

GDP: Preliminary Estimate for 2016Q4 and Outlook for 2017

February 15, 2017 Taiwan's real gross domestic product (GDP) grew by 2.88% from the same quarter of the previous year in 2016Q4, according to the latest preliminary estimate. For the whole 2016, the economic growth rate was 1.50%. Meanwhile, the real GDP is projected to grow by 1.92% in 2017.

Preliminary Estimate of Real GDP in 2016Q4 and 2016

The real GDP increased by 1.82% on a quarter-on-quarter, seasonally-adjusted annualized basis(saar), and grew by 2.88% on a year-on-year basis(yoy) in 2016Q4, 0.30 percentage point higher than the advance estimate.

Meanwhile, the economic growth rate of 2016Q3 have been revised to 2.12% (formerly 2.03%). For the whole 2016, real GDP grew by 1.50%.

On the demand side, real private final consumption grew by 1.62%(yoy) in 2016Q4, mainly reflecting the increase of consumption on transport, restaurants-and-hotels and miscellaneous-goods-and-services.

Real gross capital formation expanded by 8.13%(yoy), following the 3.05% growth in the previous quarter, mainly due to an increase in machinery & other equipment and transport equipment investment.

Meanwhile, real exports of goods and services grew by 8.02%(yoy), which was mainly driven by the foreign demand for parts of electronic product. Imports also increased by 9.58%(yoy).

On the production side, the manufacturing sector was the main driver, which grew by 6.16%(yoy) in 2016Q4, following the 5.16% growth in the previous quarter, mainly due to the output expansion of semiconductor, basic metal and chemical material products.

The wholesale & retail trade sector and the transportation & storage sector increased by 3.36%(yoy) and 8.59% respectively, faster than the 1.58% and 5.59% growth in the previous quarter.

Outlook for 2017

Global economy and world trade volume are expected to expand at a faster path in 2017. Moreover, the emerging demand of new smart applications, such as IOT, high-performance computing and automotive electronics, are helpful to maintain the growth momentum of Taiwan's goods exports. Coupling with services exports, real exports of goods and services will grow by 4.01%.

Real private fixed capital formation will grow by 1.85%, supported by the continuing

investment of semiconductor industry and government's strategies to improve investment environment and to encourage innovative industries, offsetting the influences of declining housing market and the relative high base of 2016.

Real private consumption will grow moderately by 1.75%. The improved Taiwan's economy and the continuance of government's tax reduction policy are beneficial to the expansion of consumption expenditures; however, the higher inflation rate may hurt people's purchasing power.

Combining with public sector, Taiwan's real GDP is predicted to grow by 1.92% in 2017 and has been revised upward 0.05 percentage point.

CPI will increase by 1.08% and has been revised upward 0.33 percentage point, mainly reflecting the surging oil prices.

For further information:

Statistics Database:

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

DGBAS news releases on the Internet:

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Next release – Not Later than April 28, 2017 for:

Gross Domestic Products of 2017Q1 (Advance Estimate)

Table 1-1 Gross Domestic Product and Economic Growth Rate

Period	Nominal GDP (At Current Prices)		Real GDP (Chained (2011) dollars)		Economic Growth Rate (%)		
	Original Series (Million NT\$)	Seasonally Adjusted (Million NT\$)	Original Series (Million NT\$)	Seasonally Adjusted (Million NT\$)	yoy	saqr	saar
2006	12,640,803	—	11,803,335	—	5.62	—	—
2007	13,407,062	—	12,572,550	—	6.52	—	—
2008	13,150,950	—	12,661,079	—	0.70	—	—
2009	12,961,656	—	12,462,729	—	-1.57	—	—
2010	14,119,213	—	13,787,642	—	10.63	—	—
2011	14,312,200	—	14,312,200	—	3.80	—	—
2012	14,686,917	—	14,607,569	—	2.06	—	—
2013	15,230,739	—	14,929,292	—	2.20	—	—
2014	16,111,867	—	15,529,606	—	4.02	—	—
I	3,862,258	3,863,397	3,649,110	3,820,078	3.84	0.59	2.37
II	3,925,676	4,004,317	3,824,353	3,867,558	4.31	1.24	5.07
III	4,093,475	4,081,926	3,981,949	3,911,134	4.39	1.13	4.58
IV	4,230,458	4,162,227	4,074,194	3,930,836	3.56	0.50	2.03
2015	16,759,016	—	15,641,351	—	0.72	—	—
I	4,198,871	4,200,845	3,795,452	3,962,345	4.01	0.80	3.25
II	4,068,742	4,160,659	3,849,722	3,892,977	0.66	-1.75	-6.82
III	4,209,316	4,186,594	3,954,060	3,892,676	-0.70	-0.01	-0.03
IV	4,282,087	4,210,918	4,042,117	3,893,353	-0.79	0.02	0.07
2016(p)	17,111,263	—	15,876,398	—	1.50	—	—
I	4,260,531	4,252,412	3,786,618	3,939,010	-0.23	1.17	4.77
II	4,146,530	4,262,225	3,893,377	3,947,266	1.13	0.21	0.84
III(r)	4,288,301	4,267,110	4,037,876	3,986,074	2.12	0.98	3.99
IV(p)	4,415,901	4,329,516	4,158,527	4,004,048	2.88	0.45	1.82
2017(f)	17,461,748	—	16,181,699	—	1.92	—	—
I (f)	4,344,708	4,331,251	3,879,323	4,029,536	2.45	0.64	2.57
II (f)	4,235,096	4,353,428	3,982,691	4,041,124	2.29	0.29	1.16
III (f)	4,395,496	4,378,425	4,098,830	4,044,796	1.51	0.09	0.36
IV (f)	4,486,448	4,398,644	4,220,855	4,066,243	1.50	0.53	2.14

Note : 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 (2011) dollars		(At Current Prices)		At Current Prices		Chained (2011) 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 (%)
2006	12,640,803	4.54	388,589	11,803,335	5.62	12,952,502	398,171	11,117,367	341,757	11,601,475	2.77
2007	13,407,062	6.06	408,254	12,572,550	6.52	13,739,828	418,387	11,590,959	352,952	12,034,434	3.73
2008	13,150,950	-1.91	416,961	12,661,079	0.70	13,465,596	426,937	11,161,869	353,896	11,203,683	-6.90
2009	12,961,656	-1.44	392,065	12,462,729	-1.57	13,375,650	404,587	10,985,329	332,285	11,182,646	-0.19
2010	14,119,213	8.93	446,105	13,787,642	10.63	14,548,852	459,679	12,194,428	385,290	12,343,643	10.38
2011	14,312,200	1.37	485,653	14,312,200	3.80	14,700,572	498,832	12,290,671	417,057	12,290,671	-0.43
2012	14,686,917	2.62	495,845	14,607,569	2.06	15,141,108	511,179	12,493,108	421,779	12,490,438	1.63
2013	15,230,739	3.70	511,614	14,929,292	2.20	15,654,588	525,851	13,115,430	440,559	12,955,284	3.72
2014	16,111,867	5.79	530,519	15,529,606	4.02	16,582,405	546,013	14,018,941	461,605	13,793,650	6.47
I	3,862,258	4.89	127,218	3,649,110	3.84	4,032,903	132,835	3,415,643	112,496	3,287,974	5.62
II	3,925,676	5.88	130,165	3,824,353	4.31	4,046,532	134,168	3,438,294	113,993	3,384,675	7.04
III	4,093,475	5.97	136,180	3,981,949	4.39	4,191,514	139,437	3,559,459	118,403	3,487,907	6.33
IV	4,230,458	6.36	136,956	4,074,194	3.56	4,311,456	139,573	3,605,545	116,713	3,633,094	6.85
2015	16,759,016	4.02	525,196	15,641,351	0.72	17,317,917	542,711	14,629,941	458,475	14,595,648	5.81
I	4,198,871	8.72	132,905	3,795,452	4.01	4,381,081	138,685	3,692,358	116,877	3,602,987	9.58
II	4,068,742	3.64	131,279	3,849,722	0.66	4,153,657	134,031	3,529,420	113,882	3,547,956	4.82
III	4,209,316	2.83	130,671	3,954,060	-0.70	4,336,906	134,644	3,660,081	113,625	3,660,506	4.95
IV	4,282,087	1.22	130,341	4,042,117	-0.79	4,446,273	135,351	3,748,082	114,091	3,784,199	4.16
2016(p)	17,111,263	2.10	529,676	15,876,398	1.50	17,716,581	548,365	14,926,870	462,031	14,857,773	1.80
I	4,260,531	1.47	127,752	3,786,618	-0.23	4,456,495	133,628	3,745,083	112,296	3,628,185	0.70
II	4,146,530	1.91	127,822	3,893,377	1.13	4,261,736	131,373	3,594,837	110,815	3,587,477	1.11
III(r)	4,288,301	1.88	135,150	4,037,876	2.12	4,431,839	139,673	3,756,254	118,382	3,753,523	2.54
IV(p)	4,415,901	3.12	138,952	4,158,527	2.88	4,566,511	143,691	3,830,696	120,538	3,888,588	2.76

Note : 1. GNI=GDP+Net Factor Income from the Rest of the World+Gain or Loss Resulting from Changes in the Terms of Trade.

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		
2006	-1.03	0.60	1.10	3.18	1.87	6.23	0.60	5.63
2007	-0.43	1.16	1.43	3.44	1.79	6.10	1.80	6.47
2008	-2.60	2.60	2.03	6.93	-1.81	7.65	3.52	5.14
2009	0.13	-1.17	0.02	-0.56	-7.41	-9.99	-0.86	-8.73
2010	-1.54	0.70	1.03	1.24	1.80	5.46	0.96	5.46
2011	-2.34	0.88	1.31	1.49	-0.14	5.39	1.42	4.32
2012	0.54	1.19	1.80	0.70	-1.12	-0.39	1.93	-1.16
2013	1.47	0.31	0.27	-2.24	-1.18	-3.83	0.79	-2.43
2014	1.70	0.67	0.77	1.33	0.48	-1.30	1.20	-0.57
I	1.01	0.46	0.22	1.00	0.57	-0.76	0.80	0.07
II	1.50	1.10	0.26	1.91	0.89	0.17	1.63	0.68
III	1.51	1.09	1.19	1.60	0.12	-0.70	1.51	0.01
IV	2.71	0.02	1.32	0.79	0.42	-3.82	0.84	-3.02
2015	3.28	-0.66	0.22	-1.64	-3.91	-11.14	-0.31	-8.84
I	4.53	-0.65	1.47	-0.13	-3.03	-11.51	-0.59	-8.51
II	2.96	-1.17	0.37	-2.27	-5.02	-12.45	-0.70	-9.41
III	3.56	-0.90	-0.17	-2.32	-3.72	-11.70	-0.26	-9.47
IV	2.02	0.10	-0.29	-1.74	-3.99	-8.90	0.33	-7.99
2016(p)	0.59	0.81	1.24	0.17	-2.31	-2.63	1.40	-2.97
I	1.71	0.80	0.64	-0.81	-2.46	-5.32	1.75	-4.99
II	0.77	0.97	1.88	0.98	-2.02	-2.05	1.34	-3.27
III (r)	-0.24	0.44	1.01	0.52	-3.24	-2.43	0.71	-3.42
IV (p)	0.24	1.05	0.91	0.10	-1.26	-0.72	1.79	-0.11
2017(f)	0.12	0.78	0.25	0.65	0.33	1.20	1.08	1.53
I (f)	-0.46	0.83	0.33	0.78	-1.02	0.73	1.07	1.54
II (f)	-0.15	0.85	0.01	0.21	0.10	1.44	1.17	1.30
III (f)	0.98	0.90	0.45	0.78	1.53	1.17	1.46	2.34
IV (f)	0.09	0.52	0.59	0.76	0.45	1.40	0.61	0.97

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					
2006	12,640,803	11,912,806	6,947,802	1,854,009	3,063,352	2,380,410	200,699	482,243	47,643	727,997	8,316,084	7,588,087
2007	13,407,062	12,341,473	7,197,916	1,922,075	3,205,121	2,501,225	209,930	493,966	16,361	1,065,589	9,349,494	8,283,905
2008	13,150,950	12,468,377	7,260,169	1,991,181	3,045,433	2,284,331	217,618	543,484	171,594	682,573	9,230,775	8,548,202
2009	12,961,656	11,811,481	7,175,511	2,055,721	2,761,737	1,935,945	231,018	594,774	-181,488	1,150,175	7,827,336	6,677,161
2010	14,119,213	13,121,044	7,497,682	2,098,717	3,335,881	2,496,978	249,845	589,058	188,764	998,169	10,013,538	9,015,369
2011	14,312,200	13,349,437	7,798,976	2,167,595	3,346,945	2,558,491	219,898	568,556	35,921	962,763	10,419,700	9,456,937
2012	14,686,917	13,593,547	8,035,105	2,254,282	3,282,131	2,567,030	204,125	510,976	22,029	1,093,370	10,345,375	9,252,005
2013	15,230,739	13,851,218	8,248,385	2,242,637	3,378,731	2,685,854	200,417	492,460	-18,535	1,379,521	10,579,884	9,200,363
2014	16,111,867	14,452,652	8,588,741	2,342,754	3,493,834	2,820,686	210,978	462,170	27,323	1,659,215	11,254,123	9,594,908
I	3,862,258	3,590,340	2,107,295	630,082	853,475	726,421	40,638	86,416	-512	271,918	2,604,689	2,332,771
II	3,925,676	3,509,609	2,116,628	531,122	866,823	714,690	41,224	110,909	-4,964	416,067	2,842,811	2,426,744
III	4,093,475	3,691,508	2,204,041	569,578	893,597	730,532	46,409	116,656	24,292	401,967	2,875,076	2,473,109
IV	4,230,458	3,661,195	2,160,777	611,972	879,939	649,043	82,707	148,189	8,507	569,263	2,931,547	2,362,284
2015	16,759,016	14,610,646	8,760,745	2,341,751	3,492,847	2,861,521	190,837	440,489	15,303	2,148,370	10,776,380	8,628,010
I	4,198,871	3,638,314	2,167,479	620,372	850,171	737,378	28,550	84,243	292	560,557	2,680,752	2,120,195
II	4,068,742	3,588,302	2,167,738	537,290	855,046	698,783	48,268	107,995	28,228	480,440	2,666,826	2,186,386
III	4,209,316	3,685,271	2,210,439	569,475	905,919	758,620	42,396	104,903	-562	524,045	2,687,183	2,163,138
IV	4,282,087	3,698,759	2,215,089	614,614	881,711	666,740	71,623	143,348	-12,655	583,328	2,741,619	2,158,291
2016(p)	17,111,263	15,046,483	9,021,010	2,443,098	3,593,863	2,959,765	188,687	445,411	-11,488	2,064,780	10,751,246	8,686,466
I	4,260,531	3,726,919	2,242,546	663,940	842,323	733,669	27,224	81,430	-21,890	533,612	2,513,333	1,979,721
II	4,146,530	3,663,733	2,223,608	558,501	864,764	714,398	48,425	101,941	16,860	482,797	2,618,303	2,135,506
III (r)	4,288,301	3,816,293	2,280,207	594,576	944,003	794,678	40,109	109,216	-2,493	472,008	2,695,350	2,223,342
IV (p)	4,415,901	3,839,538	2,274,649	626,081	942,773	717,020	72,929	152,824	-3,965	576,363	2,924,260	2,347,897
2017(f)	17,461,748	15,391,088	9,249,978	2,457,405	3,682,157	3,034,083	194,106	453,968	1,548	2,070,660	11,218,514	9,147,854
I (f)	4,344,708	3,834,249	2,299,147	654,715	875,116	763,317	28,041	83,758	5,271	510,459	2,680,540	2,170,081
II (f)	4,235,096	3,739,165	2,281,977	562,334	891,121	736,234	49,636	105,251	3,733	495,931	2,781,211	2,285,280
III (f)	4,395,496	3,889,350	2,340,992	596,140	961,353	808,823	41,312	111,218	-9,135	506,146	2,826,450	2,320,304
IV (f)	4,486,448	3,928,324	2,327,862	644,216	954,567	725,709	75,117	153,741	1,679	558,124	2,930,313	2,372,189

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

Unit:%

Period	Total	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					
2006	100.00	94.24	54.96	14.67	24.23	18.83	1.59	3.81	0.38	5.76	65.79	60.03
2007	100.00	92.05	53.69	14.34	23.91	18.66	1.57	3.68	0.12	7.95	69.74	61.79
2008	100.00	94.81	55.21	15.14	23.16	17.37	1.65	4.13	1.30	5.19	70.19	65.00
2009	100.00	91.13	55.36	15.86	21.31	14.94	1.78	4.59	-1.40	8.87	60.39	51.51
2010	100.00	92.93	53.10	14.86	23.63	17.68	1.77	4.17	1.34	7.07	70.92	63.85
2011	100.00	93.27	54.49	15.15	23.39	17.88	1.54	3.97	0.25	6.73	72.80	66.08
2012	100.00	92.56	54.71	15.35	22.35	17.48	1.39	3.48	0.15	7.44	70.44	62.99
2013	100.00	90.94	54.16	14.72	22.18	17.63	1.32	3.23	-0.12	9.06	69.46	60.41
2014	100.00	89.70	53.31	14.54	21.68	17.51	1.31	2.87	0.17	10.30	69.85	59.55
I	100.00	92.96	54.56	16.31	22.10	18.81	1.05	2.24	-0.01	7.04	67.44	60.40
II	100.00	89.40	53.92	13.53	22.08	18.21	1.05	2.83	-0.13	10.60	72.42	61.82
III	100.00	90.18	53.84	13.91	21.83	17.85	1.13	2.85	0.59	9.82	70.24	60.42
IV	100.00	86.54	51.08	14.47	20.80	15.34	1.96	3.50	0.20	13.46	69.30	55.84
2015	100.00	87.18	52.27	13.97	20.84	17.07	1.14	2.63	0.09	12.82	64.30	51.48
I	100.00	86.65	51.62	14.77	20.25	17.56	0.68	2.01	0.01	13.35	63.84	50.49
II	100.00	88.19	53.28	13.21	21.01	17.17	1.19	2.65	0.69	11.81	65.54	53.74
III	100.00	87.55	52.51	13.53	21.52	18.02	1.01	2.49	-0.01	12.45	63.84	51.39
IV	100.00	86.38	51.73	14.35	20.59	15.57	1.67	3.35	-0.30	13.62	64.03	50.40
2016(p)	100.00	87.93	52.72	14.28	21.00	17.30	1.10	2.60	-0.07	12.07	62.83	50.76
I	100.00	87.48	52.64	15.58	19.77	17.22	0.64	1.91	-0.51	12.52	58.99	46.47
II	100.00	88.36	53.63	13.47	20.86	17.23	1.17	2.46	0.41	11.64	63.14	51.50
III(r)	100.00	88.99	53.17	13.87	22.01	18.53	0.94	2.55	-0.06	11.01	62.85	51.85
IV(p)	100.00	86.95	51.51	14.18	21.35	16.24	1.65	3.46	-0.09	13.05	66.22	53.17
2017(f)	100.00	88.14	52.97	14.07	21.09	17.38	1.11	2.60	0.01	11.86	64.25	52.39
I (f)	100.00	88.25	52.92	15.07	20.14	17.57	0.65	1.93	0.12	11.75	61.70	49.95
II (f)	100.00	88.29	53.88	13.28	21.04	17.38	1.17	2.49	0.09	11.71	65.67	53.96
III (f)	100.00	88.48	53.26	13.56	21.87	18.40	0.94	2.53	-0.21	11.52	64.30	52.79
IV (f)	100.00	87.56	51.89	14.36	21.28	16.18	1.67	3.43	0.04	12.44	65.31	52.87

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					
2006	5.62	1.41	1.79	-0.63	1.52	4.57	-7.73	-8.00	--	--	11.38	4.66
2007	6.52	1.83	2.42	2.20	1.14	1.88	2.20	-2.80	--	--	10.45	2.89
2008	0.70	-2.44	-1.69	1.54	-11.13	-14.15	-1.98	0.44	--	--	0.55	-4.13
2009	-1.57	-4.51	0.01	3.22	-8.81	-15.32	2.37	14.07	--	--	-8.42	-13.22
2010	10.63	10.29	3.76	1.05	19.31	27.63	7.49	-2.92	--	--	25.67	28.03
2011	3.80	0.57	3.12	1.95	-1.15	1.20	-13.44	-5.78	--	--	4.20	-0.46
2012	2.06	0.63	1.82	2.16	-2.61	-0.35	-7.42	-10.95	--	--	0.41	-1.78
2013	2.20	2.03	2.34	-0.79	5.30	7.09	2.99	-2.79	--	--	3.50	3.40
2014	4.02	3.71	3.44	3.66	2.05	3.58	4.95	-7.52	--	--	5.86	5.67
I	3.84	2.88	3.06	4.15	2.60	3.25	14.22	-6.77	--	--	4.37	3.14
II	4.31	3.81	3.67	2.53	2.14	4.62	-14.55	-5.66	--	--	4.73	4.08
III	4.39	4.98	4.16	3.81	3.69	4.67	19.61	-6.98	--	--	7.49	8.84
IV	3.56	3.15	2.86	4.12	-0.12	1.66	5.50	-9.68	--	--	6.67	6.53
2015	0.72	1.86	2.68	-0.26	1.64	2.97	-7.21	-2.41	--	--	-0.34	1.19
I	4.01	1.58	3.52	-2.96	-0.25	1.59	-28.76	-2.35	--	--	6.13	2.71
II	0.66	3.64	3.63	0.79	0.93	-0.07	21.95	-0.50	--	--	-1.23	2.91
III	-0.70	0.86	1.20	0.16	3.78	6.10	-5.72	-7.09	--	--	-2.92	-0.95
IV	-0.79	1.42	2.42	0.72	1.98	4.32	-12.00	-0.23	--	--	-2.59	0.29
2016(p)	1.50	2.16	2.14	3.05	2.71	3.12	-1.93	1.72	--	--	2.12	3.39
I	-0.23	1.82	2.64	6.34	-0.12	0.22	-5.07	-1.70	--	--	-3.88	-1.39
II	1.13	0.85	1.59	2.03	0.16	1.16	-2.50	-5.09	--	--	0.21	-0.29
III(r)	2.12	2.89	2.70	3.37	3.66	3.99	-6.39	4.65	--	--	3.66	5.34
IV(p)	2.88	3.05	1.62	0.95	6.81	7.24	2.32	6.54	--	--	8.02	9.58
2017(f)	1.92	1.67	1.75	0.34	1.80	1.85	2.42	1.21	--	--	4.01	4.07
I (f)	2.45	2.34	1.68	-1.71	3.08	3.19	2.77	1.99	--	--	7.75	8.82
II (f)	2.29	1.43	1.76	0.68	2.83	2.88	3.03	2.31	--	--	6.12	5.50
III (f)	1.51	1.18	1.75	-0.19	1.06	1.00	2.31	0.96	--	--	3.28	3.15
IV (f)	1.50	1.75	1.81	2.30	0.49	0.42	1.97	0.25	--	--	-0.24	-0.36

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					
2006	5.62	1.36	1.01	-0.10	0.37	0.84	-0.14	-0.33	0.08	4.26	6.90	2.63
2007	6.52	1.38	1.33	0.32	0.28	0.35	0.03	-0.11	-0.55	5.14	6.87	1.73
2008	0.70	-2.24	-0.91	0.22	-2.66	-2.64	-0.03	0.02	1.11	2.94	0.39	-2.55
2009	-1.57	-4.25	0.01	0.49	-2.04	-2.66	0.04	0.58	-2.70	2.68	-5.91	-8.59
2010	10.63	9.56	2.08	0.17	4.12	4.13	0.13	-0.13	3.20	1.07	15.50	14.44
2011	3.80	0.53	1.65	0.29	-0.27	0.21	-0.24	-0.24	-1.14	3.27	2.98	-0.29
2012	2.06	0.59	0.99	0.33	-0.61	-0.06	-0.11	-0.44	-0.12	1.47	0.30	-1.18
2013	2.20	1.88	1.28	-0.12	1.18	1.24	0.04	-0.10	-0.46	0.32	2.46	2.14
2014	4.02	3.37	1.86	0.54	0.46	0.63	0.07	-0.24	0.52	0.65	4.07	3.42
I	3.84	2.66	1.71	0.60	0.57	0.56	0.16	-0.15	-0.23	1.18	3.02	1.84
II	4.31	3.46	1.99	0.37	0.47	0.83	-0.18	-0.17	0.63	0.86	3.31	2.45
III	4.39	4.51	2.24	0.56	0.82	0.82	0.22	-0.22	0.89	-0.12	5.18	5.29
IV	3.56	2.83	1.51	0.62	-0.02	0.33	0.07	-0.41	0.72	0.72	4.65	3.93
2015	0.72	1.67	1.43	-0.04	0.36	0.52	-0.09	-0.07	-0.08	-0.95	-0.24	0.71
I	4.01	1.44	1.95	-0.42	-0.06	0.29	-0.30	-0.05	-0.03	2.57	4.19	1.61
II	0.66	3.26	1.94	0.11	0.20	-0.01	0.23	-0.01	1.00	-2.59	-0.86	1.73
III	-0.70	0.77	0.64	0.02	0.82	1.08	-0.06	-0.20	-0.71	-1.47	-2.05	-0.57
IV	-0.79	1.27	1.26	0.10	0.42	0.68	-0.25	-0.01	-0.52	-2.06	-1.86	0.20
2016(p)	1.50	1.89	1.12	0.43	0.56	0.54	-0.02	0.05	-0.22	-0.38	1.36	1.75
I	-0.23	1.59	1.36	0.86	-0.00	0.01	-0.01	-0.00	-0.62	-1.83	-2.51	-0.69
II	1.13	0.70	0.82	0.29	0.03	0.19	-0.03	-0.13	-0.43	0.43	0.16	-0.27
III(r)	2.12	2.51	1.42	0.47	0.75	0.69	-0.06	0.12	-0.13	-0.39	2.37	2.77
IV(p)	2.88	2.67	0.88	0.11	1.42	1.23	0.01	0.18	0.27	0.21	5.16	4.96
2017(f)	1.92	1.47	0.92	0.05	0.38	0.32	0.03	0.03	0.12	0.45	2.52	2.07
I(f)	2.45	2.08	0.93	-0.24	0.62	0.56	0.02	0.05	0.77	0.36	4.75	4.39
II(f)	2.29	1.27	0.94	0.09	0.59	0.49	0.03	0.06	-0.35	1.03	3.80	2.77
III(f)	1.51	1.05	0.92	-0.03	0.23	0.18	0.02	0.03	-0.07	0.46	2.06	1.60
IV(f)	1.50	1.51	0.91	0.34	0.10	0.07	0.03	0.00	0.16	-0.01	-0.26	-0.25

Note : Contributions of component X on s season at t year= $\{P_{X,t-1}/P_{GDP,t-1} \times (rX_{t,s} - rX_{t-1,s})/rGDP_{t-1,s} + (rX_{t-1,s}/rGDP_{t-1,s} - rX_{t-1,t}/rGDP_{t-1,t}) \times (P_{X,t-1}/P_{GDP,t-1} - P_{X,t-2}/P_{GDP,t-2})\} \times 100\%$,
where rX : Chained dollar of component X ; rGDP : real GDP(reference year = 2011) ; Px : 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						Service							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)			
2006	12,640,803	197,606	4,092,655	18,908	3,504,052	158,484	78,407	332,804	8,350,542	2,195,126	398,271	426,895	901,706	1,036,741	950,927	2,440,876	0
2007	13,407,062	191,886	4,362,723	22,896	3,764,569	134,882	86,543	353,833	8,680,010	2,309,925	412,001	446,741	943,545	1,090,456	947,340	2,530,002	172,443
2008	13,150,950	201,656	4,073,510	23,564	3,567,420	39,959	87,167	355,400	8,737,654	2,319,485	388,038	454,657	912,828	1,108,305	988,665	2,565,676	138,130
2009	12,961,656	215,109	4,034,619	18,030	3,422,636	187,971	86,432	319,550	8,556,951	2,223,440	363,325	453,945	797,576	1,148,078	994,245	2,576,342	154,977
2010	14,119,213	224,828	4,754,052	19,008	4,090,594	182,902	94,504	367,044	9,095,867	2,367,946	427,866	465,419	871,705	1,188,787	1,034,284	2,739,860	44,466
2011	14,312,200	245,783	4,725,408	17,174	4,102,225	126,013	96,943	383,053	9,341,009	2,443,613	398,441	461,781	915,039	1,211,679	1,054,319	2,856,137	0
2012	14,686,917	242,400	4,756,737	15,500	4,120,882	134,895	100,937	384,523	9,525,363	2,451,902	416,669	462,034	932,853	1,241,814	1,076,339	2,943,752	162,417
2013	15,230,739	255,728	5,074,385	15,471	4,360,226	202,292	100,484	395,912	9,835,454	2,574,104	422,738	467,449	972,520	1,288,289	1,062,983	3,047,371	65,172
2014	16,111,867	289,642	5,606,981	16,766	4,833,196	242,194	101,907	412,918	10,217,854	2,644,209	461,755	477,521	1,052,708	1,321,159	1,071,007	3,189,495	-2,610
I	3,862,258	75,068	1,273,725	3,880	1,081,350	57,393	22,285	108,817	2,546,914	640,270	110,446	116,668	249,225	319,860	314,408	796,037	-33,449
II	3,925,676	80,021	1,398,526	3,988	1,213,288	51,646	28,120	101,484	2,473,644	641,798	100,753	115,670	279,671	325,910	252,342	757,500	-26,515
III	4,093,475	62,719	1,501,111	3,716	1,286,807	83,217	26,689	100,682	2,539,103	637,274	120,472	119,926	277,254	318,727	258,796	806,654	-9,458
IV	4,230,458	71,834	1,433,619	5,182	1,251,751	49,938	24,813	101,935	2,658,193	724,867	130,084	125,257	246,558	356,662	245,461	829,304	66,812
2015	16,759,016	282,542	5,852,724	16,597	5,005,978	307,752	102,261	420,136	10,524,678	2,727,033	509,109	486,629	1,093,299	1,359,816	1,067,468	3,281,324	99,072
I	4,198,871	67,284	1,452,580	4,535	1,247,134	66,583	22,447	111,881	2,654,784	669,260	135,019	119,378	258,772	330,017	315,765	826,573	24,223
II	4,068,742	72,358	1,460,090	3,983	1,255,417	67,973	27,746	104,971	2,546,322	658,878	114,603	117,654	293,351	335,473	250,861	775,502	-10,028
III	4,209,316	66,642	1,521,102	3,416	1,286,769	102,487	26,714	101,716	2,588,661	650,873	126,675	122,408	276,936	325,410	258,728	827,631	32,911
IV	4,282,087	76,258	1,418,952	4,663	1,216,658	70,709	25,354	101,568	2,734,911	748,022	132,812	127,189	264,240	368,916	242,114	851,618	51,966
2016(p)	17,111,263	308,475	5,952,557	14,397	5,124,423	299,475	110,544	403,718	10,727,680	2,749,969	515,365	482,859	1,120,843	1,393,603	1,080,575	3,384,466	122,551
I	4,260,531	76,233	1,436,939	3,692	1,232,612	70,225	22,353	108,057	2,716,813	670,237	134,502	120,022	268,601	337,517	320,464	865,470	30,546
II	4,146,530	80,702	1,464,699	3,690	1,256,147	73,498	29,493	101,871	2,593,747	655,181	114,828	117,433	300,276	344,756	255,817	805,456	7,382
III (r)	4,288,301	67,767	1,573,975	3,133	1,350,854	93,543	29,760	96,685	2,633,823	658,519	128,668	121,059	284,299	334,195	259,599	847,484	12,736
IV (p)	4,415,901	83,773	1,476,944	3,882	1,284,810	62,209	28,938	97,105	2,783,297	766,032	137,367	124,345	267,667	377,135	244,695	866,056	71,887

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 about 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					Service								
			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 Administra- tion and Defence ; Compulsory Social	Others (3)		
2006	100.00	1.56	32.38	0.15	27.72	1.25	0.62	2.63	66.06	17.37	3.15	3.38	7.13	8.20	7.52	19.31
2007	100.00	1.45	32.96	0.17	28.44	1.02	0.65	2.67	65.59	17.45	3.11	3.38	7.13	8.24	7.16	19.12
2008	100.00	1.55	31.30	0.18	27.41	0.31	0.67	2.73	67.15	17.82	2.98	3.49	7.01	8.52	7.60	19.72
2009	100.00	1.68	31.50	0.14	26.73	1.47	0.67	2.50	66.82	17.36	2.84	3.54	6.23	8.96	7.76	20.12
2010	100.00	1.60	33.78	0.14	29.06	1.30	0.67	2.61	64.63	16.82	3.04	3.31	6.19	8.45	7.35	19.47
2011	100.00	1.72	33.02	0.12	28.66	0.88	0.68	2.68	65.27	17.07	2.78	3.23	6.39	8.47	7.37	19.96
2012	100.00	1.67	32.75	0.11	28.37	0.93	0.69	2.65	65.58	16.88	2.87	3.18	6.42	8.55	7.41	20.27
2013	100.00	1.69	33.46	0.10	28.75	1.33	0.66	2.61	64.85	16.97	2.79	3.08	6.41	8.49	7.01	20.09
2014	100.00	1.80	34.79	0.10	29.99	1.50	0.63	2.56	63.41	16.41	2.87	2.96	6.53	8.20	6.65	19.79
I	100.00	1.93	32.70	0.10	27.76	1.47	0.57	2.79	65.38	16.44	2.84	2.99	6.40	8.21	8.07	20.43
II	100.00	2.02	35.39	0.10	30.70	1.31	0.71	2.57	62.59	16.24	2.55	2.93	7.08	8.25	6.38	19.17
III	100.00	1.53	36.59	0.09	31.36	2.03	0.65	2.45	61.89	15.53	2.94	2.92	6.76	7.77	6.31	19.66
IV	100.00	1.73	34.43	0.12	30.06	1.20	0.60	2.45	63.84	17.41	3.12	3.01	5.92	8.57	5.90	19.92
2015	100.00	1.70	35.13	0.10	30.05	1.85	0.61	2.52	63.17	16.37	3.06	2.92	6.56	8.16	6.41	19.70
I	100.00	1.61	34.80	0.11	29.87	1.59	0.54	2.68	63.59	16.03	3.23	2.86	6.20	7.91	7.56	19.80
II	100.00	1.77	35.80	0.10	30.78	1.67	0.68	2.57	62.43	16.15	2.81	2.88	7.19	8.22	6.15	19.01
III	100.00	1.60	36.42	0.08	30.81	2.45	0.64	2.44	61.98	15.58	3.03	2.93	6.63	7.79	6.19	19.82
IV	100.00	1.80	33.54	0.11	28.76	1.67	0.60	2.40	64.65	17.68	3.14	3.01	6.25	8.72	5.72	20.13
2016(p)	100.00	1.82	35.04	0.08	30.16	1.76	0.65	2.38	63.15	16.19	3.03	2.84	6.60	8.20	6.36	19.92
I	100.00	1.80	33.97	0.09	29.14	1.66	0.53	2.55	64.23	15.84	3.18	2.84	6.35	7.98	7.58	20.46
II	100.00	1.95	35.39	0.09	30.35	1.78	0.71	2.46	62.66	15.83	2.77	2.84	7.25	8.33	6.18	19.46
III(r)	100.00	1.58	36.81	0.07	31.59	2.19	0.70	2.26	61.60	15.40	3.01	2.83	6.65	7.82	6.07	19.82
IV(p)	100.00	1.93	34.00	0.09	29.58	1.43	0.67	2.24	64.07	17.63	3.16	2.86	6.16	8.68	5.63	19.94

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 about 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						Service							
			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)	
2006	5.62	12.37	6.96	-19.71	7.61	0.66	9.02	4.37	4.54	5.76	3.33	3.94	3.20	8.12	-0.13	4.72
2007	6.52	-0.02	11.07	-0.20	12.92	-7.29	10.66	1.06	4.62	5.89	4.96	2.57	7.20	6.41	-1.33	4.37
2008	0.70	0.02	-0.37	-9.20	0.42	-1.03	4.59	-9.12	0.41	0.84	-1.15	3.83	-3.58	1.52	0.97	0.46
2009	-1.57	-2.60	-2.86	-10.07	-2.51	26.63	1.24	-10.16	-1.02	-1.88	-4.99	2.61	-7.49	2.26	0.82	-0.13
2010	10.63	2.25	20.83	44.39	22.66	4.80	4.43	13.68	6.28	6.31	7.55	9.42	8.43	4.54	3.10	6.85
2011	3.80	4.52	5.98	-4.80	6.79	2.79	-1.73	0.99	3.07	3.74	2.10	3.56	4.22	1.68	0.03	3.96
2012	2.06	-3.20	3.29	-1.01	3.72	1.69	6.38	-1.39	1.27	1.10	1.83	3.05	1.09	1.81	0.70	1.11
2013	2.20	1.35	1.67	-4.18	1.70	3.12	2.26	0.93	2.29	1.61	7.64	3.39	4.00	2.95	-0.65	2.17
2014	4.02	1.55	7.23	-4.35	8.17	1.87	4.62	0.76	3.25	4.23	0.86	3.16	7.62	2.06	-0.24	3.10
I	3.84	4.90	5.03	-10.31	5.43	11.82	4.46	0.63	3.00	3.59	1.87	3.84	7.20	2.11	-0.35	2.75
II	4.31	-0.27	7.46	-4.71	8.34	16.84	3.51	1.10	3.55	5.72	3.32	3.50	7.61	1.46	-0.75	2.88
III	4.39	-3.64	8.38	-1.88	9.56	4.83	4.89	-0.25	3.90	4.65	1.37	2.07	12.31	2.16	-0.06	3.48
IV	3.56	4.97	7.76	-0.91	8.94	-12.15	5.56	1.78	2.58	3.13	-2.86	3.28	3.17	2.47	0.22	3.25
2015	0.72	-8.26	-1.05	-6.58	-0.85	-5.45	-0.03	-0.88	1.14	0.27	-0.26	4.71	3.78	2.08	0.05	0.62
I	4.01	-3.24	5.71	1.00	6.92	-2.56	-0.55	-0.78	1.80	2.20	0.36	3.17	3.44	2.31	0.18	1.32
II	0.66	-9.04	-0.52	-5.69	-0.19	-5.43	-0.83	-0.32	1.13	0.03	1.13	4.24	5.34	2.09	0.10	0.02
III	-0.70	-6.99	-3.64	-10.15	-3.81	-4.16	0.43	-1.51	0.29	-1.19	-2.28	5.46	-0.47	1.55	0.87	0.45
IV	-0.79	-12.21	-4.68	-10.39	-4.94	-8.43	0.70	-0.90	1.33	-0.06	-0.30	5.86	7.18	2.35	-0.99	0.71
2016(p)	1.50	-6.91	2.04	-9.74	2.28	5.45	1.98	-2.84	1.33	0.63	3.68	3.07	2.37	1.35	0.20	1.29
I	-0.23	-10.64	-2.85	-15.08	-2.94	1.52	-0.70	-4.40	0.73	-1.71	-1.37	4.34	3.11	1.04	0.05	1.93
II	1.13	-8.56	0.50	-6.09	0.29	16.25	0.74	-2.24	1.07	-0.78	2.01	3.60	2.47	1.66	0.24	1.67
III(r)	2.12	-4.02	4.46	-5.40	5.16	4.40	3.39	-2.51	1.50	1.58	5.59	2.53	3.33	1.52	-0.21	0.78
IV(p)	2.88	-4.54	5.67	-11.48	6.16	2.54	3.98	-2.03	1.97	3.36	8.59	1.94	0.53	1.18	0.77	0.88

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 about 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					Service								
			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)		
2006	5.62	0.20	2.24	-0.03	2.11	0.01	0.05	0.10	3.01	0.99	0.11	0.14	0.24	0.64	-0.01	0.90
2007	6.52	0.00	3.58	0.00	3.58	-0.10	0.07	0.03	3.05	1.02	0.16	0.09	0.51	0.53	-0.10	0.84
2008	0.70	0.00	-0.13	-0.02	0.12	-0.02	0.03	-0.24	0.28	0.15	-0.04	0.13	-0.26	0.13	0.07	0.10
2009	-1.57	-0.04	-0.89	-0.02	-0.69	0.09	0.01	-0.28	-0.69	-0.33	-0.15	0.09	-0.53	0.19	0.06	-0.02
2010	10.63	0.04	6.56	0.06	6.06	0.07	0.03	0.34	4.19	1.10	0.21	0.33	0.53	0.41	0.24	1.37
2011	3.80	0.07	2.03	-0.01	1.97	0.05	-0.01	0.03	1.98	0.63	0.06	0.12	0.26	0.14	0.00	0.77
2012	2.06	-0.05	1.07	0.00	1.07	0.00	0.04	-0.04	0.84	0.19	0.05	0.10	0.07	0.15	0.05	0.23
2013	2.20	0.02	0.55	0.00	0.48	0.03	0.02	0.02	1.50	0.27	0.22	0.11	0.26	0.25	-0.05	0.44
2014	4.02	0.03	2.40	0.00	2.35	0.00	0.03	0.02	2.12	0.72	0.02	0.10	0.49	0.17	-0.02	0.64
I	3.84	0.07	1.56	-0.01	1.44	0.08	0.03	0.02	1.98	0.66	0.04	0.12	0.46	0.18	-0.04	0.56
II	4.31	0.00	2.50	0.00	2.41	0.04	0.02	0.03	2.29	0.95	0.09	0.11	0.52	0.12	-0.06	0.56
III	4.39	-0.06	2.97	0.00	2.91	0.04	0.03	-0.01	2.50	0.71	0.05	0.06	0.79	0.18	-0.01	0.72
IV	3.56	0.09	2.60	0.00	2.57	-0.05	0.04	0.04	1.66	0.56	-0.08	0.10	0.20	0.21	0.03	0.64
2015	0.72	-0.15	-0.35	-0.01	-0.26	-0.06	0.00	-0.02	0.71	0.04	-0.01	0.14	0.25	0.17	0.00	0.12
I	4.01	-0.07	1.87	0.00	1.90	-0.01	0.00	-0.02	1.13	0.35	0.02	0.09	0.22	0.19	0.01	0.25
II	0.66	-0.16	-0.18	-0.01	-0.05	-0.10	-0.01	-0.01	0.71	0.01	0.03	0.12	0.37	0.17	0.01	0.00
III	-0.70	-0.13	-1.31	-0.01	-1.19	-0.07	0.00	-0.04	0.20	-0.14	-0.07	0.16	-0.03	0.13	0.06	0.09
IV	-0.79	-0.23	-1.66	-0.01	-1.49	-0.13	0.00	-0.03	0.87	-0.02	-0.01	0.17	0.43	0.20	-0.06	0.16
2016(p)	1.50	-0.12	0.73	-0.01	0.68	0.12	0.01	-0.07	0.83	0.10	0.11	0.09	0.16	0.11	0.01	0.25
I	-0.23	-0.17	-0.99	-0.02	-0.87	0.02	0.00	-0.12	0.45	-0.30	-0.03	0.13	0.20	0.08	0.00	0.37
II	1.13	-0.15	0.15	-0.01	0.09	0.13	0.00	-0.06	0.70	-0.13	0.07	0.11	0.16	0.14	0.01	0.34
III(r)	2.12	-0.07	1.67	-0.01	1.63	0.10	0.02	-0.07	0.94	0.24	0.16	0.07	0.22	0.13	-0.02	0.14
IV(p)	2.88	-0.08	1.95	-0.01	1.80	0.18	0.02	-0.04	1.24	0.57	0.25	0.05	0.05	0.09	0.06	0.17

Note : 1. 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 = 2011) ; Px : Deflators of component X ; P_{GDP} : Deflators of GDP.

2. (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 about 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	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\$)	(%)	(%)	(%)
2006	4,022,143	31.05	3,110,995	24.02	911,148	7.03	22.65	29.29
2007	4,322,467	31.46	3,221,482	23.45	1,100,985	8.01	25.47	34.18
2008	3,987,872	29.62	3,217,027	23.89	770,845	5.72	19.33	23.96
2009	3,918,237	29.29	2,580,249	19.29	1,337,988	10.00	34.15	51.85
2010	4,821,815	33.14	3,524,645	24.23	1,297,170	8.92	26.90	36.80
2011	4,624,899	31.46	3,382,866	23.01	1,242,033	8.45	26.86	36.72
2012	4,611,020	30.45	3,304,160	21.82	1,306,860	8.63	28.34	39.55
2013	5,008,844	32.00	3,360,196	21.46	1,648,648	10.53	32.91	49.06
2014	5,569,084	33.58	3,521,157	21.23	2,047,927	12.35	36.77	58.16
I	1,317,559	32.67	852,963	21.15	464,596	11.52	35.26	54.47
II	1,400,075	34.60	861,859	21.30	538,216	13.30	38.44	62.45
III	1,401,948	33.45	917,889	21.90	484,059	11.55	34.53	52.74
IV	1,449,502	33.62	888,446	20.61	561,056	13.01	38.71	63.15
2015	6,009,446	34.70	3,508,150	20.26	2,501,296	14.44	41.62	71.30
I	1,545,957	35.29	850,463	19.41	695,494	15.87	44.99	81.78
II	1,421,907	34.23	883,274	21.26	538,633	12.97	37.88	60.98
III	1,498,768	34.56	905,357	20.88	593,411	13.68	39.59	65.54
IV	1,542,814	34.70	869,056	19.55	673,758	15.15	43.67	77.53
2016(p)	6,030,595	34.04	3,582,375	20.22	2,448,220	13.82	40.60	68.34
I	1,501,421	33.69	820,433	18.41	680,988	15.28	45.36	83.00
II	1,443,780	33.88	881,624	20.69	562,156	13.19	38.94	63.76
III(r)	1,515,277	34.19	941,510	21.24	573,767	12.95	37.87	60.94
IV(p)	1,570,117	34.38	938,808	20.56	631,309	13.82	40.21	67.25
2017(f)	6,231,847	34.56	3,683,705	20.43	2,548,142	14.13	40.89	69.17
I (f)	1,563,074	34.47	880,387	19.41	682,687	15.05	43.68	77.54
II (f)	1,479,992	34.02	894,854	20.57	585,138	13.45	39.54	65.39
III (f)	1,556,203	34.42	952,218	21.06	603,985	13.36	38.81	63.43
IV (f)	1,632,578	35.28	956,246	20.66	676,332	14.61	41.43	70.73

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 (%)	
2006	255,925	12.16	232,892	9.81	23,033	225,904	13.09	206,442	11.33	19,462
2007	285,147	11.42	251,844	8.14	33,303	248,792	10.13	223,115	8.08	25,677
2008	294,572	3.31	272,201	8.08	22,371	258,051	3.72	244,467	9.57	13,585
2009	237,630	-19.33	202,234	-25.70	35,396	205,663	-20.30	177,598	-27.35	28,065
2010	317,636	33.67	285,134	40.99	32,502	278,008	35.18	256,274	44.30	21,734
2011	355,243	11.84	321,424	12.73	33,819	312,923	12.56	288,062	12.40	24,861
2012	350,094	-1.45	311,967	-2.94	38,127	306,409	-2.08	277,324	-3.73	29,085
2013	357,353	2.07	309,787	-0.70	47,566	311,428	1.64	278,010	0.25	33,418
2014	372,013	4.10	317,229	2.40	54,784	320,092	2.78	281,850	1.38	38,242
I	86,248	1.95	77,232	-0.31	9,016	74,681	1.19	68,749	-1.83	5,932
II	94,193	4.17	80,407	3.14	13,786	81,784	2.57	72,393	3.11	9,391
III	95,939	7.33	82,523	8.12	13,416	82,814	6.73	72,930	7.46	9,883
IV	95,633	2.89	77,067	-1.23	18,566	80,814	0.64	67,778	-3.04	13,036
2015	340,067	-8.59	272,366	-14.14	67,701	285,344	-10.86	237,219	-15.83	48,124
I	84,892	-1.57	67,126	-13.09	17,766	71,305	-4.52	58,729	-14.57	12,575
II	86,354	-8.32	70,793	-11.96	15,561	73,211	-10.48	61,481	-15.07	11,730
III	84,702	-11.71	68,227	-17.32	16,475	71,224	-13.99	59,435	-18.50	11,789
IV	84,119	-12.04	66,220	-14.07	17,899	69,604	-13.87	57,574	-15.05	12,030
2016(p)	333,584	-1.91	269,567	-1.03	64,017	280,394	-1.73	230,888	-2.67	49,505
I	75,906	-10.59	59,794	-10.92	16,112	62,668	-12.11	50,514	-13.99	12,154
II	80,677	-6.57	65,799	-7.05	14,878	68,651	-6.23	56,781	-7.64	11,870
III(r)	84,669	-0.04	69,833	2.35	14,836	71,304	0.11	59,374	-0.10	11,929
IV(p)	92,332	9.76	74,141	11.96	18,191	77,771	11.73	64,219	11.54	13,552
2017(f)	360,670	8.12	294,103	9.10	66,567	304,226	8.50	253,438	9.77	50,788
I (f)	85,695	12.90	69,376	16.03	16,319	72,252	15.29	59,701	18.19	12,551
II (f)	89,572	11.03	73,600	11.86	15,972	76,107	10.86	63,629	12.06	12,478
III (f)	91,029	7.51	74,728	7.01	16,301	76,858	7.79	63,701	7.29	13,157
IV (f)	94,374	2.21	76,399	3.05	17,975	79,009	1.59	66,407	3.41	12,602

Table 7-1 Expenditures on GDP, Seasonally Adjusted
Chained dollars (Reference year = 2011)

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
2013								
I	3,676,433	3,412,845	2,006,545	551,031	855,430	263,307	2,665,963	2,402,656
II	3,712,943	3,398,883	2,022,806	550,512	825,643	314,600	2,699,393	2,384,793
III	3,742,127	3,408,270	2,029,980	547,512	830,876	334,634	2,713,256	2,378,622
IV	3,797,789	3,486,932	2,067,103	547,999	872,022	311,165	2,749,526	2,438,361
2014								
I	3,820,078	3,521,413	2,069,985	570,329	881,464	297,978	2,783,456	2,485,478
II	3,867,558	3,523,264	2,090,988	563,921	868,466	345,247	2,850,776	2,505,529
III	3,911,134	3,574,514	2,115,775	568,934	890,132	336,329	2,913,948	2,577,619
IV	3,930,836	3,596,215	2,128,834	574,386	893,261	334,405	2,914,749	2,580,344
2015								
I	3,962,345	3,579,302	2,140,665	553,568	885,366	385,684	2,948,033	2,562,349
II	3,892,977	3,650,033	2,162,688	569,696	918,298	238,327	2,822,444	2,584,117
III	3,892,676	3,607,962	2,145,079	569,313	893,828	283,148	2,824,828	2,541,680
IV	3,893,353	3,642,854	2,182,298	579,015	881,249	246,240	2,828,155	2,581,915
2016								
I	3,939,010	3,648,462	2,193,272	589,461	864,414	294,767	2,823,400	2,528,633
II	3,947,266	3,684,395	2,199,555	581,630	903,130	259,040	2,848,628	2,589,588
III(r)	3,986,074	3,719,296	2,206,111	588,593	924,943	255,589	2,938,361	2,682,772
IV(p)	4,004,048	3,741,339	2,216,405	581,096	944,855	237,665	3,055,331	2,817,666
2017								
I (f)	4,029,536	3,733,384	2,228,213	579,751	925,932	282,450	3,038,144	2,755,694
II (f)	4,041,124	3,738,226	2,238,335	586,547	913,213	293,751	3,021,930	2,728,179
III (f)	4,044,796	3,765,448	2,247,061	587,793	930,940	263,861	3,028,881	2,765,020
IV (f)	4,066,243	3,803,583	2,256,000	594,609	953,809	242,678	3,044,900	2,802,222

Note : The chained-dollar (reference year=2011) 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	
2013									
I	-1.20	8.07	4.65	-3.45	25.94	--	-0.41	13.37	
II	4.03	-1.63	3.28	-0.38	-13.22	--	5.11	-2.94	
III	3.18	1.11	1.43	-2.16	2.56	--	2.07	-1.03	
IV	6.08	9.56	7.52	0.36	21.33	--	5.46	10.43	
2014									
I	2.37	4.01	0.56	17.32	4.40	--	5.03	7.96	
II	5.07	0.21	4.12	-4.42	-5.77	--	10.03	3.27	
III	4.58	5.95	4.83	3.60	10.36	--	9.16	12.02	
IV	2.03	2.45	2.49	3.89	1.41	--	0.11	0.42	
2015									
I	3.25	-1.87	2.24	-13.73	-3.49	--	4.65	-2.76	
II	-6.82	8.14	4.18	12.17	15.73	--	-15.98	3.44	
III	-0.03	-4.53	-3.22	-0.27	-10.24	--	0.34	-6.41	
IV	0.07	3.92	7.12	6.99	-5.51	--	0.47	6.48	
2016									
I	4.77	0.62	2.03	7.41	-7.43	--	-0.67	-8.00	
II	0.84	4.00	1.15	-5.21	19.16	--	3.62	10.00	
III (r)	3.99	3.84	1.20	4.88	10.02	--	13.21	15.19	
IV (p)	1.82	2.39	1.88	-5.00	8.89	--	16.90	21.68	
2017									
I (f)	2.57	-0.85	2.15	-0.92	-7.77	--	-2.23	-8.51	
II (f)	1.16	0.52	1.83	4.77	-5.38	--	-2.12	-3.93	
III (f)	0.36	2.94	1.57	0.85	7.99	--	0.92	5.51	
IV (f)	2.14	4.11	1.60	4.72	10.19	--	2.13	5.49	

Table 8 Indicators for Private Final Consumption Expenditure

Unit:%

Period	Trade and Eating-Drinking places Activity Surveys			Production Indexes of Domestic Consumer Goods Annual Rate	Stock Trading on TSEC and GTSM Market Annual Rate	Number of New Registered Automobile Annual Rate	Outbound Departure of Nationals of the R.O.C Annual Rate	Retail Sales Volume of Credit Cards Annual Rate	People Aged 65 and above as the Percentage of Total Population (End of Period)
	Annual Rate of the Sales of Retail Trade	Annual Rate of Non-specialized Retail Sales	Annual rate of the Sales of Eating-Drinking places						
2008	-1.2	2.2	2.3	-4.8	-29.3	-29.8	-5.6	-1.4	10.43
2009	1.5	2.2	0.5	-8.5	18.8	28.3	-3.8	-2.1	10.63
2010	6.3	7.0	7.6	18.2	-3.1	11.3	15.6	12.7	10.74
2011	6.3	6.6	8.4	15.0	-10.8	15.5	1.8	8.5	10.89
2012	2.4	5.1	3.6	-5.9	-23.2	-3.3	6.8	5.6	11.15
2013	2.0	2.9	1.6	-5.9	-0.9	3.4	7.9	8.5	11.53
2014	3.9	5.1	3.1	2.4	23.0	12.0	7.2	8.1	11.99
I	3.1	4.0	4.8	-3.3	33.3	10.1	6.0	4.7	11.65
II	4.6	5.6	4.6	1.7	33.6	20.9	13.4	9.2	11.75
III	4.8	5.1	2.6	4.3	23.8	14.2	3.3	10.4	11.85
IV	3.1	5.8	0.3	6.6	3.5	3.9	6.4	7.9	11.99
2015	0.3	4.0	2.7	-6.4	-8.4	-0.7	11.3	7.9	12.51
I	2.0	5.2	1.9	1.3	-13.5	7.4	12.1	7.9	12.14
II	0.3	4.6	2.5	-10.0	-9.4	-0.8	11.0	10.6	12.22
III	-2.0	3.1	2.2	-8.6	-14.4	-7.9	9.4	4.0	12.34
IV	0.9	3.3	4.2	-7.4	5.4	-1.3	13.0	9.0	12.51
2016	1.9	4.7	3.6	-4.1	-15.7	4.5	10.7	8.5	13.20
I	2.8	7.0	3.2	-8.3	-3.7	-0.2	13.7	10.5	12.69
II	1.2	4.0	2.5	-4.3	-22.8	4.7	10.5	9.3	12.83
III	1.9	4.6	3.4	-1.8	-9.3	6.8	11.9	8.1	12.99
IV	1.7	3.2	5.4	-2.1	-25.0	6.7	6.6	6.6	13.20
Oct.	0.4	3.2	6.9	-5.0	-29.8	12.0	5.1	0.1	13.06
Nov.	2.5	2.0	2.9	1.4	-19.1	9.8	6.2	14.9	13.13
Dec.	2.1	4.6	6.4	-2.8	-26.3	0.1	9.0	5.4	13.20

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 (%)	Production Index of Buildings Construction 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 (%)	Annual Rate (%)	Annual Rate (%)	
2008	-1.4	-9.3	9,749	-13.4	311	-9.3	4.0
2009	-17.3	-19.1	7,827	-19.7	238	-23.5	-3.7
2010	30.5	-9.2	12,361	57.9	392	65.0	23.0
2011	11.4	7.6	11,009	-10.9	375	-4.3	10.5
2012	-5.1	7.1	10,356	-5.9	350	-6.7	7.3
2013	-1.9	3.7	10,925	5.5	369	5.4	1.8
2014	13.5	10.6	11,662	6.7	385	4.6	8.7
I	12.0	-6.9	2,810	6.5	93	3.5	6.0
II	13.9	22.5	3,062	7.3	101	5.9	6.4
III	16.0	5.3	2,898	15.8	97	15.7	7.9
IV	12.1	19.5	2,892	-1.3	94	-5.0	8.7
2015	0.5	3.6	12,076	3.5	381	-1.1	-1.0
I	7.4	1.5	2,679	-4.7	85	-8.8	6.5
II	1.5	7.2	2,998	-2.1	97	-4.3	5.9
III	-2.0	8.6	3,292	13.6	104	7.5	3.5
IV	-3.8	-1.4	3,107	7.4	95	1.1	-1.0
2016	-0.7	-9.1	13,819	14.4	429	12.6	2.5
I	-4.2	18.9	2,917	8.9	88	3.9	-0.9
II	2.0	-14.2	3,407	13.7	105	8.1	-2.8
III	-0.8	-8.4	3,559	8.1	112	7.4	-1.8
IV	-0.3	-22.3	3,937	26.7	124	30.4	2.5
Oct.	-3.1	-34.9	1,432	42.1	46	47.5	-0.6
Nov.	2.2	-10.4	1,196	8.5	38	11.5	-0.2
Dec.	0.1	-20.7	1,308	31.2	41	34.1	2.5

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

Table 10 Economic Growth Rates of Major Countries

Unit: %

Period	ROC(Taiwan)		US*		Japan		EU*	Germany	France	UK	China		HK	South Korea		Singapore	
	yoy	saar	yoy	saar	yoy	saar					yoy	saar		yoy	saar	yoy	saar
2008	0.70	—	-0.3	—	-1.1	—	0.4	1.1	0.2	-0.6	9.7	—	2.1	2.8	—	1.8	—
2009	-1.57	—	-2.8	—	-5.4	—	-4.4	-5.6	-2.9	-4.3	9.4	—	-2.5	0.7	—	-0.6	—
2010	10.63	—	2.5	—	4.2	—	2.1	4.1	2.0	1.9	10.6	—	6.8	6.5	—	15.2	—
2011	3.80	—	1.6	—	-0.1	—	1.7	3.7	2.1	1.5	9.5	—	4.8	3.7	—	6.2	—
2012	2.06	—	2.2	—	1.5	—	-0.5	0.5	0.2	1.3	7.9	—	1.7	2.3	—	3.7	—
2013	2.20	—	1.7	—	2.0	—	0.2	0.5	0.6	1.9	7.8	—	3.1	2.9	—	4.7	—
2014	4.02	—	2.4	—	0.3	—	1.6	1.6	0.6	3.1	7.3	—	2.7	3.3	—	3.3	—
I	3.84	2.37	1.6	-1.2	3.1	4.7	1.6	2.3	0.9	2.6	7.4	6.1	2.9	3.9	4.5	4.6	1.4
II	4.31	5.07	2.4	4.0	-0.3	-7.1	1.5	1.3	0.4	3.1	7.5	7.4	2.1	3.5	2.4	2.6	1.5
III	4.39	4.58	2.9	5.0	-1.1	-0.9	1.6	1.1	0.7	3.1	7.1	7.4	3.2	3.4	2.8	3.1	2.0
IV	3.56	2.03	2.5	2.3	-0.3	2.5	1.8	1.6	0.6	3.5	7.2	7.8	2.5	2.7	1.2	2.8	6.9
2015	0.72	—	2.6	—	1.2	—	2.2	1.7	1.3	2.2	6.9	—	2.4	2.6	—	2.0	—
I	4.01	3.25	3.3	2.0	-0.1	5.8	2.1	1.1	1.3	2.8	7.0	8.2	2.4	2.4	3.2	2.7	0.2
II	0.66	-6.82	3.0	2.6	1.8	-0.4	2.2	1.8	1.2	2.4	7.0	7.0	3.1	2.2	1.6	1.7	-1.6
III	-0.70	-0.03	2.2	2.0	2.1	0.8	2.1	1.7	1.1	1.8	6.9	7.4	2.3	2.8	4.9	1.8	2.3
IV	-0.79	0.07	1.9	0.9	1.1	-1.2	2.1	1.3	1.2	1.7	6.8	6.1	1.9	3.1	2.8	1.8	6.2
2016	1.50	—	1.6	—	1.0	—	...	1.9	1.1	2.0	6.7	—	...	2.7	—	1.8	—
I	-0.23	4.77	1.6	0.8	0.3	2.3	1.8	1.9	1.2	1.8	6.7	5.3	0.8	2.8	2.0	2.1	0.2
II	1.13	0.84	1.3	1.4	0.9	1.8	1.8	1.8	1.1	2.0	6.7	7.8	1.7	3.3	3.2	2.1	0.4
III	2.12	3.99	1.7	3.5	1.1	1.4	1.9	1.7	0.9	2.2	6.7	7.4	1.9	2.6	2.4	1.2	-1.9
IV	2.88	1.82	1.9	1.9	1.7	1.0	1.8	1.8	1.1	2.2	6.8	7.0	...	2.3	1.6	1.8	9.1

Source: Countries' 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.*Seasonal adjusted annualized rate (quarter on quarter).

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
2008	3.52	8.55	3.8	5.5	1.4	2.6	5.9	14.3	4.7	4.9	6.5	7.7	4.3	10.1	9.8	17.0	2.6	6.0	8.3	12.9
2009	-0.86	-0.44	-0.4	1.8	-1.3	0.2	-0.7	0.7	2.8	7.6	0.6	2.3	0.6	1.3	4.8	7.2	0.3	-1.3	4.2	5.9
2010	0.96	0.62	1.6	0.8	-0.7	-0.3	3.3	7.2	3.0	6.4	2.8	1.4	2.3	2.4	5.1	9.4	1.1	1.2	3.8	4.2
2011	1.42	2.26	3.2	3.7	-0.3	-0.4	5.4	11.8	4.0	8.1	5.3	3.0	5.3	7.0	5.4	8.7	2.1	2.8	4.6	5.5
2012	1.93	4.16	2.1	2.6	0.0	0.1	2.6	4.8	2.2	4.0	4.5	2.3	4.1	5.8	4.3	5.9	2.0	3.4	3.2	2.4
2013	0.79	1.27	1.5	1.4	0.4	-0.1	2.6	4.7	1.3	0.9	2.4	2.1	4.4	4.4	6.4	11.9	1.5	3.9	3.0	2.8
2014	1.20	3.74	1.6	2.4	2.7	3.8	2.0	3.1	1.3	0.3	1.0	2.9	4.5	4.1	6.4	6.8	0.9	1.0	4.1	6.7
2015	-0.31	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	0.2	0.7	1.4	2.5
2016	1.40	5.24	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	1.8	2.5
Jan.	0.81	2.73	1.4	0.8	-0.1	1.5	1.8	3.6	0.8	1.0	-0.6	1.7	2.5	4.2	4.1	6.6	0.5	0.8	1.3	1.7
Feb.	2.41	8.47	1.0	0.9	0.3	2.5	2.3	5.8	1.3	3.0	-0.8	2.0	3.0	5.6	4.4	7.6	0.0	0.7	0.9	1.5
Mar.	2.01	8.64	0.9	0.8	0.0	2.5	2.3	6.0	1.0	2.8	-1.0	2.2	2.9	4.0	4.4	9.1	0.3	1.1	1.1	1.6
Apr.	1.87	7.95	1.1	0.9	-0.3	1.3	2.3	5.9	1.0	3.0	-0.4	2.3	2.7	3.8	3.6	8.9	-0.1	0.5	1.1	1.6
May	1.23	5.82	1.0	0.7	-0.4	0.7	2.0	4.7	0.8	0.4	-1.6	2.2	2.6	3.1	3.3	7.8	0.1	0.0	1.6	2.3
Jun.	0.91	4.57	1.0	0.3	-0.5	1.1	1.9	3.7	0.8	-0.8	-0.8	2.1	2.5	2.7	3.5	7.8	0.3	0.1	1.9	2.9
Jul.	1.23	5.53	0.8	0.2	-0.4	1.1	1.8	2.8	0.7	-0.6	-0.7	2.1	2.4	2.8	3.2	6.8	0.4	1.0	1.9	2.7
Aug.	0.57	2.61	1.1	0.0	-0.5	0.6	1.3	1.5	0.5	0.1	-0.3	2.0	4.3	2.7	2.8	5.1	0.4	0.8	1.8	2.4
Sep.	0.33	0.87	1.5	-0.3	-0.5	0.6	1.9	2.7	1.3	5.2	-0.2	2.2	2.7	2.7	3.1	6.2	0.7	0.5	2.3	3.1
Oct.	1.70	5.23	1.6	-0.4	0.1	2.3	2.1	3.0	1.5	4.8	-0.1	1.9	1.2	2.6	3.3	7.1	0.8	0.3	2.3	3.4
Nov.	1.97	6.41	1.7	-0.4	0.5	3.6	2.3	3.2	1.5	4.6	0.0	2.0	1.2	3.2	3.6	8.5	0.8	1.2	2.5	3.3
Dec.	1.70	4.48	2.1	-0.2	0.3	2.5	2.1	2.2	1.3	4.1	0.2	2.0	1.2	3.1	3.0	5.7	1.7	2.3	2.6	3.6
2017	2.25	2.98	...	...	...	...	2.5	2.5	2.0	5.3	...	...	...	...	3.5	4.1	1.9	3.0	2.7	3.4
Jan.	2.25	2.98	...	...	...	...	2.5	2.5	2.0	5.3	...	...	...	...	3.5	4.1	1.9	3.0	2.7	3.4

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

Note : 1. The CPIs of Taiwan, South Korea and Germany 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

Period	Employees on payrolls			Industry & services						Manufacturing			
	Industry & services (Thousand person)	Industry (Thousand person)	Services (Thousand person)	Average monthly working hours of all employees (Hour)	Accessions (%)	Separations (%)	Monthly earnings of all employees (dollars)	Regular earnings		Employees on payrolls (Thousand person)	Monthly earnings of all employees (dollars)	Index of labor productivity (2011=100)	Index of unit output labor cost (2011=100)
								(dollars)	Annual growth rate (%)				
2008	6,632	3,045	3,587	179.7	2.35	2.46	44,367	36,387	0.19	2,557	43,121	82.93	120.42
2009	6,466	2,873	3,593	176.7	2.25	2.28	42,182	35,629	-2.08	2,395	39,125	83.87	111.31
2010	6,691	2,990	3,701	181.1	2.83	2.50	44,359	36,214	1.64	2,494	42,300	96.88	98.84
2011	6,926	3,097	3,829	178.7	2.61	2.38	45,508	36,689	1.31	2,593	43,316	100.00	100.00
2012	7,049	3,129	3,919	178.4	2.27	2.18	45,589	37,151	1.26	2,619	43,689	99.34	102.25
2013	7,138	3,152	3,986	177.0	2.34	2.21	45,664	37,527	1.01	2,635	43,829	99.37	102.53
2014	7,275	3,207	4,068	177.9	2.51	2.35	47,300	38,208	1.81	2,687	45,207	103.46	101.09
2015	7,385	3,239	4,147	175.3	2.33	2.23	48,490	38,716	1.33	2,717	46,781	102.52	107.38
Nov.	7,421	3,243	4,178	176.5	1.99	1.88	42,545	38,834	1.45	2,718	41,146	99.26	97.30
Dec.	7,427	3,243	4,185	188.1	1.82	1.74	46,736	39,129	1.04	2,717	43,879	96.60	100.15
2016 Jan.~Nov.	7,445	3,244	4,201	168.9	2.30	2.23	48,887	39,193	1.33	2,722	47,412	108.16	107.62
Jan.	7,431	3,240	4,191	173.8	2.00	1.95	75,321	39,141	1.54	2,717	74,735	101.00	177.44
Feb.	7,412	3,231	4,181	132.9	1.82	2.08	59,508	38,636	1.28	2,712	56,609	113.41	159.10
Mar.	7,417	3,235	4,182	186.3	2.52	2.45	43,880	39,208	1.78	2,714	40,798	100.52	90.24
Apr.	7,418	3,234	4,184	162.3	2.21	2.20	43,560	39,241	1.68	2,712	40,694	109.43	95.18
May	7,423	3,237	4,186	175.9	2.14	2.07	45,828	39,260	1.61	2,715	43,107	106.33	95.42
Jun.	7,429	3,239	4,190	172.1	2.22	2.14	44,998	39,151	0.82	2,717	42,883	108.44	95.15
Jul.	7,464	3,254	4,210	170.1	2.86	2.38	46,919	39,205	0.86	2,730	47,881	110.46	105.67
Aug.	7,472	3,254	4,218	185.3	2.64	2.54	45,713	39,318	1.40	2,729	45,835	103.49	98.88
Sep.	7,467	3,249	4,218	162.0	2.56	2.62	45,205	39,135	0.99	2,726	43,749	114.19	97.63
Oct.	7,474	3,251	4,223	160.5	2.29	2.19	43,069	39,362	1.08	2,728	41,927	117.13	91.89
Nov.	7,487	3,261	4,226	176.5	2.03	1.85	43,876	39,464	1.62	2,736	43,377	108.63	93.23
The change compared with last month(%)	0.17	0.30	0.08	(16.0)	(-0.26)	(-0.34)	1.87	0.26		0.28	3.46	-7.26	1.46
The change compared with the same month of last year(%)	0.89	0.55	1.14	(0.0)	(0.04)	(-0.03)	3.13	1.62		0.66	5.42	9.44	-4.18
The change compared with the same period (Jan. ~ Nov.) of last year(%)	0.86	0.18	1.39	(-5.2)	(-0.07)	(-0.05)	0.49	1.33		0.19	0.78	4.91	-0.39

Note : 1. Numbers in quotation mark are time-increased, time-decreased or percentage.

2. 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.
3. 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.
4. Both Industry & Services and Services Sectors statistics covered Education Industry (only other education and educational support activities are included) since January 2009.