

**GDP: Preliminary Estimate for 2019Q3,  
Outlook for 2019-20,  
and the Comprehensive Revision of the National Accounts**

**November 29, 2019** Taiwan's real gross domestic product (GDP) grew by 2.99% from the same quarter of the previous year in 2019Q3, according to the latest preliminary estimate. The GDP is projected to grow 2.64% and 2.72% in 2019 and 2020, respectively. Meanwhile, DGBAS has released the comprehensive revision of GDP from 1951 through 2018.

**Preliminary Estimate of Real GDP in 2019Q3**

The real GDP increased by 2.42% on a quarter-on-quarter, seasonally-adjusted annualized basis (saar), or by 2.99% on a year-on-year basis (yoy) in 2019Q3, 0.08 percentage point higher than the advance estimate.

Meanwhile, the economic growth rate of 2019Q1 and Q2 have been revised to 1.84% and 2.60%.

On the demand side, real private final consumption grew by 2.28% (yoy) in 2019Q3, higher than the 1.61% growth in the previous quarter, mainly reflecting the sales growth of cars and electric scooters, partly offset by the decrease in securities transaction fees.

Real gross capital formation contracted by 0.87% (yoy), a reversal from the 6.17% growth in the previous quarter, mainly owing to the inventory adjustments and the high base effect in the previous year, which more than offset the robust expansion of machinery and equipment expenditures.

In addition, real exports of goods and services grew by 0.33% (yoy) on the strict change of ownership basis according to the 6<sup>th</sup> Balance of Payments and International Investment Position Manual (BPM6).

On the production side, the manufacturing sector grew by 1.86% (yoy) in 2019Q3, following the 0.36% 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 2.99% and 4.83% (both yoy) respectively, after the expansion of 2.56% and 3.14% growth in the previous quarter.

## **Forecast for 2019**

Despite of the weakened global growth and the international trade conflicts, the declining inventory levels in the semiconductor sector and continuous-rising domestic production capacity driven by the reshoring of Taiwan's overseas manufacturing companies partly offset the adverse effects. In the domestic sector, the real private consumption growth will be supported by the picking-up demand for automobiles and smartphones, in spite of the impact of the volatile financial market. In the meantime, real private fixed capital formation is expected to grow due to the sustaining investment of semiconductor manufacturing and reshoring of the overseas Taiwanese businesses.

For the whole 2019, real GDP is projected to grow 2.64%, which is revised upwardly by 0.18 percentage point from the forecast in August.

Consumer price Index (CPI) will increase 0.55% in 2019, lower by 0.12 percentage point than the previous forecast, mainly reflecting the falling raw material prices.

## **Outlook for 2020**

World trade volume is expected to grow by 3.2% in 2020, higher than 1.1% in 2019, according to the IMF's forecast. Moreover, the increasing domestic production capacity, spurred by the semiconductor manufacturing companies for fitting the emerging demand for new technological applications, such as 5G, internet of things (IOT) and artificial intelligence, and the reshoring of Taiwan's overseas companies, will support Taiwan's export growth. In aggregate with services exports, real exports of goods and services will grow by 2.69% in 2020.

Regarding domestic demands, real private consumption will grow by 2.02%, supported by the stable labor market, while continuously weighed down by the aging population and low fertility rate. Real fixed capital formation will grow by 4.71%, driven by the continuing investment of semiconductor industry, 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 2.72% in 2020. CPI will gently increase 0.71%.

## **Comprehensive Revision of the National Accounts**

The revised estimates of GDP and related series from 1951 to 2018 are released. The revision includes the regular quinquennial revision based on the Industry and Service Census and other newly available and revised source data, as well as the implementation of the strict change of ownership principle according to the 6<sup>th</sup> Balance of Payments and International Investment Position Manual (BPM6).

As a result of the comprehensive revision, the average annual growth rate of real GDP from 2012 to 2018 is revised to 2.73%, 0.40 percent points higher than the original figure (2.33%).

**For further information:**

**Statistics Database:**

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

**DGBAS** news releases on the Internet:

<https://eng.stat.gov.tw/>

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**Gross Domestic Products of 2019Q4 (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
<b>2012</b>	<b>14,677,765</b>	—	<b>15,779,909</b>	—	<b>2.22</b>	—	—
<b>2013</b>	<b>15,270,728</b>	—	<b>16,171,821</b>	—	<b>2.48</b>	—	—
<b>2014</b>	<b>16,258,047</b>	—	<b>16,935,007</b>	—	<b>4.72</b>	—	—
<b>2015</b>	<b>17,055,080</b>	—	<b>17,183,235</b>	—	<b>1.47</b>	—	—
<b>2016</b>	<b>17,555,268</b>	—	<b>17,555,268</b>	—	<b>2.17</b>	—	—
I	4,318,253	4,376,371	4,163,911	4,330,530	-0.09	1.64	6.74
II	4,258,596	4,370,352	4,313,374	4,386,424	1.69	1.29	5.26
III	4,393,874	4,353,357	4,456,444	4,412,641	3.00	0.60	2.41
IV	4,584,545	4,455,188	4,621,539	4,425,673	3.92	0.30	1.19
<b>2017</b>	<b>17,983,347</b>	—	<b>18,136,589</b>	—	<b>3.31</b>	—	—
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
<b>2018</b>	<b>18,342,891</b>	—	<b>18,634,482</b>	—	<b>2.75</b>	—	—
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
<b>2019(f)</b>	<b>18,925,767</b>	—	<b>19,125,699</b>	—	<b>2.64</b>	—	—
I	4,571,403	4,655,943	4,519,676	4,720,155	1.84	0.55	2.22
II [1]	4,604,248	4,703,741	4,697,096	4,761,253	2.60	0.87	3.53
III (p)	4,776,048	4,735,515	4,872,549	4,789,789	2.99	0.60	2.42
IV (f)	4,974,068	4,830,568	5,036,378	4,854,502	3.04	1.35	5.51
<b>2020(f)</b>	<b>19,662,211</b>	—	<b>19,645,006</b>	—	<b>2.72</b>	—	—
I (f)	4,776,393	4,859,158	4,656,068	4,860,748	3.02	0.13	0.52
II (f)	4,795,016	4,893,161	4,830,904	4,889,436	2.85	0.59	2.38
III (f)	4,949,035	4,919,604	5,001,748	4,916,043	2.65	0.54	2.19
IV (f)	5,141,767	4,990,288	5,156,286	4,978,779	2.38	1.28	5.20

Explanation: 1. (p) indicates preliminary version, (f) indicates forecast. 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 ;  $saar=(1+saqr)^4-1$ .

Note: 1. Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

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 (%)
<b>2012</b>	<b>14,677,765</b>	<b>2.91</b>	<b>495,536</b>	<b>15,779,909</b>	<b>2.22</b>	<b>15,109,951</b>	<b>510,127</b>	<b>12,496,672</b>	<b>421,900</b>	<b>12,667,183</b>	<b>2.65</b>
<b>2013</b>	<b>15,270,728</b>	<b>4.04</b>	<b>512,957</b>	<b>16,171,821</b>	<b>2.48</b>	<b>15,673,232</b>	<b>526,477</b>	<b>13,194,356</b>	<b>443,210</b>	<b>13,193,923</b>	<b>4.16</b>
<b>2014</b>	<b>16,258,047</b>	<b>6.47</b>	<b>535,332</b>	<b>16,935,007</b>	<b>4.72</b>	<b>16,697,152</b>	<b>549,791</b>	<b>14,212,193</b>	<b>467,968</b>	<b>14,127,703</b>	<b>7.08</b>
<b>2015</b>	<b>17,055,080</b>	<b>4.90</b>	<b>534,474</b>	<b>17,183,235</b>	<b>1.47</b>	<b>17,494,741</b>	<b>548,253</b>	<b>14,860,645</b>	<b>465,705</b>	<b>14,950,537</b>	<b>5.82</b>
<b>2016</b>	<b>17,555,268</b>	<b>2.93</b>	<b>543,002</b>	<b>17,555,268</b>	<b>2.17</b>	<b>18,006,409</b>	<b>556,957</b>	<b>15,305,453</b>	<b>473,413</b>	<b>15,305,453</b>	<b>2.37</b>
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
<b>2017</b>	<b>17,983,347</b>	<b>2.44</b>	<b>590,780</b>	<b>18,136,589</b>	<b>3.31</b>	<b>18,430,708</b>	<b>605,477</b>	<b>15,733,800</b>	<b>516,879</b>	<b>15,765,865</b>	<b>3.01</b>
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
<b>2018</b>	<b>18,342,891</b>	<b>2.00</b>	<b>608,186</b>	<b>18,634,482</b>	<b>2.75</b>	<b>18,757,692</b>	<b>621,939</b>	<b>15,992,789</b>	<b>530,265</b>	<b>15,885,444</b>	<b>0.76</b>
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
<b>2019</b>											
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 [1]	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 (p)	4,776,048	3.99	153,029	4,872,549	2.99	4,738,404	151,823	3,969,809	127,197	3,966,974	2.50

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.

Note:1. Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

Table 2 Changes in Prices

Unit:%

Period	Deflators						CPI	WPI
	GDP	Private Final Consumption	Government Final Consumption	Gross Fixed Capital Formation	Exports	Imports		
<b>2012</b>	<b>0.68</b>	<b>1.15</b>	<b>1.82</b>	<b>0.70</b>	<b>-0.96</b>	<b>-0.54</b>	<b>1.93</b>	<b>-1.16</b>
<b>2013</b>	<b>1.52</b>	<b>0.26</b>	<b>0.26</b>	<b>-2.28</b>	<b>-1.29</b>	<b>-3.72</b>	<b>0.79</b>	<b>-2.43</b>
<b>2014</b>	<b>1.66</b>	<b>0.65</b>	<b>0.70</b>	<b>1.21</b>	<b>-0.04</b>	<b>-1.68</b>	<b>1.20</b>	<b>-0.56</b>
<b>2015</b>	<b>3.39</b>	<b>-0.70</b>	<b>0.24</b>	<b>-1.72</b>	<b>-3.55</b>	<b>-10.09</b>	<b>-0.30</b>	<b>-8.85</b>
<b>2016</b>	<b>0.76</b>	<b>0.69</b>	<b>1.29</b>	<b>0.47</b>	<b>-1.96</b>	<b>-2.50</b>	<b>1.39</b>	<b>-2.98</b>
I	2.52	0.63	0.56	-0.64	-1.99	-5.46	1.74	-4.99
II	0.72	0.87	1.98	1.22	-1.53	-1.73	1.33	-3.27
III	-0.47	0.39	1.04	0.94	-3.15	-1.99	0.71	-3.41
IV	0.38	0.88	1.14	0.42	-1.05	-0.79	1.79	-0.16
<b>2017</b>	<b>-0.84</b>	<b>-0.02</b>	<b>0.59</b>	<b>-0.05</b>	<b>-1.98</b>	<b>-0.77</b>	<b>0.62</b>	<b>0.90</b>
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
<b>2018</b>	<b>-0.73</b>	<b>0.98</b>	<b>1.40</b>	<b>2.12</b>	<b>0.34</b>	<b>3.62</b>	<b>1.35</b>	<b>3.63</b>
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
<b>2019(f)</b>	<b>0.52</b>	<b>0.54</b>	<b>0.75</b>	<b>2.01</b>	<b>-1.65</b>	<b>-1.08</b>	<b>0.55</b>	<b>-2.15</b>
I	-0.06	0.35	1.35	2.26	-0.32	1.38	0.33	0.70
II [1]	0.34	0.70	0.03	2.28	-0.82	0.53	0.81	-0.58
III (p)	0.97	0.55	2.38	1.88	-2.61	-2.53	0.41	-3.97
IV (f)	0.85	0.54	0.04	1.73	-2.63	-3.36	0.65	-4.62
<b>2020(f)</b>	<b>1.15</b>	<b>0.52</b>	<b>1.17</b>	<b>1.61</b>	<b>-1.25</b>	<b>-2.13</b>	<b>0.71</b>	<b>-2.38</b>
I (f)	1.42	0.68	0.98	1.48	-0.95	-2.08	0.81	-2.92
II (f)	1.27	0.27	1.09	1.56	-2.21	-3.89	0.37	-4.32
III (f)	0.95	0.49	1.08	1.63	-1.95	-2.59	0.69	-2.36
IV (f)	0.97	0.67	1.41	1.74	0.07	0.06	0.96	0.18

Note:1. Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

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					
<b>2012</b>	<b>14,677,765</b>	<b>13,630,790</b>	<b>8,015,850</b>	<b>2,284,488</b>	<b>3,313,753</b>	<b>2,592,951</b>	<b>202,351</b>	<b>518,451</b>	<b>16,699</b>	<b>1,046,975</b>	<b>11,634,675</b>	<b>10,587,700</b>
<b>2013</b>	<b>15,270,728</b>	<b>13,943,063</b>	<b>8,242,378</b>	<b>2,259,221</b>	<b>3,465,988</b>	<b>2,763,424</b>	<b>200,214</b>	<b>502,350</b>	<b>-24,524</b>	<b>1,327,665</b>	<b>11,854,435</b>	<b>10,526,770</b>
<b>2014</b>	<b>16,258,047</b>	<b>14,632,191</b>	<b>8,602,842</b>	<b>2,360,910</b>	<b>3,630,558</b>	<b>2,951,986</b>	<b>211,289</b>	<b>467,283</b>	<b>37,881</b>	<b>1,625,856</b>	<b>12,559,478</b>	<b>10,933,622</b>
<b>2015</b>	<b>17,055,080</b>	<b>14,857,471</b>	<b>8,787,564</b>	<b>2,363,711</b>	<b>3,663,758</b>	<b>3,029,456</b>	<b>191,487</b>	<b>442,815</b>	<b>42,438</b>	<b>2,197,609</b>	<b>12,157,096</b>	<b>9,959,487</b>
<b>2016</b>	<b>17,555,268</b>	<b>15,361,883</b>	<b>9,082,075</b>	<b>2,482,242</b>	<b>3,807,567</b>	<b>3,172,823</b>	<b>186,630</b>	<b>448,114</b>	<b>-10,001</b>	<b>2,193,385</b>	<b>11,808,128</b>	<b>9,614,743</b>
I	4,318,253	3,793,946	2,237,422	671,308	897,065	786,949	27,539	82,577	-11,849	524,307	2,766,607	2,242,300
II	4,258,596	3,743,254	2,241,272	565,295	922,633	773,190	47,988	101,455	14,054	515,342	2,875,155	2,359,813
III	4,393,874	3,889,097	2,290,400	601,924	1,003,086	854,033	40,035	109,018	-6,313	504,777	2,941,113	2,436,336
IV	4,584,545	3,935,586	2,312,981	643,715	984,783	758,651	71,068	155,064	-5,893	648,959	3,225,253	2,576,294
<b>2017</b>	<b>17,983,347</b>	<b>15,583,517</b>	<b>9,325,676</b>	<b>2,486,552</b>	<b>3,795,869</b>	<b>3,132,210</b>	<b>184,300</b>	<b>479,359</b>	<b>-24,580</b>	<b>2,399,830</b>	<b>12,095,508</b>	<b>9,695,678</b>
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
<b>2018</b>	<b>18,342,891</b>	<b>16,307,542</b>	<b>9,609,198</b>	<b>2,623,026</b>	<b>3,990,545</b>	<b>3,270,747</b>	<b>213,745</b>	<b>506,053</b>	<b>84,773</b>	<b>2,035,349</b>	<b>12,219,490</b>	<b>10,184,141</b>
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
<b>2019(f)</b>	<b>18,925,767</b>	<b>16,854,042</b>	<b>9,854,275</b>	<b>2,648,517</b>	<b>4,387,544</b>	<b>3,589,871</b>	<b>230,182</b>	<b>567,491</b>	<b>-36,294</b>	<b>2,071,725</b>	<b>12,104,816</b>	<b>10,033,091</b>
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 [1]	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 (p)	4,776,048	4,226,029	2,484,560	631,722	1,130,913	951,413	44,885	134,615	-21,166	550,019	3,127,496	2,577,477
IV (f)	4,974,068	4,351,113	2,509,713	715,076	1,135,587	830,205	100,323	205,059	-9,263	622,955	3,135,626	2,512,671
<b>2020(f)</b>	<b>19,662,211</b>	<b>17,465,948</b>	<b>10,106,477</b>	<b>2,731,097</b>	<b>4,668,390</b>	<b>3,793,427</b>	<b>273,062</b>	<b>601,901</b>	<b>-40,016</b>	<b>2,196,263</b>	<b>12,275,425</b>	<b>10,079,162</b>
I (f)	4,776,393	4,312,671	2,500,764	695,854	1,109,922	964,286	39,953	105,683	6,131	463,722	2,933,537	2,469,815
II (f)	4,795,016	4,259,229	2,488,782	644,430	1,131,815	934,199	61,152	136,464	-5,798	535,787	3,014,480	2,478,693
III (f)	4,949,035	4,382,831	2,544,672	649,012	1,224,866	1,023,646	57,649	143,571	-35,719	566,204	3,139,723	2,573,519
IV (f)	5,141,767	4,511,217	2,572,259	741,801	1,201,787	871,296	114,308	216,183	-4,630	630,550	3,187,685	2,557,135

Note: 1. Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

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					
<b>2012</b>	<b>100.00</b>	<b>92.87</b>	<b>54.61</b>	<b>15.56</b>	<b>22.58</b>	<b>17.67</b>	<b>1.38</b>	<b>3.53</b>	<b>0.11</b>	<b>7.13</b>	<b>79.27</b>	<b>72.13</b>
<b>2013</b>	<b>100.00</b>	<b>91.31</b>	<b>53.98</b>	<b>14.79</b>	<b>22.70</b>	<b>18.10</b>	<b>1.31</b>	<b>3.29</b>	<b>-0.16</b>	<b>8.69</b>	<b>77.63</b>	<b>68.93</b>
<b>2014</b>	<b>100.00</b>	<b>90.00</b>	<b>52.91</b>	<b>14.52</b>	<b>22.33</b>	<b>18.16</b>	<b>1.30</b>	<b>2.87</b>	<b>0.23</b>	<b>10.00</b>	<b>77.25</b>	<b>67.25</b>
<b>2015</b>	<b>100.00</b>	<b>87.11</b>	<b>51.52</b>	<b>13.86</b>	<b>21.48</b>	<b>17.76</b>	<b>1.12</b>	<b>2.60</b>	<b>0.25</b>	<b>12.89</b>	<b>71.28</b>	<b>58.40</b>
<b>2016</b>	<b>100.00</b>	<b>87.51</b>	<b>51.73</b>	<b>14.14</b>	<b>21.69</b>	<b>18.07</b>	<b>1.06</b>	<b>2.55</b>	<b>-0.06</b>	<b>12.49</b>	<b>67.26</b>	<b>54.77</b>
I	100.00	87.86	51.81	15.55	20.77	18.22	0.64	1.91	-0.27	12.14	64.07	51.93
II	100.00	87.90	52.63	13.27	21.67	18.16	1.13	2.38	0.33	12.10	67.51	55.41
III	100.00	88.51	52.13	13.70	22.83	19.44	0.91	2.48	-0.14	11.49	66.94	55.45
IV	100.00	85.84	50.45	14.04	21.48	16.55	1.55	3.38	-0.13	14.16	70.35	56.20
<b>2017</b>	<b>100.00</b>	<b>86.66</b>	<b>51.86</b>	<b>13.83</b>	<b>21.11</b>	<b>17.42</b>	<b>1.02</b>	<b>2.67</b>	<b>-0.14</b>	<b>13.34</b>	<b>67.26</b>	<b>53.91</b>
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
<b>2018</b>	<b>100.00</b>	<b>88.90</b>	<b>52.39</b>	<b>14.30</b>	<b>21.76</b>	<b>17.83</b>	<b>1.17</b>	<b>2.76</b>	<b>0.46</b>	<b>11.10</b>	<b>66.62</b>	<b>55.52</b>
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
<b>2019(f)</b>	<b>100.00</b>	<b>89.05</b>	<b>52.07</b>	<b>13.99</b>	<b>23.18</b>	<b>18.97</b>	<b>1.22</b>	<b>3.00</b>	<b>-0.19</b>	<b>10.95</b>	<b>63.96</b>	<b>53.01</b>
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 [1]	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 (p)	100.00	88.48	52.02	13.23	23.68	19.92	0.94	2.82	-0.44	11.52	65.48	53.97
IV (f)	100.00	87.48	50.46	14.38	22.83	16.69	2.02	4.12	-0.19	12.52	63.04	50.52
<b>2020(f)</b>	<b>100.00</b>	<b>88.83</b>	<b>51.40</b>	<b>13.89</b>	<b>23.74</b>	<b>19.29</b>	<b>1.39</b>	<b>3.06</b>	<b>-0.20</b>	<b>11.17</b>	<b>62.43</b>	<b>51.26</b>
I (f)	100.00	90.29	52.36	14.57	23.24	20.19	0.84	2.21	0.13	9.71	61.42	51.71
II (f)	100.00	88.83	51.90	13.44	23.60	19.48	1.28	2.85	-0.12	11.17	62.87	51.69
III (f)	100.00	88.56	51.42	13.11	24.75	20.68	1.16	2.90	-0.72	11.44	63.44	52.00
IV (f)	100.00	87.74	50.03	14.43	23.37	16.95	2.22	4.20	-0.09	12.26	62.00	49.73

Note:1. Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.



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					
<b>2012</b>	<b>2.22</b>	<b>1.07</b>	<b>1.92</b>	<b>2.36</b>	<b>-1.28</b>	<b>1.38</b>	<b>-7.97</b>	<b>-10.47</b>	--	--	<b>1.90</b>	<b>0.42</b>
<b>2013</b>	<b>2.48</b>	<b>2.47</b>	<b>2.55</b>	<b>-1.36</b>	<b>7.03</b>	<b>9.16</b>	<b>3.81</b>	<b>-2.27</b>	--	--	<b>3.21</b>	<b>3.26</b>
<b>2014</b>	<b>4.72</b>	<b>4.33</b>	<b>3.70</b>	<b>3.78</b>	<b>3.50</b>	<b>5.48</b>	<b>5.20</b>	<b>-8.33</b>	--	--	<b>5.99</b>	<b>5.63</b>
<b>2015</b>	<b>1.47</b>	<b>2.30</b>	<b>2.86</b>	<b>-0.13</b>	<b>2.68</b>	<b>4.28</b>	<b>-7.07</b>	<b>-2.99</b>	--	--	<b>0.36</b>	<b>1.32</b>
<b>2016</b>	<b>2.17</b>	<b>2.58</b>	<b>2.64</b>	<b>3.68</b>	<b>3.44</b>	<b>4.08</b>	<b>-3.89</b>	<b>1.75</b>	--	--	<b>-0.93</b>	<b>-0.99</b>
I	-0.09	2.40	2.88	6.50	1.34	1.83	-4.12	-1.78	--	--	-5.29	-2.92
II	1.69	1.45	2.04	2.21	1.47	2.82	-4.14	-5.39	--	--	-2.21	-3.36
III	3.00	2.97	2.97	3.48	4.60	5.47	-7.53	2.19	--	--	0.18	-0.35
IV	3.92	3.46	2.66	2.83	6.10	6.19	-1.48	8.72	--	--	3.16	2.36
<b>2017</b>	<b>3.31</b>	<b>1.34</b>	<b>2.70</b>	<b>-0.41</b>	<b>-0.26</b>	<b>-1.16</b>	<b>0.51</b>	<b>5.82</b>	--	--	<b>4.50</b>	<b>1.63</b>
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
<b>2018</b>	<b>2.75</b>	<b>3.49</b>	<b>2.04</b>	<b>4.03</b>	<b>2.95</b>	<b>2.25</b>	<b>14.42</b>	<b>3.10</b>	--	--	<b>0.69</b>	<b>1.37</b>
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
<b>2019(f)</b>	<b>2.64</b>	<b>2.17</b>	<b>2.00</b>	<b>0.23</b>	<b>7.78</b>	<b>7.61</b>	<b>5.82</b>	<b>9.71</b>	--	--	<b>0.72</b>	<b>-0.41</b>
I	1.84	2.02	1.75	-3.06	6.55	6.88	4.62	4.29	--	--	0.88	1.02
II [1]	2.60	2.04	1.61	-2.58	11.44	11.44	11.08	11.59	--	--	1.42	0.31
III (p)	2.99	1.68	2.28	3.77	4.32	4.79	-9.67	6.25	--	--	0.33	-2.31
IV (f)	3.04	2.94	2.35	2.38	9.08	7.68	12.06	13.69	--	--	0.30	-0.48
<b>2020(f)</b>	<b>2.72</b>	<b>2.69</b>	<b>2.02</b>	<b>1.92</b>	<b>4.71</b>	<b>4.05</b>	<b>16.91</b>	<b>3.97</b>	--	--	<b>2.69</b>	<b>2.65</b>
I (f)	3.02	2.69	2.19	2.62	4.76	4.31	18.51	4.28	--	--	4.71	4.54
II (f)	2.85	2.71	2.16	1.15	3.47	2.58	16.56	4.41	--	--	2.29	1.94
III (f)	2.65	2.78	1.92	1.64	6.57	5.92	26.69	4.50	--	--	2.39	2.50
IV (f)	2.38	2.59	1.81	2.30	4.02	3.23	12.22	3.21	--	--	1.59	1.71

Note:1. Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

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					
<b>2012</b>	<b>2.22</b>	<b>1.00</b>	<b>1.05</b>	<b>0.36</b>	<b>-0.30</b>	<b>0.24</b>	<b>-0.12</b>	<b>-0.42</b>	<b>-0.11</b>	<b>1.22</b>	<b>1.53</b>	<b>0.31</b>
<b>2013</b>	<b>2.48</b>	<b>2.29</b>	<b>1.40</b>	<b>-0.21</b>	<b>1.59</b>	<b>1.61</b>	<b>0.05</b>	<b>-0.08</b>	<b>-0.48</b>	<b>0.19</b>	<b>2.55</b>	<b>2.35</b>
<b>2014</b>	<b>4.72</b>	<b>3.96</b>	<b>2.00</b>	<b>0.56</b>	<b>0.79</b>	<b>1.00</b>	<b>0.07</b>	<b>-0.27</b>	<b>0.60</b>	<b>0.76</b>	<b>4.65</b>	<b>3.88</b>
<b>2015</b>	<b>1.47</b>	<b>2.07</b>	<b>1.51</b>	<b>-0.02</b>	<b>0.60</b>	<b>0.78</b>	<b>-0.09</b>	<b>-0.09</b>	<b>-0.02</b>	<b>-0.61</b>	<b>0.28</b>	<b>0.89</b>
<b>2016</b>	<b>2.17</b>	<b>2.25</b>	<b>1.36</b>	<b>0.51</b>	<b>0.74</b>	<b>0.74</b>	<b>-0.04</b>	<b>0.05</b>	<b>-0.36</b>	<b>-0.08</b>	<b>-0.66</b>	<b>-0.58</b>
I	-0.09	2.10	1.47	0.87	0.31	0.31	0.00	0.00	-0.55	-2.19	-3.70	-1.51
II	1.69	1.24	1.04	0.31	0.31	0.50	-0.05	-0.14	-0.42	0.45	-1.50	-1.95
III	3.00	2.58	1.53	0.48	0.98	0.99	-0.07	0.06	-0.42	0.42	0.16	-0.26
IV	3.92	3.02	1.39	0.39	1.31	1.12	-0.05	0.25	-0.07	0.90	2.19	1.29
<b>2017</b>	<b>3.31</b>	<b>1.17</b>	<b>1.40</b>	<b>-0.06</b>	<b>-0.06</b>	<b>-0.21</b>	<b>0.01</b>	<b>0.15</b>	<b>-0.11</b>	<b>2.14</b>	<b>3.03</b>	<b>0.89</b>
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
<b>2018</b>	<b>2.75</b>	<b>3.02</b>	<b>1.06</b>	<b>0.56</b>	<b>0.62</b>	<b>0.39</b>	<b>0.15</b>	<b>0.08</b>	<b>0.78</b>	<b>-0.27</b>	<b>0.46</b>	<b>0.74</b>
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
<b>2019(f)</b>	<b>2.64</b>	<b>1.93</b>	<b>1.05</b>	<b>0.03</b>	<b>1.69</b>	<b>1.36</b>	<b>0.07</b>	<b>0.27</b>	<b>-0.84</b>	<b>0.70</b>	<b>0.48</b>	<b>-0.23</b>
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 [1]	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 (p)	2.99	1.50	1.16	0.51	1.02	0.96	-0.10	0.16	-1.20	1.50	0.24	-1.25
IV (f)	3.04	2.54	1.16	0.37	1.93	1.16	0.23	0.53	-0.91	0.51	0.21	-0.30
<b>2020(f)</b>	<b>2.72</b>	<b>2.40</b>	<b>1.05</b>	<b>0.27</b>	<b>1.09</b>	<b>0.77</b>	<b>0.21</b>	<b>0.12</b>	<b>-0.01</b>	<b>0.32</b>	<b>1.72</b>	<b>1.41</b>
I (f)	3.02	2.47	1.20	0.34	1.09	0.88	0.13	0.08	-0.16	0.55	2.99	2.44
II (f)	2.85	2.41	1.13	0.16	0.81	0.51	0.18	0.12	0.31	0.44	1.46	1.03
III (f)	2.65	2.45	0.98	0.23	1.55	1.18	0.24	0.12	-0.31	0.20	1.53	1.33
IV (f)	2.38	2.27	0.91	0.34	0.92	0.51	0.26	0.15	0.10	0.11	1.02	0.90

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

where rX : Chained dollar of component X ; rGDP : real GDP(reference year = 2016) ; Px : Deflators of component X ; P<sub>GDP</sub> : Deflators of GDP.

Note:1. Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

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 Discre- pancy	
			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 [1]	Public Administration and Defence : Compulsory Social Security	Others [2]			
<b>2012</b>	<b>14,677,765</b>	<b>247,313</b>	<b>4,750,525</b>	<b>15,405</b>	<b>4,120,261</b>	<b>133,807</b>	<b>99,245</b>	<b>381,807</b>	<b>9,548,170</b>	<b>2,450,734</b>	<b>423,104</b>	<b>461,419</b>	<b>931,028</b>	<b>1,249,372</b>	<b>1,060,887</b>	<b>2,971,626</b>	<b>131,757</b>
<b>2013</b>	<b>15,270,728</b>	<b>264,418</b>	<b>5,147,629</b>	<b>14,267</b>	<b>4,445,009</b>	<b>199,987</b>	<b>95,333</b>	<b>393,033</b>	<b>9,851,750</b>	<b>2,560,534</b>	<b>429,057</b>	<b>474,026</b>	<b>970,475</b>	<b>1,296,970</b>	<b>1,044,892</b>	<b>3,075,796</b>	<b>6,931</b>
<b>2014</b>	<b>16,258,047</b>	<b>302,781</b>	<b>5,814,180</b>	<b>14,328</b>	<b>5,056,638</b>	<b>238,785</b>	<b>93,974</b>	<b>410,455</b>	<b>10,226,496</b>	<b>2,606,050</b>	<b>468,163</b>	<b>497,915</b>	<b>1,054,084</b>	<b>1,328,010</b>	<b>1,046,496</b>	<b>3,225,778</b>	<b>-85,410</b>
<b>2015</b>	<b>17,055,080</b>	<b>298,855</b>	<b>6,177,658</b>	<b>13,257</b>	<b>5,348,932</b>	<b>303,461</b>	<b>91,682</b>	<b>420,326</b>	<b>10,546,107</b>	<b>2,664,745</b>	<b>516,593</b>	<b>526,127</b>	<b>1,099,345</b>	<b>1,367,956</b>	<b>1,039,481</b>	<b>3,331,860</b>	<b>32,460</b>
<b>2016</b>	<b>17,555,268</b>	<b>327,502</b>	<b>6,472,113</b>	<b>10,818</b>	<b>5,655,706</b>	<b>296,428</b>	<b>98,007</b>	<b>411,154</b>	<b>10,755,653</b>	<b>2,678,007</b>	<b>511,241</b>	<b>549,074</b>	<b>1,124,827</b>	<b>1,399,263</b>	<b>1,050,448</b>	<b>3,442,793</b>	<b>0</b>
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
<b>2017</b>	<b>17,983,347</b>	<b>328,835</b>	<b>6,649,829</b>	<b>10,536</b>	<b>5,873,213</b>	<b>242,766</b>	<b>106,055</b>	<b>417,259</b>	<b>11,076,085</b>	<b>2,781,031</b>	<b>546,338</b>	<b>555,818</b>	<b>1,178,408</b>	<b>1,437,581</b>	<b>1,052,851</b>	<b>3,524,058</b>	<b>-71,402</b>
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
<b>2018</b>	<b>18,342,891</b>	<b>312,562</b>	<b>6,733,819</b>	<b>11,111</b>	<b>5,963,305</b>	<b>209,609</b>	<b>108,453</b>	<b>441,341</b>	<b>11,428,173</b>	<b>2,867,410</b>	<b>547,564</b>	<b>557,541</b>	<b>1,229,002</b>	<b>1,489,190</b>	<b>1,075,029</b>	<b>3,662,437</b>	<b>-131,663</b>
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
<b>2019</b>																	
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 [3]	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 (p)	4,776,048	77,392	1,821,154	2,792	1,589,450	83,609	30,139	115,164	2,871,210	696,157	144,046	143,568	321,980	369,406	256,253	939,800	6,292

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.

(3) Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

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]	
<b>2012</b>	<b>100.00</b>	<b>1.70</b>	<b>32.66</b>	<b>0.11</b>	<b>28.33</b>	<b>0.92</b>	<b>0.68</b>	<b>2.62</b>	<b>65.64</b>	<b>16.85</b>	<b>2.91</b>	<b>3.17</b>	<b>6.40</b>	<b>8.59</b>	<b>7.29</b>	<b>20.43</b>
<b>2013</b>	<b>100.00</b>	<b>1.73</b>	<b>33.72</b>	<b>0.09</b>	<b>29.12</b>	<b>1.31</b>	<b>0.62</b>	<b>2.57</b>	<b>64.54</b>	<b>16.78</b>	<b>2.81</b>	<b>3.11</b>	<b>6.36</b>	<b>8.50</b>	<b>6.85</b>	<b>20.15</b>
<b>2014</b>	<b>100.00</b>	<b>1.85</b>	<b>35.57</b>	<b>0.09</b>	<b>30.94</b>	<b>1.46</b>	<b>0.57</b>	<b>2.51</b>	<b>62.57</b>	<b>15.95</b>	<b>2.86</b>	<b>3.05</b>	<b>6.45</b>	<b>8.13</b>	<b>6.40</b>	<b>19.74</b>
<b>2015</b>	<b>100.00</b>	<b>1.76</b>	<b>36.29</b>	<b>0.08</b>	<b>31.42</b>	<b>1.78</b>	<b>0.54</b>	<b>2.47</b>	<b>61.95</b>	<b>15.65</b>	<b>3.03</b>	<b>3.09</b>	<b>6.46</b>	<b>8.04</b>	<b>6.11</b>	<b>19.57</b>
<b>2016</b>	<b>100.00</b>	<b>1.87</b>	<b>36.87</b>	<b>0.06</b>	<b>32.22</b>	<b>1.69</b>	<b>0.56</b>	<b>2.34</b>	<b>61.27</b>	<b>15.25</b>	<b>2.91</b>	<b>3.13</b>	<b>6.41</b>	<b>7.97</b>	<b>5.98</b>	<b>19.61</b>
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
<b>2017</b>	<b>100.00</b>	<b>1.82</b>	<b>36.83</b>	<b>0.06</b>	<b>32.53</b>	<b>1.34</b>	<b>0.59</b>	<b>2.31</b>	<b>61.35</b>	<b>15.40</b>	<b>3.03</b>	<b>3.08</b>	<b>6.53</b>	<b>7.96</b>	<b>5.83</b>	<b>19.52</b>
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
<b>2018</b>	<b>100.00</b>	<b>1.69</b>	<b>36.45</b>	<b>0.06</b>	<b>32.28</b>	<b>1.13</b>	<b>0.59</b>	<b>2.39</b>	<b>61.86</b>	<b>15.52</b>	<b>2.96</b>	<b>3.02</b>	<b>6.65</b>	<b>8.06</b>	<b>5.82</b>	<b>19.82</b>
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
<b>2019</b>																
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 [4]	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(p)	100.00	1.62	38.18	0.06	33.32	1.75	0.63	2.41	60.20	14.60	3.02	3.01	6.75	7.74	5.37	19.70

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.

(4) Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

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]		
<b>2012</b>	<b>2.22</b>	<b>-3.21</b>	<b>4.64</b>	<b>0.40</b>	<b>5.36</b>	<b>0.70</b>	<b>4.59</b>	<b>-1.44</b>	<b>1.28</b>	<b>1.04</b>	<b>1.35</b>	<b>3.11</b>	<b>1.55</b>	<b>1.83</b>	<b>0.40</b>	<b>1.16</b>
<b>2013</b>	<b>2.48</b>	<b>1.59</b>	<b>3.03</b>	<b>-4.41</b>	<b>3.39</b>	<b>2.44</b>	<b>-1.32</b>	<b>0.84</b>	<b>2.21</b>	<b>1.13</b>	<b>7.17</b>	<b>4.97</b>	<b>3.99</b>	<b>3.02</b>	<b>-0.89</b>	<b>2.16</b>
<b>2014</b>	<b>4.72</b>	<b>2.04</b>	<b>9.27</b>	<b>-4.99</b>	<b>10.52</b>	<b>2.82</b>	<b>1.74</b>	<b>0.78</b>	<b>3.15</b>	<b>3.24</b>	<b>0.52</b>	<b>5.96</b>	<b>7.99</b>	<b>1.91</b>	<b>-0.94</b>	<b>3.38</b>
<b>2015</b>	<b>1.47</b>	<b>-7.72</b>	<b>0.90</b>	<b>-7.11</b>	<b>1.34</b>	<b>-3.54</b>	<b>-2.98</b>	<b>-0.76</b>	<b>1.23</b>	<b>-0.48</b>	<b>-0.73</b>	<b>8.30</b>	<b>4.21</b>	<b>2.06</b>	<b>0.03</b>	<b>0.87</b>
<b>2016</b>	<b>2.17</b>	<b>-9.65</b>	<b>3.74</b>	<b>-10.32</b>	<b>4.05</b>	<b>6.44</b>	<b>1.39</b>	<b>-1.17</b>	<b>1.33</b>	<b>0.21</b>	<b>2.83</b>	<b>6.06</b>	<b>2.27</b>	<b>0.98</b>	<b>-0.03</b>	<b>1.49</b>
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
<b>2017</b>	<b>3.31</b>	<b>8.27</b>	<b>4.75</b>	<b>1.00</b>	<b>5.44</b>	<b>-0.08</b>	<b>3.41</b>	<b>-0.78</b>	<b>2.90</b>	<b>4.33</b>	<b>6.29</b>	<b>3.76</b>	<b>5.19</b>	<b>1.69</b>	<b>0.70</b>	<b>1.55</b>
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
<b>2018</b>	<b>2.75</b>	<b>4.49</b>	<b>3.20</b>	<b>8.09</b>	<b>3.31</b>	<b>2.20</b>	<b>4.31</b>	<b>1.91</b>	<b>2.90</b>	<b>3.29</b>	<b>5.46</b>	<b>4.20</b>	<b>3.79</b>	<b>2.58</b>	<b>0.70</b>	<b>2.48</b>
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
<b>2019</b>																
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 [3]	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 (p)	2.99	-1.67	1.68	2.45	1.86	-0.24	1.37	0.55	2.60	2.99	2.03	5.80	4.83	1.61	1.43	1.87

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.

(3) Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

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]		
<b>2012</b>	<b>2.22</b>	<b>-0.06</b>	<b>1.52</b>	<b>0.00</b>	<b>1.52</b>	<b>0.01</b>	<b>0.03</b>	<b>-0.04</b>	<b>0.84</b>	<b>0.18</b>	<b>0.04</b>	<b>0.10</b>	<b>0.10</b>	<b>0.16</b>	<b>0.03</b>	<b>0.23</b>
<b>2013</b>	<b>2.48</b>	<b>0.03</b>	<b>0.97</b>	<b>0.00</b>	<b>0.94</b>	<b>0.02</b>	<b>-0.01</b>	<b>0.02</b>	<b>1.47</b>	<b>0.19</b>	<b>0.21</b>	<b>0.16</b>	<b>0.26</b>	<b>0.26</b>	<b>-0.06</b>	<b>0.45</b>
<b>2014</b>	<b>4.72</b>	<b>0.04</b>	<b>3.13</b>	<b>0.00</b>	<b>3.06</b>	<b>0.04</b>	<b>0.01</b>	<b>0.02</b>	<b>2.02</b>	<b>0.54</b>	<b>0.01</b>	<b>0.19</b>	<b>0.51</b>	<b>0.16</b>	<b>-0.06</b>	<b>0.67</b>
<b>2015</b>	<b>1.47</b>	<b>-0.14</b>	<b>0.33</b>	<b>-0.01</b>	<b>0.43</b>	<b>-0.05</b>	<b>-0.02</b>	<b>-0.02</b>	<b>0.76</b>	<b>-0.08</b>	<b>-0.02</b>	<b>0.25</b>	<b>0.27</b>	<b>0.17</b>	<b>0.00</b>	<b>0.17</b>
<b>2016</b>	<b>2.17</b>	<b>-0.17</b>	<b>1.36</b>	<b>-0.01</b>	<b>1.28</b>	<b>0.11</b>	<b>0.01</b>	<b>-0.03</b>	<b>0.82</b>	<b>0.03</b>	<b>0.09</b>	<b>0.19</b>	<b>0.15</b>	<b>0.08</b>	<b>0.00</b>	<b>0.28</b>
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
<b>2017</b>	<b>3.31</b>	<b>0.15</b>	<b>1.76</b>	<b>0.00</b>	<b>1.76</b>	<b>0.00</b>	<b>0.02</b>	<b>-0.02</b>	<b>1.77</b>	<b>0.66</b>	<b>0.18</b>	<b>0.12</b>	<b>0.33</b>	<b>0.13</b>	<b>0.04</b>	<b>0.31</b>
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
<b>2018</b>	<b>2.75</b>	<b>0.08</b>	<b>1.18</b>	<b>0.00</b>	<b>1.08</b>	<b>0.03</b>	<b>0.03</b>	<b>0.04</b>	<b>1.78</b>	<b>0.51</b>	<b>0.17</b>	<b>0.13</b>	<b>0.25</b>	<b>0.21</b>	<b>0.04</b>	<b>0.47</b>
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
<b>2019</b>																
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 [3]	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(p)	2.99	0.00	0.61	0.00	0.60	-0.02	0.01	0.02	1.56	0.42	0.06	0.18	0.32	0.12	0.08	0.38

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

(3)Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

Table 5 Gross National Savings and Gross Domestic Investment

Period	Gross National Savings		Gross Domestic Investment		Difference between Savings and Investment			
	Amount	Percent of GNI (Savings Ratio)	Amount	Percent of GNI (Investment Ratio)	Amount	Percent of GNI	Percent of Gross National Savings	Percent of Gross Domestic Investment
	(Million NT\$)	(%)	(Million NT\$)	(%)	(Million NT\$)	(%)	(%)	(%)
<b>2012</b>	<b>4,601,328</b>	<b>30.45</b>	<b>3,330,452</b>	<b>22.04</b>	<b>1,270,876</b>	<b>8.41</b>	<b>27.62</b>	<b>38.16</b>
<b>2013</b>	<b>5,076,461</b>	<b>32.39</b>	<b>3,441,464</b>	<b>21.96</b>	<b>1,634,997</b>	<b>10.43</b>	<b>32.21</b>	<b>47.51</b>
<b>2014</b>	<b>5,735,107</b>	<b>34.35</b>	<b>3,668,439</b>	<b>21.97</b>	<b>2,066,668</b>	<b>12.38</b>	<b>36.04</b>	<b>56.34</b>
<b>2015</b>	<b>6,203,508</b>	<b>35.46</b>	<b>3,706,196</b>	<b>21.18</b>	<b>2,497,312</b>	<b>14.27</b>	<b>40.26</b>	<b>67.38</b>
<b>2016</b>	<b>6,339,620</b>	<b>35.21</b>	<b>3,797,566</b>	<b>21.09</b>	<b>2,542,054</b>	<b>14.12</b>	<b>40.10</b>	<b>66.94</b>
I	1,583,881	35.07	885,216	19.60	698,665	15.47	44.11	78.93
II	1,542,770	35.17	936,687	21.35	606,083	13.82	39.29	64.70
III	1,513,524	34.29	996,773	22.58	516,751	11.71	34.14	51.84
IV	1,699,445	36.24	978,890	20.88	720,555	15.37	42.40	73.61
<b>2017</b>	<b>6,563,940</b>	<b>35.61</b>	<b>3,771,289</b>	<b>20.46</b>	<b>2,792,651</b>	<b>15.15</b>	<b>42.55</b>	<b>74.05</b>
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
<b>2018</b>	<b>6,556,960</b>	<b>34.96</b>	<b>4,075,318</b>	<b>21.73</b>	<b>2,481,642</b>	<b>13.23</b>	<b>37.85</b>	<b>60.89</b>
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
<b>2019(f)</b>	<b>6,769,068</b>	<b>34.84</b>	<b>4,351,250</b>	<b>22.40</b>	<b>2,417,818</b>	<b>12.45</b>	<b>35.72</b>	<b>55.57</b>
I	1,607,607	33.74	1,054,075	22.12	553,532	11.62	34.43	52.51
II [1]	1,628,952	34.26	1,061,104	22.32	567,848	11.94	34.86	53.51
III (p)	1,597,976	33.72	1,109,747	23.42	488,229	10.30	30.55	43.99
IV (f)	1,934,533	37.43	1,126,324	21.79	808,209	15.64	41.78	71.76
<b>2020(f)</b>	<b>7,371,467</b>	<b>36.40</b>	<b>4,628,374</b>	<b>22.86</b>	<b>2,743,093</b>	<b>13.55</b>	<b>37.21</b>	<b>59.27</b>
I (f)	1,789,196	35.79	1,116,053	22.33	673,143	13.47	37.62	60.31
II (f)	1,807,550	36.51	1,126,017	22.74	681,533	13.76	37.70	60.53
III (f)	1,732,316	35.07	1,189,147	24.08	543,169	11.00	31.36	45.68
IV (f)	2,042,405	38.10	1,197,157	22.33	845,248	15.77	41.38	70.60

Note:1. Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

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 (%)	
<b>2012</b>	<b>393,064</b>	<b>0.17</b>	<b>357,596</b>	<b>-0.92</b>	<b>35,468</b>	<b>305,315</b>	<b>-2.20</b>	<b>276,466</b>	<b>-3.78</b>	<b>28,848</b>
<b>2013</b>	<b>399,732</b>	<b>1.70</b>	<b>355,034</b>	<b>-0.72</b>	<b>44,698</b>	<b>310,866</b>	<b>1.82</b>	<b>277,384</b>	<b>0.33</b>	<b>33,481</b>
<b>2014</b>	<b>415,134</b>	<b>3.85</b>	<b>361,454</b>	<b>1.81</b>	<b>53,680</b>	<b>319,413</b>	<b>2.75</b>	<b>281,096</b>	<b>1.34</b>	<b>38,318</b>
<b>2015</b>	<b>383,625</b>	<b>-7.59</b>	<b>314,368</b>	<b>-13.03</b>	<b>69,257</b>	<b>284,434</b>	<b>-10.95</b>	<b>236,380</b>	<b>-15.91</b>	<b>48,053</b>
<b>2016</b>	<b>366,394</b>	<b>-4.49</b>	<b>298,363</b>	<b>-5.09</b>	<b>68,031</b>	<b>279,175</b>	<b>-1.85</b>	<b>229,199</b>	<b>-3.04</b>	<b>49,975</b>
I	83,561	-11.48	67,735	-12.44	15,826	62,337	-12.31	50,150	-14.41	12,187
II	88,597	-8.37	72,722	-9.62	15,875	68,371	-6.47	56,455	-7.90	11,916
III	92,395	-3.33	76,538	-2.73	15,857	71,073	0.18	58,819	-0.66	12,253
IV	101,841	5.04	81,368	4.51	20,473	77,394	11.68	63,776	11.35	13,619
<b>2017</b>	<b>397,263</b>	<b>8.43</b>	<b>318,310</b>	<b>6.69</b>	<b>78,953</b>	<b>315,487</b>	<b>13.01</b>	<b>257,200</b>	<b>12.22</b>	<b>58,287</b>
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
<b>2018</b>	<b>405,344</b>	<b>2.03</b>	<b>337,760</b>	<b>6.11</b>	<b>67,584</b>	<b>334,007</b>	<b>5.87</b>	<b>284,792</b>	<b>10.73</b>	<b>49,216</b>
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
<b>2019(f)</b>	<b>391,414</b>	<b>-3.44</b>	<b>324,391</b>	<b>-3.96</b>	<b>67,023</b>	<b>328,616</b>	<b>-1.61</b>	<b>283,441</b>	<b>-0.47</b>	<b>45,175</b>
I	91,763	-4.12	78,277	-2.31	13,486	75,921	-4.17	66,967	-0.93	8,954
II [1]	96,899	-4.18	81,353	-3.92	15,546	81,343	-2.70	70,340	0.75	11,003
III (p)	100,180	-4.03	82,567	-6.46	17,613	85,014	-0.81	72,211	-3.21	12,804
IV (f)	102,572	-1.49	82,194	-2.95	20,378	86,338	1.01	73,924	1.58	12,414
<b>2020(f)</b>	<b>402,341</b>	<b>2.79</b>	<b>330,356</b>	<b>1.84</b>	<b>71,985</b>	<b>338,876</b>	<b>3.12</b>	<b>289,911</b>	<b>2.28</b>	<b>48,965</b>
I (f)	96,150	4.78	80,951	3.42	15,199	79,048	4.12	69,135	3.24	9,913
II (f)	98,803	1.96	81,242	-0.14	17,561	83,825	3.05	70,999	0.94	12,826
III (f)	102,908	2.72	84,350	2.16	18,558	87,372	2.77	73,841	2.26	13,531
IV (f)	104,480	1.86	83,813	1.97	20,667	88,631	2.66	75,936	2.72	12,695

Note: 1. Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.



Table7-1 Gross Domestic Product and Factor Incomes

At Current Prices

Unit : Million NT\$

Year	GDP	Taxes on Production and Imports Less: Subsidies	Consumption of Fixed Capital	Compensation of Employees	Operating Surplus
2012	14,546,008	778,275	2,481,522	6,657,257	4,628,954
2013	15,263,797	821,201	2,471,945	6,806,932	5,163,719
2014	16,343,457	877,495	2,570,369	7,198,293	5,697,300
2015	17,022,620	902,667	2,601,636	7,516,962	6,001,355
<b>2016</b>	<b>17,555,268</b>	<b>959,290</b>	<b>2,700,956</b>	<b>7,740,858</b>	<b>6,154,164</b>
2017[1]	18,054,749	980,507	2,768,310	8,024,870	6,281,062
2018(p)	18,474,554	1,042,007	2,896,566	8,417,966	6,118,015

Note:1. Comprehensive revisions are carried out and result in revisions that extend back from 2017.

Table7-2 Growth Rates in Gross Domestic Product and Factor Incomes

At Current Prices

Unit : %

Year	GDP	Taxes on Production and Imports Less: Subsidies	Consumption of Fixed Capital	Compensation of Employees	Operating Surplus
2012	1.99	-0.14	3.10	2.91	0.48
2013	4.93	5.52	-0.39	2.25	11.55
2014	7.07	6.86	3.98	5.75	10.33
2015	4.16	2.87	1.22	4.43	5.34
<b>2016</b>	<b>3.13</b>	<b>6.27</b>	<b>3.82</b>	<b>2.98</b>	<b>2.55</b>
2017[1]	2.85	2.21	2.49	3.67	2.06
2018(p)	2.33	6.27	4.63	4.90	-2.60

Note:1. Comprehensive revisions are carried out and result in revisions that extend back from 2017.

Table7-3 Composition of Gross Domestic Product and Factor Incomes

At Current Prices

Unit : %

Year	GDP	Taxes on Production and Imports Less: Subsidies	Consumption of Fixed Capital	Compensation of Employees	Operating Surplus
2012	100.00	5.35	17.06	45.77	31.82
2013	100.00	5.38	16.19	44.60	33.83
2014	100.00	5.37	15.73	44.04	34.86
2015	100.00	5.30	15.28	44.16	35.26
<b>2016</b>	<b>100.00</b>	<b>5.46</b>	<b>15.39</b>	<b>44.09</b>	<b>35.06</b>
2017[1]	100.00	5.43	15.33	44.45	34.79
2018(p)	100.00	5.64	15.68	45.57	33.12

Note:1. Comprehensive revisions are carried out and result in revisions that extend back from 2017.

Table 8 Gross Domestic Product and Gross Fixed Capital Formation of the ICT Industry

Unit : Million NT\$ ; %

Item  Year	Gross Domestic Product of ICT					Gross Fixed Capital Formation of ICT				
	At Current Prices			Chained (2016) Dollars		At Current Prices			Chained (2016) Dollars	
		Rates of Increase	Percentage Distribution of GDP(production approach)		Percent Change from One Year Ago		Rates of Increase	Percentage Distribution of Gross Fixed Capital Formation		Percent Change from One Year Ago
2012	2,235,570	5.59	15.37	2,415,499	10.51	976,597	-5.23	29.47	956,012	-6.03
2013	2,442,377	9.25	16.00	2,501,665	3.57	1,073,907	9.96	30.98	1,087,016	13.70
2014	2,885,625	18.15	17.66	2,867,996	14.64	1,101,322	2.55	30.33	1,098,977	1.10
2015	3,009,896	4.31	17.68	2,983,211	4.02	1,159,293	5.26	31.64	1,174,746	6.89
2016	3,140,174	4.33	17.89	3,140,174	5.26	1,270,737	9.61	33.37	1,270,737	8.17
2017[1]	3,252,641	3.58	18.02	3,341,654	6.42	1,211,248	-4.68	31.91	1,217,869	-4.16
2018(p)	3,240,519	-0.37	17.54	3,482,134	4.20	1,272,636	5.07	31.89	1,253,103	2.89

Explanation: The ICT Industry consists of Electronic Parts and Components Manufacturing, Computers, Electronic and Optical Products Manufacturing, Telecommunications, IT and Other.

Note: 1.Comprehensive revisions are carried out and result in revisions that extend back from 2017.

Table 9-1 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	
<b>2016</b>								
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
<b>2017</b>								
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
<b>2018</b>								
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
<b>2019</b>								
I	4,720,155	4,072,914	2,408,202	630,944	1,033,853	644,708	3,115,606	2,470,898
II [1]	4,761,253	4,098,447	2,419,117	645,247	1,034,085	659,807	3,136,083	2,476,276
III (p)	4,789,789	4,118,149	2,432,640	651,172	1,034,328	667,387	3,128,179	2,460,792
IV (f)	4,854,502	4,171,420	2,448,140	650,107	1,073,163	677,126	3,133,523	2,456,396
<b>2020</b>								
I (f)	4,860,748	4,182,923	2,460,024	649,308	1,073,350	677,418	3,253,615	2,576,197
II (f)	4,889,436	4,209,626	2,471,698	652,137	1,085,425	675,626	3,195,959	2,520,333
III (f)	4,916,043	4,234,699	2,480,736	661,331	1,092,191	676,700	3,204,688	2,527,988
IV (f)	4,978,779	4,276,929	2,491,586	664,274	1,120,210	694,815	3,196,277	2,501,462

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

Note: 1. Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

Table 9-2 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
<b>2016</b>								
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
<b>2017</b>								
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
<b>2018</b>								
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
<b>2019</b>								
I	2.22	1.67	2.49	-2.80	2.61	--	1.62	0.76
II [1]	3.53	2.53	1.83	9.38	0.09	--	2.65	0.87
III (p)	2.42	1.94	2.25	3.72	0.09	--	-1.00	-2.48
IV (f)	5.51	5.28	2.57	-0.65	15.89	--	0.69	-0.71
<b>2020</b>								
I (f)	0.52	1.11	1.96	-0.49	0.07	--	16.23	20.98
II (f)	2.38	2.58	1.91	1.75	4.58	--	-6.90	-8.40
III (f)	2.19	2.40	1.47	5.76	2.52	--	1.10	1.22
IV (f)	5.20	4.05	1.76	1.79	10.66	--	-1.05	-4.13

Note: 1. Comprehensive revisions are carried out and result in revisions that extend back from 2019Q2.

Table 10 Indicators for Private Final Consumption Expenditure

Unit:%

Period	Sales of Trade 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						
<b>2012</b>	<b>1.1</b>	<b>4.7</b>	<b>8.7</b>	<b>-7.0</b>	<b>-23.2</b>	<b>-3.3</b>	<b>6.8</b>	<b>5.6</b>	<b>11.15</b>
<b>2013</b>	<b>0.8</b>	<b>2.5</b>	<b>6.7</b>	<b>0.0</b>	<b>-0.9</b>	<b>3.4</b>	<b>7.9</b>	<b>8.5</b>	<b>11.53</b>
<b>2014</b>	<b>2.8</b>	<b>4.8</b>	<b>8.1</b>	<b>2.8</b>	<b>23.0</b>	<b>12.0</b>	<b>7.2</b>	<b>8.1</b>	<b>11.99</b>
<b>2015</b>	<b>-1.0</b>	<b>3.7</b>	<b>7.8</b>	<b>-1.3</b>	<b>-8.4</b>	<b>-0.7</b>	<b>11.3</b>	<b>7.9</b>	<b>12.51</b>
<b>2016</b>	<b>1.1</b>	<b>4.3</b>	<b>8.7</b>	<b>1.8</b>	<b>-15.7</b>	<b>4.5</b>	<b>10.7</b>	<b>8.5</b>	<b>13.20</b>
<b>2017</b>	<b>0.9</b>	<b>1.2</b>	<b>3.7</b>	<b>3.4</b>	<b>45.1</b>	<b>1.1</b>	<b>7.3</b>	<b>8.3</b>	<b>13.86</b>
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
<b>2018</b>	<b>2.2</b>	<b>3.8</b>	<b>5.4</b>	<b>1.2</b>	<b>19.3</b>	<b>-2.1</b>	<b>6.3</b>	<b>9.9</b>	<b>14.56</b>
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
<b>2019</b>									
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
Jul.	6.7	5.8	4.5	5.6	-14.4	12.5	0.4	19.0	14.94
Aug.	4.5	6.4	5.7	-0.9	-9.8	-8.0	1.5	6.3	14.99
Sep.	2.9	2.2	0.9	1.3	-3.6	6.7	6.1	15.6	15.06

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

Table 11 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 (%)	
<b>2012</b>	<b>-2.4</b>	<b>6.4</b>	<b>10,084</b>	<b>-6.5</b>	<b>341</b>	<b>-7.3</b>	<b>7.3</b>
<b>2013</b>	<b>0.0</b>	<b>6.7</b>	<b>10,708</b>	<b>6.2</b>	<b>361</b>	<b>6.0</b>	<b>1.8</b>
<b>2014</b>	<b>6.9</b>	<b>9.3</b>	<b>11,427</b>	<b>6.7</b>	<b>378</b>	<b>4.6</b>	<b>8.7</b>
<b>2015</b>	<b>1.3</b>	<b>-19.1</b>	<b>11,788</b>	<b>3.2</b>	<b>372</b>	<b>-1.5</b>	<b>-1.0</b>
<b>2016</b>	<b>-2.7</b>	<b>-17.9</b>	<b>13,240</b>	<b>12.3</b>	<b>411</b>	<b>10.5</b>	<b>2.5</b>
<b>2017</b>	<b>5.2</b>	<b>11.6</b>	<b>12,358</b>	<b>-6.7</b>	<b>406</b>	<b>-1.3</b>	<b>5.5</b>
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
<b>2018</b>	<b>8.3</b>	<b>13.1</b>	<b>12,623</b>	<b>2.1</b>	<b>419</b>	<b>3.2</b>	<b>6.9</b>
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
<b>2019</b>							
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
Jul.	11.5	1.6	1,120	-1.8	36	-3.6	10.7
Aug.	6.5	-12.4	1,128	1.3	36	-0.7	11.4
Sep.	2.7	1.1	1,471	24.0	47	22.2	11.0

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



Table 12 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
<b>2012</b>	<b>2.22</b>	—	<b>2.2</b>	—	<b>1.5</b>	—	<b>-0.4</b>	<b>0.4</b>	<b>0.3</b>	<b>1.5</b>	<b>7.9</b>	—	<b>1.7</b>	<b>2.4</b>	—	<b>4.4</b>	—
<b>2013</b>	<b>2.48</b>	—	<b>1.8</b>	—	<b>2.0</b>	—	<b>0.3</b>	<b>0.4</b>	<b>0.6</b>	<b>2.1</b>	<b>7.8</b>	—	<b>3.1</b>	<b>3.2</b>	—	<b>4.8</b>	—
<b>2014</b>	<b>4.72</b>	—	<b>2.5</b>	—	<b>0.4</b>	—	<b>1.7</b>	<b>2.2</b>	<b>1.0</b>	<b>2.6</b>	<b>7.3</b>	—	<b>2.8</b>	<b>3.2</b>	—	<b>3.9</b>	—
<b>2015</b>	<b>1.47</b>	—	<b>2.9</b>	—	<b>1.2</b>	—	<b>2.3</b>	<b>1.7</b>	<b>1.1</b>	<b>2.4</b>	<b>6.9</b>	—	<b>2.4</b>	<b>2.8</b>	—	<b>2.9</b>	—
<b>2016</b>	<b>2.17</b>	—	<b>1.6</b>	—	<b>0.6</b>	—	<b>2.0</b>	<b>2.2</b>	<b>1.1</b>	<b>1.9</b>	<b>6.7</b>	—	<b>2.2</b>	<b>2.9</b>	—	<b>3.0</b>	—
<b>2017</b>	<b>3.31</b>	—	<b>2.4</b>	—	<b>1.9</b>	—	<b>2.6</b>	<b>2.5</b>	<b>2.3</b>	<b>1.9</b>	<b>6.8</b>	—	<b>3.8</b>	<b>3.2</b>	—	<b>3.7</b>	—
I	3.24	4.98	2.1	2.3	1.5	3.4	2.4	2.3	1.4	2.2	6.8	6.1	4.4	3.1	3.6	3.7	1.2
II	2.64	2.50	2.2	2.2	1.7	1.9	2.6	2.3	2.4	1.9	6.8	7.4	4.0	2.8	2.0	3.0	1.5
III	3.61	4.91	2.4	3.2	2.2	2.9	2.9	3.0	2.8	1.8	6.7	7.0	3.6	3.9	6.1	4.6	8.3
IV	3.71	2.25	2.8	3.5	2.4	1.2	2.8	3.4	3.0	1.6	6.7	6.1	3.5	2.8	-0.4	3.6	3.6
<b>2018</b>	<b>2.75</b>	—	<b>2.9</b>	—	<b>0.8</b>	—	<b>2.0</b>	<b>1.5</b>	<b>1.7</b>	<b>1.4</b>	<b>6.6</b>	—	<b>3.0</b>	<b>2.7</b>	—	<b>3.1</b>	—
I	3.23	4.30	2.9	2.5	1.3	-0.6	2.4	2.3	2.4	1.1	6.8	6.1	4.6	2.8	4.1	4.6	4.9
II	3.40	1.04	3.2	3.5	1.5	2.2	2.2	2.1	1.9	1.3	6.7	7.0	3.6	2.9	2.4	4.2	0.7
III	2.47	0.74	3.1	2.9	0.1	-2.0	1.8	1.1	1.5	1.6	6.5	6.6	2.8	2.1	2.0	2.6	0.8
IV	1.97	3.29	2.5	1.1	0.3	1.5	1.5	0.6	1.2	1.5	6.4	6.1	1.2	2.9	3.6	1.3	-0.8
<b>2019</b>																	
I	1.84	2.22	2.7	3.1	0.9	2.0	1.7	1.0	1.3	2.1	6.4	5.7	0.6	1.7	-1.6	1.1	3.6
II	2.60	3.53	2.3	2.0	0.9	1.8	1.4	0.3	1.4	1.3	6.2	6.6	0.4	2.0	4.1	0.2	-2.7
III	2.99	2.42	2.1	2.1	1.3	0.2	1.3	0.5	1.3	1.0	6.0	6.1	-2.9	2.0	1.6	0.5	2.1

Source: 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 13 The Changes of Consumer Price Indices for Major Countries

Period	Unit:%																			
	ROC(Taiwan)		US		Japan		China		South Korea		Singapore		HK		Indonesia		Germany		Philippines	
		Food		Food		Food		Food		Food		Food		Food		Food		Food		Food
<b>2012</b>	<b>1.93</b>	<b>4.17</b>	<b>2.1</b>	<b>2.6</b>	<b>-0.1</b>	<b>0.1</b>	<b>2.6</b>	<b>4.8</b>	<b>2.2</b>	<b>4.0</b>	<b>4.6</b>	<b>2.3</b>	<b>4.1</b>	<b>5.8</b>	<b>4.3</b>	<b>5.9</b>	<b>2.0</b>	<b>3.4</b>	<b>3.0</b>	<b>...</b>
<b>2013</b>	<b>0.79</b>	<b>1.25</b>	<b>1.5</b>	<b>1.4</b>	<b>0.3</b>	<b>-0.1</b>	<b>2.6</b>	<b>4.7</b>	<b>1.3</b>	<b>0.9</b>	<b>2.4</b>	<b>2.1</b>	<b>4.3</b>	<b>4.4</b>	<b>6.4</b>	<b>11.9</b>	<b>1.5</b>	<b>3.8</b>	<b>2.6</b>	<b>2.5</b>
<b>2014</b>	<b>1.20</b>	<b>3.75</b>	<b>1.6</b>	<b>2.4</b>	<b>2.8</b>	<b>3.8</b>	<b>1.9</b>	<b>3.1</b>	<b>1.3</b>	<b>0.3</b>	<b>1.0</b>	<b>2.9</b>	<b>4.4</b>	<b>4.1</b>	<b>6.4</b>	<b>6.8</b>	<b>0.9</b>	<b>1.1</b>	<b>3.6</b>	<b>5.9</b>
<b>2015</b>	<b>-0.30</b>	<b>3.13</b>	<b>0.1</b>	<b>1.9</b>	<b>0.8</b>	<b>3.1</b>	<b>1.4</b>	<b>2.3</b>	<b>0.7</b>	<b>1.6</b>	<b>-0.5</b>	<b>1.9</b>	<b>3.0</b>	<b>4.0</b>	<b>6.4</b>	<b>7.2</b>	<b>0.5</b>	<b>0.6</b>	<b>0.7</b>	<b>1.8</b>
<b>2016</b>	<b>1.39</b>	<b>5.23</b>	<b>1.3</b>	<b>0.3</b>	<b>-0.1</b>	<b>1.7</b>	<b>2.0</b>	<b>3.8</b>	<b>1.0</b>	<b>2.3</b>	<b>-0.5</b>	<b>2.1</b>	<b>2.4</b>	<b>3.4</b>	<b>3.5</b>	<b>7.2</b>	<b>0.5</b>	<b>0.8</b>	<b>1.3</b>	<b>1.6</b>
<b>2017</b>	<b>0.62</b>	<b>-0.37</b>	<b>2.1</b>	<b>0.9</b>	<b>0.5</b>	<b>0.7</b>	<b>1.6</b>	<b>-0.4</b>	<b>1.9</b>	<b>3.4</b>	<b>0.6</b>	<b>1.4</b>	<b>1.5</b>	<b>2.2</b>	<b>3.8</b>	<b>2.1</b>	<b>1.5</b>	<b>2.8</b>	<b>2.9</b>	<b>3.0</b>
<b>2018</b>	<b>1.35</b>	<b>0.99</b>	<b>2.4</b>	<b>1.4</b>	<b>1.0</b>	<b>1.4</b>	<b>2.1</b>	<b>1.9</b>	<b>1.5</b>	<b>2.8</b>	<b>0.4</b>	<b>1.4</b>	<b>2.4</b>	<b>3.4</b>	<b>3.2</b>	<b>4.2</b>	<b>1.7</b>	<b>2.3</b>	<b>5.2</b>	<b>6.8</b>
Sep.	1.72	2.47	2.3	1.4	1.2	1.8	2.4	3.0	2.1	5.8	0.7	1.6	2.7	3.6	2.9	3.8	1.9	2.8	6.7	9.7
Oct.	1.16	1.49	2.5	1.2	1.4	2.4	2.5	2.9	2.0	5.7	0.7	1.4	2.7	3.1	3.2	4.4	2.3	1.8	6.7	9.4
Nov.	0.29	-0.46	2.2	1.4	0.9	0.5	2.1	2.5	2.0	5.3	0.3	1.4	2.6	3.0	3.2	4.3	2.1	1.5	6.0	8.0
Dec.	-0.06	-0.62	1.9	1.6	0.3	-1.1	1.9	2.4	1.3	4.2	0.5	1.4	2.6	2.9	3.1	3.4	1.6	1.0	5.1	6.7
<b>2019Jan. ~ Oct.</b>	<b>0.50</b>	<b>1.80</b>	<b>1.7</b>	<b>1.9</b>	<b>0.4</b>	<b>0.2</b>	<b>2.6</b>	<b>5.7</b>	<b>0.4</b>	<b>0.1</b>	<b>0.5</b>	<b>1.5</b>	<b>2.9</b>	<b>4.6</b>	<b>3.1</b>	<b>3.6</b>	<b>1.4</b>	<b>1.0</b>	<b>2.6</b>	<b>2.3</b>
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.	0.43	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.	0.39	1.65	1.8	2.1	0.2	0.9	3.8	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

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 14 Summary of Earning and Productivity Statistics in Taiwan Area

Year and month	Employees on payrolls			Industry & services											
	Industry & services (Thousand person)	Industry (Thousand person)	Services (Thousand person)	Accessions		Separations		Monthly working hours of each employee			Total monthly earnings of each employee				
				(Thousand person)	(% )	(Thousand person)	(% )	(hour)	Overtime		Regular earnings			Overtime pay	
									(hour)	Changes (hour)	(NT\$)	(NT\$)	Annual growth rate (%)	(NT\$)	Annual growth rate (%)
<b>2012</b>	<b>7,075</b>	<b>3,138</b>	<b>3,937</b>	<b>165</b>	<b>2.34</b>	<b>155</b>	<b>2.20</b>	<b>178.4</b>	<b>8.0</b>	<b>-0.4</b>	<b>46,109</b>	<b>37,193</b>	<b>1.25</b>	<b>1,399</b>	<b>-1.55</b>
<b>2013</b>	<b>7,204</b>	<b>3,172</b>	<b>4,032</b>	<b>172</b>	<b>2.40</b>	<b>160</b>	<b>2.22</b>	<b>177.1</b>	<b>8.5</b>	<b>0.5</b>	<b>46,174</b>	<b>37,552</b>	<b>0.97</b>	<b>1,506</b>	<b>7.65</b>
<b>2014</b>	<b>7,381</b>	<b>3,238</b>	<b>4,144</b>	<b>188</b>	<b>2.56</b>	<b>173</b>	<b>2.35</b>	<b>177.9</b>	<b>8.6</b>	<b>0.1</b>	<b>47,832</b>	<b>38,218</b>	<b>1.77</b>	<b>1,556</b>	<b>3.32</b>
<b>2015</b>	<b>7,532</b>	<b>3,279</b>	<b>4,253</b>	<b>177</b>	<b>2.36</b>	<b>167</b>	<b>2.22</b>	<b>175.3</b>	<b>8.3</b>	<b>-0.3</b>	<b>49,024</b>	<b>38,712</b>	<b>1.29</b>	<b>1,562</b>	<b>0.39</b>
<b>2016</b>	<b>7,637</b>	<b>3,294</b>	<b>4,343</b>	<b>174</b>	<b>2.29</b>	<b>165</b>	<b>2.17</b>	<b>169.6</b>	<b>8.5</b>	<b>0.2</b>	<b>49,266</b>	<b>39,213</b>	<b>1.29</b>	<b>1,656</b>	<b>6.02</b>
<b>2017</b>	<b>7,769</b>	<b>3,337</b>	<b>4,432</b>	<b>182</b>	<b>2.35</b>	<b>171</b>	<b>2.20</b>	<b>169.6</b>	<b>8.0</b>	<b>-0.5</b>	<b>50,480</b>	<b>39,928</b>	<b>1.82</b>	<b>1,724</b>	<b>4.11</b>
<b>2018</b>	<b>7,877</b>	<b>3,376</b>	<b>4,500</b>	<b>186</b>	<b>2.37</b>	<b>178</b>	<b>2.26</b>	<b>169.4</b>	<b>8.1</b>	<b>0.1</b>	<b>52,407</b>	<b>40,959</b>	<b>2.58</b>	<b>1,820</b>	<b>5.57</b>
Aug.	7,908	3,388	4,520	222	2.81	214	2.71	181.6	8.1	0.1	49,714	41,220	2.97	1,835	6.44
Sep.	7,900	3,382	4,518	209	2.64	216	2.74	159.4	8.2	0.4	48,102	41,139	2.63	1,863	11.09
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
<b>2019Jan. ~ Sep.</b>	<b>7,952</b>	<b>3,392</b>	<b>4,561</b>	<b>193</b>	<b>2.43</b>	<b>186</b>	<b>2.34</b>	<b>166.9</b>	<b>7.8</b>	<b>-0.3</b>	<b>54,946</b>	<b>41,766</b>	<b>2.24</b>	<b>1,815</b>	<b>-0.11</b>
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.	7,991	3,397	4,594	209	2.62	212	2.65	163.1	7.7	-0.5	48,984	41,845	1.72	1,826	-1.99
The change compared with the last month(value)	-3	-3	0	-11	-0.13	-4	-0.05	-12.1	0.0		-1,972	-257		25	
The change compared with the same month of last year(value)	91	15	76	0	-0.02	-4	-0.09	3.7	-0.5		882	706		-37	
The change compared with the same period (Jan. ~ Sep.) of last year(value)	91	21	71	-1	-0.04	-1	-0.05	-0.5	-0.3		1,030	916		-2	
The change compared with the last month(rate)	-0.04	-0.10	0.01	-4.86		-1.79		-6.91	0.00		-3.87	-0.61		1.39	
The change compared with the same month of last year(rate)	1.15	0.42	1.69	0.04		-2.00		2.32	-6.10		1.83	1.72		-1.99	
The change compared with the same period (Jan. ~ Sep.) of last year(rate)	1.16	0.61	1.58	-0.56		-0.46		-0.30	-3.70		1.91	2.24		-0.11	

- 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).