810	11.27	81,269	6.18	21,541	83,271	17.16	65,464	11.30	17,806
IV	108,470	6.51	83,900	3.11	24,570	85,363	10.30	67,968	6.57	17,395
2018	405,344	2.03	337,760	6.11	67,584	334,007	5.87	284,792	10.73	49,216
I	95,706	4.94	80,124	7.10	15,582	79,224	10.45	67,593	11.36	11,631
II	101,123	6.69	84,672	8.10	16,451	83,604	11.28	69,818	10.70	13,785
III	104,389	1.54	88,272	8.62	16,117	85,707	2.93	74,608	13.97	11,098
IV	104,126	-4.00	84,692	0.94	19,434	85,473	0.13	72,772	7.07	12,701
2019(p)	391,626	-3.38	327,533	-3.03	64,093	329,320	-1.40	285,839	0.37	43,481
I	91,763	-4.12	78,277	-2.31	13,486	75,921	-4.17	66,967	-0.93	8,954
II	96,899	-4.18	81,353	-3.92	15,546	81,343	-2.70	70,340	0.75	11,003
III(r)	99,749	-4.44	82,303	-6.76	17,446	85,014	-0.81	72,211	-3.21	12,804
IV(p)	103,215	-0.87	85,600	1.07	17,615	87,042	1.84	76,322	4.88	10,720
2020(f)	401,493	2.52	331,893	1.33	69,600	338,707	2.85	290,787	1.73	47,920
I (f)	92,916	1.26	78,681	0.52	14,235	77,581	2.19	68,206	1.85	9,375
II (f)	98,113	1.25	80,309	-1.28	17,804	83,343	2.46	70,784	0.63	12,559
III (f)	103,444	3.70	85,440	3.81	18,004	87,952	3.46	74,281	2.87	13,671
IV (f)	107,020	3.69	87,463	2.18	19,557	89,831	3.20	77,516	1.57	12,315

Table 7-1 Expenditures on GDP, Seasonally Adjusted
Chained dollars (Reference year = 2016)

Unit: Million NT\$

Period	Real GDP							
	Domestic Demand					Demand of Rest of the World		
		Private Final Consumption	Government Final Consumption	Gross Capital Formation		Exports of Goods and Services	Imports of Goods and Services	
2016								
I	4,330,530	3,780,364	2,250,995	627,059	902,399	549,732	2,887,761	2,338,029
II	4,386,424	3,826,296	2,268,540	613,047	944,677	559,609	2,927,493	2,367,884
III	4,412,641	3,863,727	2,273,310	623,844	966,573	548,839	2,940,127	2,391,288
IV	4,425,673	3,891,496	2,289,230	618,292	983,917	535,205	3,052,747	2,517,542
2017								
I	4,479,818	3,875,854	2,304,428	604,328	967,098	603,964	3,026,989	2,423,025
II	4,507,549	3,928,478	2,315,257	623,040	990,181	579,071	3,001,719	2,422,648
III	4,561,863	3,868,196	2,342,588	634,054	891,554	693,667	3,140,278	2,446,611
IV	4,587,359	3,895,483	2,364,963	610,626	919,894	691,876	3,170,724	2,478,848
2018								
I	4,635,853	3,996,542	2,368,752	649,062	978,632	638,400	3,091,698	2,453,298
II	4,647,893	4,013,822	2,380,035	661,290	972,352	633,157	3,104,646	2,471,489
III	4,656,463	4,044,148	2,375,539	625,862	1,042,791	611,374	3,124,913	2,513,539
IV	4,694,273	4,056,064	2,393,421	635,441	1,027,217	636,873	3,103,084	2,466,212
2019								
I	4,725,768	4,087,608	2,414,906	630,371	1,042,425	635,672	3,116,905	2,481,233
II	4,757,562	4,099,105	2,421,307	645,060	1,032,749	655,917	3,142,805	2,486,888
III (r)	4,783,324	4,108,479	2,430,891	651,077	1,026,509	670,976	3,134,164	2,463,188
IV (p)	4,873,576	4,236,742	2,453,705	648,083	1,134,896	633,320	3,184,974	2,551,653
2020								
I (f)	4,813,961	4,163,100	2,436,956	649,799	1,076,123	648,062	3,170,839	2,522,777
II (f)	4,871,878	4,202,009	2,464,541	652,270	1,085,041	665,428	3,175,697	2,510,269
III (f)	4,913,542	4,252,014	2,479,052	661,617	1,110,865	657,554	3,215,022	2,557,468
IV (f)	4,994,827	4,308,327	2,493,560	666,179	1,147,632	680,897	3,235,344	2,554,447

Explanation: The chained-dollar (reference year=2016) estimates are not additive.

Table 7-2 Expenditures on GDP, Seasonally Adjusted
Growth Rates

Unit:%

Period	Growth Rate (saar)	Domestic Demand					Demand of Rest of the World			
			Private Final Consumption	Government Final Consumption	Gross Capital Formation		Exports of Goods and Services	Imports of Goods and Services		
2016										
I	6.74	1.07	3.13	16.79	-12.66	--	-9.43	-18.75		
II	5.26	4.95	3.15	-8.64	20.10	--	5.62	5.21		
III	2.41	3.97	0.84	7.23	9.60	--	1.74	4.01		
IV	1.19	2.91	2.83	-3.51	7.37	--	16.22	22.85		
2017										
I	4.98	-1.60	2.68	-8.73	-6.66	--	-3.33	-14.19		
II	2.50	5.54	1.89	12.97	9.89	--	-3.30	-0.06		
III	4.91	-6.00	4.81	7.26	-34.27	--	19.78	4.02		
IV	2.25	2.85	3.88	-13.98	13.33	--	3.93	5.38		
2018										
I	4.30	10.79	0.64	27.66	28.09	--	-9.60	-4.06		
II	1.04	1.74	1.92	7.75	-2.54	--	1.69	3.00		
III	0.74	3.06	-0.75	-19.77	32.28	--	2.64	6.98		
IV	3.29	1.18	3.05	6.26	-5.84	--	-2.77	-7.32		
2019										
I	2.71	3.15	3.64	-3.15	6.05	--	1.79	2.46		
II	2.72	1.13	1.06	9.65	-3.66	--	3.37	0.91		
III(r)	2.18	0.92	1.59	3.78	-2.40	--	-1.10	-3.76		
IV(p)	7.76	13.08	3.81	-1.83	49.41	--	6.64	15.16		
2020										
I (f)	-4.80	-6.77	-2.70	1.06	-19.16	--	-1.76	-4.45		
II (f)	4.90	3.79	4.61	1.53	3.36	--	0.61	-1.97		
III (f)	3.46	4.85	2.38	5.86	9.87	--	5.05	7.74		
IV (f)	6.78	5.40	2.36	2.79	13.91	--	2.55	-0.47		

Table 8 Indicators for Private Final Consumption Expenditure

Unit:%

Period	Sales of Wholesales, Retail and Food Services			Production Indexes of Domestic Consumer Goods	Stock Trading on TSEC and GTSM Market	Number of New Registered Automobile	Outbound Departure of Nationals of the R.O.C	Retail Sales Volume of Credit Cards	People Aged 65 and above as the Percentage of Total Population (End of Period)
	Sales of Retail Trade	Sales of General Merchandise Stores	Sales of Food and Beverage Services						
	Annual Rate	Annual Rate	Annual Rate						
2012	1.1	4.7	8.7	-7.0	-23.2	-3.3	6.8	5.6	11.15
2013	0.8	2.5	6.7	0.0	-0.9	3.4	7.9	8.5	11.53
2014	2.8	4.8	8.1	2.8	23.0	12.0	7.2	8.1	11.99
2015	-1.0	3.7	7.8	-1.3	-8.4	-0.7	11.3	7.9	12.51
2016	1.1	4.3	8.7	1.8	-15.7	4.5	10.7	8.5	13.20
2017	0.9	1.2	3.7	3.4	45.1	1.1	7.3	8.3	13.86
I	0.5	-1.2	3.2	11.0	8.6	1.0	6.6	7.9	13.39
II	-1.3	0.7	2.8	6.9	26.3	-5.3	7.0	7.1	13.52
III	0.9	0.5	4.2	2.0	57.3	7.8	4.3	9.9	13.66
IV	3.2	4.4	4.8	-4.8	93.0	1.9	11.7	8.3	13.86
2018	2.2	3.8	5.4	1.2	19.3	-2.1	6.3	9.9	14.56
I	4.2	5.3	5.3	-4.0	46.7	6.0	7.6	12.8	14.05
II	3.4	4.5	6.2	-1.3	56.6	-1.3	8.9	8.7	14.18
III	1.2	4.1	6.8	3.3	8.3	-8.6	6.2	8.7	14.35
IV	0.2	1.6	3.5	6.7	-14.5	-4.3	2.4	9.8	14.56
2019	3.1	4.1	4.4	2.3	-9.8	1.1	...	...	15.28
I	-0.5	2.7	5.8	-0.3	-23.8	-15.8	6.1	8.5	14.76
II	3.9	5.4	4.0	0.9	-21.3	2.5	-0.4	13.1	14.90
III	4.7	4.8	3.7	2.0	-9.8	5.4	2.5	13.5	15.06
IV	4.2	3.5	4.0	6.2	20.7	12.9	...	...	15.28
Oct.	4.2	4.5	4.3	3.4	13.5	17.1	9.2	9.4	15.13
Nov.	5.6	5.4	5.9	3.9	14.4	13.0	5.4	6.1	15.21
Dec.	2.7	0.7	2.1	11.4	36.4	9.4	...	...	15.28

Sources: Ministry of Economic Affairs, Ministry of Transportation and Communications, Banking Bureau and Securities and Futures Bureau, Financial Supervisory Commission, Ministry of Interior.

Table 9 Indicators for Private Gross Fixed Capital Formation

Period	Production Index of Manufacturing Investment Goods Annual Rate (%)	Total Floor Area of Construction Commencement Annual Rate (%)	Import of Capital Goods				Loans for Construction Annual Rate (%)
			NT dollars (NT\$100 Million)		US dollars (US\$100 Million)		
				Annual Rate (%)		Annual Rate (%)	
2012	-2.4	6.4	10,084	-6.5	341	-7.3	7.3
2013	0.0	6.7	10,708	6.2	361	6.0	1.8
2014	6.9	9.3	11,427	6.7	378	4.6	8.7
2015	1.3	-19.1	11,788	3.2	372	-1.5	-1.0
2016	-2.7	-17.9	13,240	12.3	411	10.5	2.5
2017	5.2	11.6	12,358	-6.7	406	-1.3	5.5
I	4.4	-12.5	3,158	12.7	101	19.4	2.1
II	-0.2	15.6	3,003	-8.3	99	-1.6	3.4
III	10.8	30.7	2,917	-14.3	96	-9.8	4.1
IV	5.9	17.3	3,280	-12.7	109	-8.3	5.5
2018	8.3	13.1	12,623	2.1	419	3.2	6.9
I	6.5	6.8	3,001	-5.0	102	1.0	4.5
II	9.9	18.9	2,963	-1.3	100	0.7	6.2
III	4.2	16.1	3,440	17.9	112	16.4	6.3
IV	12.2	9.8	3,219	-1.9	104	-4.1	6.9
2019	5.3	6.0	15,722	24.5	509	21.5	12.7
I	6.7	13.2	3,616	20.5	117	14.9	8.8
II	6.7	3.3	3,583	20.9	115	15.1	10.2
III	6.9	-3.0	3,719	8.1	119	6.2	11.0
IV	1.5	12.2	4,803	49.2	157	50.5	12.7
Oct.	-0.1	10.3	1,365	21.4	44	21.0	12.2
Nov.	1.7	-7.2	1,492	64.3	49	66.3	12.5
Dec.	2.9	35.2	1,946	64.0	64	66.3	12.7

Sources: Ministry of Economic Affairs, Ministry of Interior, Ministry of Finance, Central Bank.

Table 10 Economic Growth Rates of Major Countries

Unit: %

Period	ROC(Taiwan)		US*		Japan		EU*			China		HK	South Korea		Singapore		
	yoy	saar	yoy	saar	yoy	saar		Germany	France	UK	yoy		saar	yoy	saar	yoy	saar
2012	2.22	—	2.2	—	1.5	—	-0.4	0.4	0.3	1.5	7.9	—	1.7	2.4	—	4.4	—
2013	2.48	—	1.8	—	2.0	—	0.3	0.4	0.6	2.1	7.8	—	3.1	3.2	—	4.8	—
2014	4.72	—	2.5	—	0.4	—	1.7	2.2	1.0	2.6	7.4	—	2.8	3.2	—	3.9	—
2015	1.47	—	2.9	—	1.2	—	2.3	1.7	1.1	2.4	7.0	—	2.4	2.8	—	2.9	—
2016	2.17	—	1.6	—	0.5	—	2.0	2.2	1.1	1.9	6.8	—	2.2	2.9	—	3.0	—
2017	3.31	—	2.4	—	2.2	—	2.6	2.5	2.3	1.9	6.9	—	3.8	3.2	—	3.7	—
I	3.24	4.98	2.1	2.3	1.8	4.6	2.3	2.3	1.4	2.2	7.0	6.6	4.4	3.1	3.6	3.7	1.2
II	2.64	2.50	2.2	2.2	2.0	1.6	2.7	2.3	2.4	1.9	7.0	7.4	4.0	2.8	2.0	3.0	1.5
III	3.61	4.91	2.4	3.2	2.4	2.7	2.9	3.0	2.8	1.8	6.9	7.0	3.6	3.9	6.1	4.6	8.3
IV	3.71	2.25	2.8	3.5	2.5	1.2	2.8	3.4	3.0	1.6	6.8	6.6	3.5	2.8	-0.4	3.6	3.6
2018	2.75	—	2.9	—	0.3	—	2.0	1.5	1.7	1.3	6.7	—	2.9	2.7	—	3.1	—
I	3.23	4.30	2.9	2.5	0.8	-1.9	2.5	2.3	2.4	1.1	6.9	6.1	4.6	2.8	4.1	4.6	4.9
II	3.40	1.04	3.2	3.5	1.0	2.1	2.2	2.1	1.9	1.3	6.9	7.4	3.6	2.9	2.4	4.2	0.7
III	2.47	0.74	3.1	2.9	-0.3	-2.4	1.8	1.1	1.5	1.6	6.7	6.6	2.8	2.1	2.0	2.6	0.8
IV	1.97	3.29	2.5	1.1	-0.2	1.0	1.5	0.6	1.2	1.4	6.5	6.1	1.1	2.9	3.6	1.3	-0.8
2019	2.71	—	2.3	—	...	—	1.4	...	1.2	1.4	6.1	—	-1.2	2.0	—	0.7	—
I	1.84	2.71	2.7	3.1	0.8	2.6	1.7	1.0	1.3	2.0	6.4	5.7	0.7	1.7	-1.6	1.1	3.8
II	2.60	2.72	2.3	2.0	0.9	2.0	1.4	0.3	1.5	1.3	6.2	6.6	0.4	2.0	4.1	0.2	-2.6
III	3.03	2.18	2.1	2.1	1.7	1.8	1.4	0.5	1.4	1.2	6.0	5.7	-2.8	2.0	1.6	0.7	2.4
IV	3.31	7.76	2.3	2.1	...	...	1.1	...	0.8	1.1	6.0	6.1	-2.9	2.2	4.9	0.8	0.1

Sources: Eurostat and official websites.

Note: 1.yoy (year on year) means the growth rates to the correspondent quarter of previous year; saar (seasonally adjusted annualized rate) means the annualized growth rate of seasonally adjusted value compared to the previous quarter.

2.*Chained dollars at seasonally adjusted annual rates (yoy).

Table 11 The Changes of Consumer Price Indices for Major Countries

Unit:%

Period	ROC(Taiwan)		US		Japan		China		South Korea		Singapore		HK		Indonesia		Germany		Philippines	
		Food		Food		Food		Food		Food		Food		Food		Food		Food		Food
2012	1.93	4.17	2.1	2.6	-0.1	0.1	2.6	4.8	2.2	4.0	4.6	2.3	4.1	5.8	4.3	5.9	2.0	3.4	3.0	...
2013	0.79	1.25	1.5	1.4	0.3	-0.1	2.6	4.7	1.3	0.9	2.4	2.1	4.3	4.4	6.4	11.9	1.5	3.8	2.6	2.5
2014	1.20	3.75	1.6	2.4	2.8	3.8	1.9	3.1	1.3	0.3	1.0	2.9	4.4	4.1	6.4	6.8	0.9	1.1	3.6	5.9
2015	-0.30	3.13	0.1	1.9	0.8	3.1	1.4	2.3	0.7	1.6	-0.5	1.9	3.0	4.0	6.4	7.2	0.5	0.6	0.7	1.8
2016	1.39	5.23	1.3	0.3	-0.1	1.7	2.0	3.8	1.0	2.3	-0.5	2.1	2.4	3.4	3.5	7.2	0.5	0.8	1.3	1.6
2017	0.62	-0.37	2.1	0.9	0.5	0.7	1.6	-0.4	1.9	3.4	0.6	1.4	1.5	2.2	3.8	2.1	1.5	2.8	2.9	3.0
2018	1.35	0.99	2.4	1.4	1.0	1.4	2.1	1.9	1.5	2.8	0.4	1.4	2.4	3.4	3.2	4.2	1.7	2.3	5.2	6.8
2019	0.56	1.91	1.8	1.9	0.5	0.4	2.9	7.0	0.4	0.0	0.6	1.5	2.9	4.9	3.0	3.7	1.4	1.1	2.5	2.1
Jan.	0.18	0.81	1.6	1.6	0.2	-1.5	1.7	2.0	0.8	2.6	0.4	1.4	2.5	3.3	2.8	2.0	1.4	0.7	4.4	5.6
Feb.	0.22	0.86	1.5	2.0	0.2	-1.4	1.5	1.2	0.5	0.4	0.5	1.4	2.1	3.0	2.6	0.7	1.5	1.3	3.8	4.7
Mar.	0.56	1.46	1.9	2.1	0.5	-0.3	2.3	3.5	0.4	1.1	0.6	1.6	2.1	3.1	2.5	0.6	1.3	0.5	3.3	3.4
Apr.	0.66	1.36	2.0	1.8	0.9	0.7	2.6	4.7	0.6	1.4	0.8	1.3	2.9	3.0	2.8	2.3	2.0	0.5	3.0	3.0
May	0.93	2.59	1.8	2.0	0.8	0.8	2.8	5.8	0.7	1.9	0.9	1.4	2.8	3.6	3.3	4.1	1.4	0.8	3.2	3.4
Jun.	0.85	3.35	1.6	1.9	0.7	1.4	2.7	6.1	0.7	2.0	0.6	1.4	3.2	5.6	3.3	4.9	1.6	1.0	2.7	2.7
Jul.	0.38	1.67	1.8	1.8	0.6	0.9	2.8	6.7	0.6	0.8	0.4	1.4	3.3	5.9	3.3	4.9	1.7	1.8	2.4	1.9
Aug.	0.43	2.35	1.7	1.7	0.2	0.1	2.8	7.3	0.0	-3.3	0.5	1.6	3.5	6.3	3.5	5.8	1.4	2.3	1.7	0.6
Sep.	0.42	1.96	1.7	1.8	0.2	0.5	3.0	8.4	-0.4	-4.1	0.5	1.6	3.3	6.0	3.4	5.4	1.2	1.1	0.9	-0.9
Oct.	0.37	1.64	1.8	2.1	0.2	0.9	3.7	11.4	0.0	-1.3	0.4	1.7	3.1	6.1	3.1	4.8	1.1	0.9	0.8	-0.9
Nov.	0.58	1.86	2.1	2.0	0.5	1.5	4.5	13.9	0.2	-0.7	0.6	1.7	3.0	6.3	3.0	5.0	1.1	1.6	1.3	0.0
Dec.	1.14	2.97	2.3	1.8	0.8	1.9	4.4	12.9	0.7	0.1	0.8	1.8	2.9	6.1	2.7	4.3	1.5	1.9	2.5	1.7
2020	1.85	2.57	...	...	...	...	5.4	15.2	1.5	1.8	...	...	...	...	2.7	4.3	...	...	2.9	2.2
Jan.	1.85	2.57	...	...	...	...	5.4	15.2	1.5	1.8	...	...	...	...	2.7	4.3	...	...	2.9	2.2

Source : International Financial Statistics (IMF) and official websites.

Note : 1. The CPIs of Taiwan source from official websites, others source from IMF.

2. Change rates of food source from official websites.

Table 12 Summary of Earning and Productivity Statistics in Taiwan Area

Year and month	Employees on payrolls			Industry & services							Total monthly earnings of each employee				
	Industry & services (Thousand person)	Industry (Thousand person)	Services (Thousand person)	Accessions		Separations		Monthly working hours of each employee			Regular earnings		Overtime pay		
				(Thousand person)	(%)	(Thousand person)	(%)	(hour)	Overtime		(NT\$)	(NT\$)	Annual growth rate (%)	(NT\$)	Annual growth rate (%)
									(hour)	Changes (hour)					
(Thousand person)	(Thousand person)	(Thousand person)	(Thousand person)	(%)	(Thousand person)	(%)	(hour)	(hour)	(hour)	(NT\$)	(NT\$)	(%)	(NT\$)	(%)	
2012	7,075	3,138	3,937	165	2.34	155	2.20	178.4	8.0	-0.4	46,109	37,193	1.25	1,399	-1.55
2013	7,204	3,172	4,032	172	2.40	160	2.22	177.1	8.5	0.5	46,174	37,552	0.97	1,506	7.65
2014	7,381	3,238	4,144	188	2.56	173	2.35	177.9	8.6	0.1	47,832	38,218	1.77	1,556	3.32
2015	7,532	3,279	4,253	177	2.36	167	2.22	175.3	8.3	-0.3	49,024	38,712	1.29	1,562	0.39
2016	7,637	3,294	4,343	174	2.29	165	2.17	169.6	8.5	0.2	49,266	39,213	1.29	1,656	6.02
2017	7,769	3,337	4,432	182	2.35	171	2.20	169.6	8.0	-0.5	50,480	39,928	1.82	1,724	4.11
2018	7,877	3,376	4,500	186	2.37	178	2.26	169.4	8.1	0.1	52,407	40,959	2.58	1,820	5.57
Oct.	7,912	3,388	4,524	183	2.32	172	2.18	177.5	8.2	0.0	45,933	41,229	2.62	1,880	6.64
Nov.	7,925	3,393	4,532	158	2.00	145	1.83	177.0	7.8	-0.3	46,937	41,239	2.60	1,798	1.99
Dec.	7,933	3,394	4,539	147	1.86	139	1.76	171.2	7.8	-0.3	50,869	41,378	2.09	1,811	2.20
2019 Jan. ~ Nov.	7,962	3,393	4,569	190	2.39	182	2.29	168.2	7.8	-0.3	53,603	41,829	2.22	1,829	0.44
Jan.	7,941	3,392	4,550	164	2.07	156	1.96	181.8	7.6	-0.5	94,136	41,694	2.31	1,737	-2.03
Feb.	7,919	3,382	4,537	149	1.88	172	2.16	128.8	7.2	-0.2	54,259	41,235	1.98	1,735	3.89
Mar.	7,927	3,387	4,541	204	2.58	196	2.47	166.5	7.9	-0.4	46,432	41,659	2.21	1,837	-1.02
Apr.	7,931	3,387	4,544	184	2.32	180	2.27	165.6	8.1	-0.2	47,766	41,751	2.55	1,885	3.06
May	7,937	3,387	4,550	172	2.17	167	2.10	178.6	8.1	-0.2	50,299	41,888	2.46	1,895	2.88
Jun.	7,942	3,389	4,552	183	2.30	178	2.24	159.2	7.9	-0.3	48,595	41,762	2.33	1,867	1.30
Jul.	7,990	3,404	4,586	249	3.14	201	2.53	182.9	7.5	-0.7	53,133	41,953	2.49	1,755	-4.88
Aug.	7,994	3,400	4,594	220	2.75	216	2.70	175.2	7.7	-0.4	50,956	42,102	2.14	1,801	-1.85
Sep.	7,990	3,396	4,594	211	2.64	215	2.68	163.2	7.7	-0.5	49,325	41,872	1.78	1,827	-1.93
Oct.	7,998	3,398	4,599	186	2.32	178	2.23	176.4	8.0	-0.2	46,865	42,075	2.05	1,883	0.16
Nov.	8,012	3,402	4,610	164	2.06	150	1.87	171.7	8.1	0.3	47,998	42,130	2.16	1,897	5.51
The change compared with the last month(value)	14	4	11	-22	-0.26	-28	-0.36	-4.7	0.1		1,133	55		14	
The change compared with the same month of last year(value)	87	9	78	6	0.06	5	0.04	-5.3	0.3		1,061	891		99	
The change compared with the same period (Jan. ~ Nov.) of last year(value)	91	18	72	0	-0.02	0	-0.03	-1.0	-0.3		1,055	909		8	
The change compared with the last month(rate)	0.18	0.12	0.23	-11.38		-15.87		-2.66	1.25		2.42	0.13		0.74	
The change compared with the same month of last year(rate)	1.10	0.26	1.73	4.02		3.56		-2.99	3.85		2.26	2.16		5.51	
The change compared with the same period (Jan. ~ Nov.) of last year(rate)	1.15	0.55	1.60	0.03		0.30		-0.59	-3.70		2.01	2.22		0.44	

Note : 1. Total monthly earnings of all employees are the total of regular(basic salary,monthly bonus, fixed subsidy and good attendance reward) and irregular(over-time, annual bonus, flexible bonus not paid by month) earnings of employees on payroll, but exclude the non-working reward such as insurance and pension.

2. Number of employees at the end of this month = Number of employees at the end of last month + Number of accession in this month - Number of separation in this month. However, the formula above does not apply on annual average data since the annual employees number is mean of a year not the number at the end of a year.

3. Both Industry & Services and Services Sectors statistics covered Education Industry (only other education and educational support activities are included).