

GDP: Preliminary Estimate for 2017Q2 and Outlook for 2017-18

August 18, 2017 According to the preliminary estimate, Taiwan's real gross domestic product (GDP) increased by 2.13% in 2017Q2, compared to the same period of the previous year (yoy), and the revised estimate of real GDP grew by 2.66% (yoy) in Q1. The real GDP is predicted to grow 2.11% and 2.27% in 2017 and 2018, respectively.

Preliminary Estimate of Real GDP in 2017Q2

In 2017Q2, the real GDP increased 0.47%, compared with the previous quarter on seasonally-adjusted annualized basis (saar), and grew by 2.13% on a year-on-year basis (yoy), 0.03 percentage point higher than the advance estimate.

Meanwhile, the economic growth rate of 2017Q1 has been revised to 2.66% (formerly 2.60%).

On the demand side, real private final consumption grew by 2.05% (yoy) in 2017Q2, mainly reflected the increase of consumption on financial transactions and foreign travels.

Real gross capital formation expanded by 0.17% (yoy), a pullback from 8.13% in the previous quarter, mainly due to the sharp decline in machinery and transport equipment investment.

Meanwhile, real exports of goods and services grew by 4.97% (yoy), mainly driven by the foreign demand for parts of electronic product, basic metals and machinery. Imports also increased by 4.37% (yoy).

On the production side, the manufacturing sector grew by 3.81% (yoy) in 2017Q2, following the 6.82% increase in the previous quarter, mainly due to the surge in output of semiconductor and machinery-and-equipment.

The wholesale & retail trade sector and the transportation & storage sector increased by 2.95% and 3.18% (both yoy) respectively, after the expansion of 3.58% and 7.02% growth in the previous quarter.

Forecast for 2017

The global economy is expected to pickup modestly, supported by the sustained recovery both in the advanced economies and emerging markets. However, the pace of monetary policy normalizing in major countries and geopolitical conflict issues will likely add downside risks for the world economy.

Benefiting from the recovering global demand, particularly demand for electronic

products and new technological applications, such as internet of things (IOT), automotive electronics, and artificial intelligence, are expected to support the momentum of Taiwan's goods exports. It's projected that the real exports of goods and services will grow by 4.02% in 2017.

Real private fixed capital formation is expected to grow by 2.13%, attributing to the continuing investment of semiconductor manufacturing and government's promotions on business investments and innovations.

Real private consumption, supported by the accelerated economic growth, improving labor market and the vibrant stock market performances, might be dampened by the weakened real wage growth. It is expected to grow by 1.89%.

For the whole 2017, the projected economic growth is 2.11%, 0.06 percentage point higher than the previous forecast released in May. And CPI for 2017 is expected to increase 0.66%, lower by 0.29 percentage point, mainly reflecting the moderated global crude oil prices and stable weather.

Outlook for 2018

The world economy is expected to continue growing at a modest pace for 2018, which helps to sustain Taiwan's export growth. Combining the contribution from domestic sector, real GDP will grow by 2.27% in 2018. CPI will gently rise by 0.87%.

For further information:

Statistics Database:

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

DGBAS news releases on the Internet:

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Gross Domestic Products of 2017Q3 (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	—	—
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	17,118,694	—	15,872,877	—	1.48	—	—
I	4,260,531	4,263,617	3,786,618	3,939,245	-0.23	1.18	4.80
II	4,146,530	4,273,040	3,893,377	3,952,842	1.13	0.35	1.39
III	4,288,301	4,255,691	4,037,876	3,983,414	2.12	0.77	3.13
IV	4,423,332	4,326,346	4,155,006	3,997,376	2.79	0.35	1.41
2017(f)	17,319,452	—	16,207,154	—	2.11	—	—
I (r)	4,296,182	4,290,011	3,887,220	4,031,572	2.66	0.86	3.47
II (p)	4,162,156	4,313,396	3,976,265	4,036,331	2.13	0.12	0.47
III (f)	4,382,032	4,339,154	4,114,016	4,060,001	1.89	0.59	2.37
IV (f)	4,479,082	4,376,891	4,229,653	4,079,250	1.80	0.47	1.91
2018(f)	17,788,135	—	16,574,490	—	2.27	—	—
I (f)	4,405,024	4,397,766	3,971,489	4,114,718	2.17	0.87	3.52
II (f)	4,293,813	4,452,653	4,064,714	4,129,305	2.22	0.35	1.43
III (f)	4,498,913	4,456,862	4,208,689	4,151,529	2.30	0.54	2.17
IV (f)	4,590,385	4,480,854	4,329,598	4,178,938	2.36	0.66	2.67

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
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	17,118,694	2.15	529,910	15,872,877	1.48	17,685,971	547,402	14,906,823	461,400	14,838,378	1.66
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	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	4,423,332	3.30	139,186	4,155,006	2.79	4,535,901	142,728	3,810,649	119,907	3,869,193	2.25
2017											
I (r)	4,296,182	0.84	138,141	3,887,220	2.66	4,436,936	142,667	3,734,497	120,080	3,632,676	0.12
II (p)	4,162,156	0.38	137,501	3,976,265	2.13	4,261,169	140,772	3,591,829	118,660	3,610,109	0.63

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
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	0.65	0.80	1.27	0.13	-2.18	-2.63	1.40	-2.99
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	-0.24	0.44	1.01	0.52	-3.24	-2.43	0.71	-3.42
IV	0.49	1.01	1.03	-0.08	-0.78	-0.72	1.78	-0.14
2017(f)	-0.92	0.03	0.60	-0.23	-1.33	0.09	0.66	0.20
I (r)	-1.78	0.16	1.29	-0.08	-0.71	2.90	0.78	2.30
II (p)	-1.71	-0.31	0.14	-1.37	-2.41	-0.66	0.56	-0.70
III (f)	0.29	0.35	0.89	0.19	-0.30	-0.47	0.98	0.05
IV (f)	-0.53	-0.11	0.89	0.18	-2.01	-1.22	0.34	-0.85
2018(f)	0.43	0.45	1.01	0.67	0.26	0.55	0.87	0.75
I (f)	0.36	0.53	0.63	0.72	-2.38	-2.57	0.95	-2.00
II (f)	0.92	0.78	1.32	1.02	0.87	1.07	1.19	1.03
III (f)	0.37	0.45	0.85	0.44	1.07	1.53	0.87	1.65
IV (f)	0.11	0.06	0.87	0.57	1.35	2.04	0.48	2.41

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
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	17,118,694	15,041,451	9,028,705	2,445,745	3,583,436	2,953,442	186,540	443,454	-16,435	2,077,243	10,763,899	8,686,656
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	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	4,423,332	3,834,506	2,282,344	628,728	932,346	710,697	70,782	150,867	-8,912	588,826	2,936,913	2,348,087
2017(f)	17,319,452	15,293,710	9,201,471	2,447,165	3,651,325	2,997,129	192,505	461,691	-6,251	2,025,742	11,047,427	9,021,685
I (r)	4,296,182	3,810,463	2,288,379	640,669	879,567	759,707	31,745	88,115	1,848	485,719	2,677,594	2,191,875
II (p)	4,162,156	3,693,630	2,261,935	563,865	850,173	697,353	42,728	110,092	17,657	468,526	2,682,480	2,213,954
III (f)	4,382,032	3,867,622	2,328,002	598,083	961,472	808,489	42,293	110,690	-19,935	514,410	2,806,359	2,291,949
IV (f)	4,479,082	3,921,995	2,323,155	644,548	960,113	731,580	75,739	152,794	-5,821	557,087	2,880,994	2,323,907
2018(f)	17,788,135	15,700,528	9,420,177	2,488,998	3,774,611	3,064,954	196,251	513,406	16,742	2,087,607	11,403,663	9,316,056
I (f)	4,405,024	3,920,168	2,343,297	662,391	912,477	783,272	32,364	96,841	2,003	484,856	2,665,422	2,180,566
II (f)	4,293,813	3,792,495	2,321,523	571,725	889,354	721,730	45,528	122,096	9,893	501,318	2,792,363	2,291,045
III (f)	4,498,913	3,967,608	2,385,014	607,097	984,291	817,008	42,505	124,778	-8,794	531,305	2,928,805	2,397,500
IV (f)	4,590,385	4,020,257	2,370,343	647,785	988,489	742,944	75,854	169,691	13,640	570,128	3,017,073	2,446,945

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					
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
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	100.00	87.87	52.74	14.29	20.93	17.25	1.09	2.59	-0.10	12.13	62.88	50.74
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	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	100.00	86.69	51.60	14.21	21.08	16.07	1.60	3.41	-0.20	13.31	66.40	53.08
2017(f)	100.00	88.30	53.13	14.13	21.08	17.30	1.11	2.67	-0.04	11.70	63.79	52.09
I (r)	100.00	88.69	53.27	14.91	20.47	17.68	0.74	2.05	0.04	11.31	62.32	51.02
II (p)	100.00	88.74	54.35	13.55	20.43	16.75	1.03	2.65	0.42	11.26	64.45	53.19
III (f)	100.00	88.26	53.13	13.65	21.94	18.45	0.97	2.53	-0.45	11.74	64.04	52.30
IV (f)	100.00	87.56	51.87	14.39	21.44	16.33	1.69	3.41	-0.13	12.44	64.32	51.88
2018(f)	100.00	88.26	52.96	13.99	21.22	17.23	1.10	2.89	0.09	11.74	64.11	52.37
I (f)	100.00	88.99	53.20	15.04	20.71	17.78	0.73	2.20	0.05	11.01	60.51	49.50
II (f)	100.00	88.32	54.07	13.32	20.71	16.81	1.06	2.84	0.23	11.68	65.03	53.36
III (f)	100.00	88.19	53.01	13.49	21.88	18.16	0.94	2.77	-0.20	11.81	65.10	53.29
IV (f)	100.00	87.58	51.64	14.11	21.53	16.18	1.65	3.70	0.30	12.42	65.73	53.31

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
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	1.48	2.15	2.24	3.13	2.46	2.95	-3.03	1.26	--	--	2.10	3.40
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	2.12	2.89	2.70	3.37	3.66	3.99	-6.39	4.65	--	--	3.66	5.34
IV	2.79	3.01	2.01	1.25	5.83	6.55	-0.60	5.16	--	--	7.96	9.59
2017(f)	2.11	1.70	1.89	-0.55	2.13	1.70	4.93	3.74	--	--	4.02	3.77
I (r)	2.66	2.22	1.88	-4.73	4.50	3.53	19.66	7.58	--	--	7.29	7.60
II (p)	2.13	1.40	2.05	0.82	-0.32	-0.98	-8.50	8.14	--	--	4.97	4.37
III (f)	1.89	1.03	1.74	-0.30	1.66	1.53	6.51	0.75	--	--	4.43	3.57
IV (f)	1.80	2.15	1.89	1.61	2.79	2.73	7.54	0.97	--	--	0.11	0.18
2018(f)	2.27	2.02	1.92	0.69	2.68	1.55	1.37	10.59	--	--	2.96	2.69
I (f)	2.17	2.26	1.86	2.75	3.00	2.33	1.04	9.52	--	--	1.97	2.11
II (f)	2.22	1.61	1.84	0.07	3.55	2.37	5.29	10.35	--	--	3.20	2.38
III (f)	2.30	2.05	1.99	0.65	1.92	0.61	0.30	12.00	--	--	3.26	3.03
IV (f)	2.36	2.16	1.97	-0.37	2.37	0.99	-0.13	10.34	--	--	3.33	3.19

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
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	1.48	1.88	1.17	0.44	0.51	0.51	-0.03	0.03	-0.24	-0.40	1.35	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	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	2.79	2.63	1.08	0.16	1.21	1.12	-0.04	0.13	0.18	0.16	5.12	4.96
2017(f)	2.11	1.49	1.00	-0.08	0.45	0.29	0.05	0.1	0.13	0.61	2.53	1.91
I (r)	2.66	1.97	1.04	-0.66	0.91	0.63	0.13	0.15	0.68	0.69	4.48	3.79
II (p)	2.13	1.24	1.09	0.11	-0.06	-0.17	-0.10	0.20	0.10	0.89	3.10	2.21
III (f)	1.89	0.91	0.91	-0.04	0.36	0.28	0.06	0.02	-0.31	0.97	2.79	1.81
IV (f)	1.80	1.86	0.95	0.24	0.59	0.44	0.12	0.02	0.07	-0.06	-0.03	0.03
2018(f)	2.27	1.78	1.02	0.10	0.57	0.27	0.02	0.28	0.10	0.48	1.89	1.40
I (f)	2.17	2.02	1.05	0.35	0.62	0.42	0.01	0.19	0.01	0.15	1.24	1.09
II (f)	2.22	1.42	0.99	0.01	0.72	0.39	0.05	0.27	-0.29	0.80	2.02	1.21
III (f)	2.30	1.81	1.05	0.09	0.43	0.12	0.00	0.30	0.24	0.49	2.09	1.60
IV (f)	2.36	1.88	0.99	-0.04	0.51	0.15	-0.01	0.36	0.42	0.48	2.16	1.67

Note : Contributions of component X on s season at t year= $\{P_{X,t-1}/P_{GDP,t-1} \times (rX_{t,s} - rX_{t-1,s})/rGDP_{t-1,s} + (rX_{t-1,s}/rGDP_{t-1,s} - rX_{t-1}/rGDP_{t-1}) \times (P_{X,t-1}/P_{GDP,t-1} - P_{X,t-2}/P_{GDP,t-2})\} \times 100\%$,
where rX : Chained dollar of component X ; rGDP : real GDP(reference year = 2011) ; P_X : Deflators of component X ; P_{GDP} : Deflators of GDP.

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

Unit: Million NT\$

Period	GDP	Agriculture, Forestry, Fishing and Animal Husbandry	Industry					Service									Statistical Discrepancy
			Mining and Quarrying	Manufacturing	Electricity and Gas Supply	Water Supply and Remediation Services	Construction	Wholesale and Retail Trade	Transportation and Storage	Information and Communication	Finance and Insurance	Real Estate and Ownership of Dwellings (1)	Public Administration and Defence ; Compulsory Social Security	Others (2)			
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
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	17,118,694	309,391	5,961,136	14,408	5,132,856	299,515	110,441	403,916	10,734,533	2,749,893	513,526	482,872	1,121,464	1,392,937	1,080,579	3,393,262	113,634
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	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	4,423,332	84,689	1,485,523	3,893	1,293,243	62,249	28,835	97,303	2,790,150	765,956	135,528	124,358	268,288	376,469	244,699	874,852	62,970
2017																	
I (r)	4,296,182	75,018	1,460,768	3,483	1,281,994	44,310	24,496	106,485	2,752,844	683,408	129,078	115,907	279,678	347,243	324,895	872,635	7,552
II (p)	4,162,156	83,398	1,446,704	3,504	1,256,342	53,171	31,378	102,309	2,628,367	668,497	119,640	112,977	304,975	352,931	252,888	816,459	3,687

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 Administration and Defence : Compulsory Social Security	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
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	100.00	1.82	35.06	0.08	30.18	1.76	0.65	2.38	63.13	16.17	3.02	2.84	6.59	8.19	6.35	19.95
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	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	100.00	1.94	34.07	0.09	29.66	1.43	0.66	2.23	63.99	17.57	3.11	2.85	6.15	8.63	5.61	20.06
2017																
I (r)	100.00	1.75	34.06	0.08	29.89	1.03	0.57	2.48	64.19	15.94	3.01	2.70	6.52	8.10	7.58	20.35
II (p)	100.00	2.01	34.79	0.08	30.21	1.28	0.75	2.46	63.21	16.08	2.88	2.72	7.33	8.49	6.08	19.63

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
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	1.48	-6.90	2.04	-9.66	2.28	5.51	1.90	-2.80	1.37	0.63	3.33	3.15	2.40	1.30	0.15	1.50
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	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	2.79	-4.52	5.68	-11.22	6.15	2.74	3.67	-1.83	2.14	3.36	7.21	2.26	0.65	1.01	0.55	1.66
2017																
I (r)	2.66	4.21	5.61	2.86	6.82	-3.46	3.31	-0.89	2.34	3.58	7.02	1.46	3.90	1.83	1.36	0.76
II (p)	2.13	5.69	3.23	-1.33	3.81	-1.49	3.12	-1.15	1.56	2.95	3.18	1.22	1.75	1.26	0.58	0.65

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)

(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
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	1.48	-0.12	0.72	-0.01	0.68	0.11	0.01	-0.07	0.87	0.10	0.10	0.09	0.16	0.11	0.01	0.30
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	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	2.79	-0.08	1.95	-0.01	1.80	0.18	0.02	-0.04	1.34	0.57	0.21	0.06	0.05	0.08	0.05	0.32
2017																
I (r)	2.66	0.05	1.89	0.00	1.95	-0.05	0.02	-0.03	1.52	0.61	0.21	0.04	0.26	0.15	0.09	0.16
II (p)	2.13	0.13	1.13	0.00	1.15	-0.01	0.02	-0.03	0.99	0.47	0.10	0.04	0.12	0.10	0.04	0.12

Note : 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 = 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
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	5,997,009	33.91	3,567,001	20.17	2,430,008	13.74	40.52	68.12
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	1,515,277	34.19	941,510	21.24	573,767	12.95	37.87	60.94
IV	1,536,531	33.87	923,434	20.36	613,097	13.52	39.90	66.39
2017(f)	6,080,059	34.06	3,645,074	20.42	2,434,985	13.64	40.05	66.80
I (r)	1,469,303	33.12	881,415	19.87	587,888	13.25	40.01	66.70
II (p)	1,404,124	32.95	867,830	20.37	536,294	12.59	38.19	61.80
III (f)	1,567,676	34.67	941,537	20.82	626,139	13.85	39.94	66.50
IV (f)	1,638,956	35.39	954,292	20.61	684,664	14.79	41.77	71.75
2018(f)	6,314,733	34.44	3,791,353	20.68	2,523,380	13.76	39.96	66.56
I (f)	1,540,650	33.70	914,480	20.01	626,170	13.70	40.64	68.47
II (f)	1,466,833	33.39	899,247	20.47	567,586	12.92	38.69	63.12
III (f)	1,616,373	34.85	975,497	21.03	640,876	13.82	39.65	65.70
IV (f)	1,690,877	35.72	1,002,129	21.17	688,748	14.55	40.73	68.73

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
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	333,984	-1.79	269,573	-1.03	64,411	280,321	-1.76	230,568	-2.80	49,753
I	75,906	-10.59	59,794	-10.92	16,112	62,656	-12.13	50,416	-14.16	12,240
II	80,677	-6.57	65,799	-7.05	14,878	68,629	-6.26	56,759	-7.68	11,870
III	84,669	-0.04	69,833	2.35	14,836	71,274	0.07	59,227	-0.35	12,048
IV	92,732	10.24	74,147	11.97	18,585	77,762	11.72	64,167	11.45	13,596
2017(f)	362,178	8.44	295,745	9.71	66,433	306,524	9.35	255,861	10.97	50,664
I (r)	85,686	12.88	70,140	17.30	15,546	72,089	15.06	61,303	21.59	10,786
II (p)	88,726	9.98	73,215	11.27	15,511	75,627	10.20	63,590	12.03	12,037
III (f)	92,558	9.32	75,592	8.25	16,966	78,796	10.55	64,628	9.12	14,168
IV (f)	95,208	2.67	76,798	3.58	18,410	80,012	2.89	66,340	3.39	13,672
2018(f)	376,856	4.05	307,867	4.10	68,989	318,976	4.06	267,194	4.43	51,782
I (f)	88,084	2.80	72,061	2.74	16,023	74,191	2.92	63,031	2.82	11,160
II (f)	92,279	4.00	75,712	3.41	16,567	78,583	3.91	66,118	3.98	12,465
III (f)	96,788	4.57	79,230	4.81	17,558	82,258	4.39	67,940	5.12	14,318
IV (f)	99,705	4.72	80,864	5.29	18,841	83,944	4.91	70,105	5.68	13,839

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			Imports of Goods and Services
			Private Final Consumption	Government Final Consumption	Gross Capital Formation		Exports of Goods and Services	
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	3,939,245	3,653,053	2,192,158	598,708	860,568	289,700	2,822,211	2,532,511
II	3,952,842	3,682,893	2,201,449	578,876	902,518	266,937	2,856,917	2,589,980
III	3,983,414	3,719,141	2,208,477	585,430	925,660	252,971	2,933,574	2,680,603
IV	3,997,376	3,736,692	2,221,729	579,691	936,037	235,249	3,051,156	2,815,907
2017								
I (r)	4,031,572	3,719,867	2,232,124	570,809	917,410	302,467	3,033,189	2,730,722
II (p)	4,036,331	3,749,763	2,244,515	585,454	919,881	276,615	2,993,871	2,717,256
III (f)	4,060,001	3,766,774	2,250,889	584,232	932,128	280,042	3,045,657	2,765,615
IV (f)	4,079,250	3,806,384	2,263,030	589,428	954,925	254,290	3,060,412	2,806,122
2018								
I (f)	4,114,718	3,806,834	2,274,279	587,123	946,174	297,036	3,088,234	2,791,198
II (f)	4,129,305	3,810,415	2,285,489	585,394	940,027	310,998	3,093,857	2,782,859
III (f)	4,151,529	3,844,099	2,296,468	587,070	961,737	292,750	3,142,242	2,849,492
IV (f)	4,178,938	3,885,003	2,306,529	586,514	994,303	274,869	3,167,771	2,892,902

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	
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	4.80	1.12	1.82	14.31	-9.06	--	-0.84	-7.44	
II	1.39	3.31	1.71	-12.61	20.97	--	5.01	9.39	
III	3.13	4.00	1.28	4.61	10.66	--	11.17	14.75	
IV	1.41	1.90	2.42	-3.86	4.56	--	17.02	21.77	
2017									
I (r)	3.47	-1.79	1.88	-5.99	-7.73	--	-2.33	-11.56	
II (p)	0.47	3.25	2.24	10.66	1.08	--	-5.09	-1.96	
III (f)	2.37	1.83	1.14	-0.83	5.43	--	7.10	7.31	
IV (f)	1.91	4.27	2.18	3.61	10.15	--	1.95	5.99	
2018									
I (f)	3.52	0.05	2.00	-1.56	-3.62	--	3.69	-2.11	
II (f)	1.43	0.38	1.99	-1.17	-2.57	--	0.73	-1.19	
III (f)	2.17	3.58	1.94	1.15	9.56	--	6.40	9.93	
IV (f)	2.67	4.32	1.76	-0.38	14.25	--	3.29	6.23	

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
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	-3.2	-15.7	4.5	10.7	8.5	13.20
I	2.8	7.0	3.2	-6.7	-3.7	-0.2	13.7	10.5	12.69
II	1.2	4.0	2.5	-3.4	-22.8	4.7	10.5	9.3	12.83
III	1.9	4.6	3.4	-1.4	-9.3	6.8	11.9	8.1	12.99
IV	1.7	3.2	5.4	-1.4	-25.0	6.7	6.6	6.6	13.20
2017									
I	-0.6	-0.8	2.8	5.0	8.6	1.0	6.6	7.9	13.39
II	-0.2	2.2	2.6	2.7	26.3	-5.3	7.0	7.1	13.52
Apr.	0.4	2.1	5.5	2.1	14.5	-2.7	6.7	1.3	13.44
May	0.9	3.5	2.1	1.8	20.1	-6.7	11.4	5.9	13.49
Jun.	-1.8	0.9	0.2	4.2	44.4	-6.2	3.4	12.0	13.52

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	9,791	-13.2	312	-9.2	4.0
2009	-17.3	-19.1	7,813	-20.2	237	-24.0	-3.7
2010	30.5	-9.2	12,345	58.0	391	65.1	23.0
2011	11.4	7.6	11,009	-10.8	375	-4.2	10.5
2012	-5.1	7.1	10,338	-6.1	349	-6.9	7.3
2013	-1.9	3.7	10,893	5.4	367	5.2	1.8
2014	13.5	10.6	11,641	6.9	385	4.7	8.7
2015	0.5	3.6	12,054	3.5	381	-1.1	-1.0
I	7.4	1.5	2,670	-4.8	85	-8.9	6.5
II	1.5	7.2	2,995	-2.0	97	-4.2	5.9
III	-2.0	8.6	3,293	13.8	104	7.7	3.5
IV	-3.8	-1.4	3,097	7.2	95	0.9	-1.0
2016	-0.2	-9.1	13,738	14.0	427	12.1	2.5
I	-1.5	18.9	2,903	8.7	88	3.7	-0.9
II	1.8	-14.2	3,401	13.6	105	8.0	-2.8
III	-1.1	-8.4	3,527	7.1	111	6.5	-1.8
IV	0.0	-22.3	3,907	26.2	123	29.8	2.5
2017							
I	1.5	-10.1	3,298	13.6	106	20.4	2.1
II	-4.1	2.8	3,133	-7.9	104	-1.1	3.4
Apr.	-7.6	-1.6	1,108	11.7	36	19.0	2.4
May	-5.2	-1.4	1,094	-10.7	36	-3.9	2.9
Jun.	0.3	12.4	931	-21.4	31	-15.2	3.4

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	0.7	0.2	1.3	7.9	—	1.7	2.3	—	3.9	—
2013	2.20	—	1.7	—	2.0	—	0.3	0.6	0.6	1.9	7.8	—	3.1	2.9	—	5.0	—
2014	4.02	—	2.6	—	0.3	—	1.7	1.9	0.9	3.1	7.3	—	2.8	3.3	—	3.6	—
2015	0.72	—	2.9	—	1.1	—	2.2	1.5	1.1	2.2	6.9	—	2.4	2.8	—	1.9	—
I	4.01	3.25	3.8	3.2	-0.1	4.8	2.1	1.2	1.2	2.8	7.0	8.2	2.4	2.6	3.2	2.4	-2.8
II	0.66	-6.82	3.3	2.7	1.7	-0.5	2.2	1.8	0.9	2.4	7.0	7.0	3.1	2.4	1.6	2.0	0.5
III	-0.70	-0.03	2.4	1.6	2.0	0.9	2.1	1.7	0.8	1.8	6.9	7.4	2.3	3.0	5.3	2.1	2.6
IV	-0.79	0.07	2.0	0.5	0.9	-0.8	2.1	1.3	1.0	1.7	6.8	6.1	1.9	3.2	2.8	1.3	5.1
2016	1.48	—	1.5	—	1.0	—	1.9	1.9	1.2	1.8	6.7	—	2.0	2.8	—	2.0	—
I	-0.23	4.80	1.4	0.6	0.5	2.3	1.8	1.9	1.2	1.6	6.7	5.3	1.0	2.9	2.0	1.9	-0.5
II	1.13	1.39	1.2	2.2	0.9	1.4	1.8	1.9	1.2	1.7	6.7	7.8	1.8	3.4	3.6	1.9	0.8
III	2.12	3.13	1.5	2.8	1.1	1.3	1.8	1.8	0.9	2.0	6.7	7.4	2.0	2.6	2.0	1.2	-0.4
IV	2.79	1.41	1.8	1.8	1.7	1.7	2.0	1.8	1.2	1.9	6.8	7.0	3.2	2.4	2.0	2.9	12.3
2017																	
I	2.66	3.47	2.0	1.2	1.5	1.5	2.1	2.0	1.1	2.0	6.9	5.3	4.3	2.9	4.5	2.5	-2.1
II	2.13	0.47	2.1	2.6	2.0	4.0	2.3	2.1	1.8	1.7	6.9	7.0	3.8	2.7	2.4	2.9	2.2

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

Period	Unit:%																			
	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	5.8	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	-1.4	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	2.9	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	-0.1	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	0.3	-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	2.8	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
Jul.	1.23	5.53	0.8	0.2	-0.5	1.1	1.7	2.8	0.4	-0.6	-0.6	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	-0.2	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	2.6	2.7	3.1	6.2	0.7	0.5	2.3	3.1
Oct.	1.70	5.23	1.6	-0.4	0.2	2.3	2.2	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	1.3	3.2	3.6	8.5	0.8	1.2	2.5	3.3
Dec.	1.69	4.45	2.1	-0.2	0.3	2.5	2.0	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 Jan.~Jul.	0.69	0.18	2.1	0.5	0.4	1.0	1.4	-0.8	2.0	4.0	0.7	1.4	1.3	1.9	4.0	3.1	1.8	2.6	3.1	3.8
Jan.	2.24	2.97	2.5	-0.2	0.5	1.8	2.6	2.5	2.0	5.3	0.5	1.9	1.3	2.8	3.5	4.1	1.9	3.0	2.7	3.4
Feb.	-0.07	-0.76	2.7	0.0	0.2	0.8	0.8	-2.4	1.9	2.9	0.6	1.3	-0.1	0.4	3.8	4.4	2.2	4.1	3.3	4.1
Mar.	0.18	-1.73	2.4	0.5	0.2	0.5	1.0	-2.4	2.2	3.5	0.7	1.3	0.5	1.2	3.6	3.0	1.6	2.2	3.4	4.0
Apr.	0.10	-2.40	2.2	0.5	0.4	0.9	1.2	-1.8	1.9	2.6	0.4	1.3	2.0	1.9	4.2	2.8	2.0	1.7	3.4	4.2
May	0.59	-0.04	1.9	0.9	0.4	0.8	1.5	-0.5	2.0	3.4	1.4	1.5	2.0	2.4	4.3	3.4	1.5	2.3	3.1	3.8
Jun.	0.99	2.19	1.6	0.9	0.4	0.8	1.5	-0.2	1.9	4.6	0.5	1.4	1.9	2.5	4.4	2.4	1.6	2.6	2.7	3.5
Jul.	0.77	1.23	1.7	1.1	...	...	1.4	-0.7	2.2	5.6	...	...	...	...	3.9	1.5	1.7	2.6	2.8	3.3

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 Earnings 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		(NT\$)	Regular earnings		Overtime pay	
									(Hour)	Changes (Hour)		(NT\$)	Annual growth rate (%)	(NT\$)	Annual growth rate (%)
2008	6,632	3,045	3,587	155	2.35	164	2.46	179.7	8.2	-0.8	44,367	36,387	0.19	1,349	-8.36
2009	6,466	2,873	3,593	145	2.25	148	2.28	176.7	6.3	-1.9	42,182	35,629	-2.08	1,037	-23.13
2010	6,691	2,990	3,701	189	2.83	167	2.50	181.1	8.8	2.5	44,359	36,214	1.64	1,442	39.05
2011	6,926	3,097	3,829	181	2.61	165	2.38	178.7	8.4	-0.4	45,508	36,689	1.31	1,414	-1.94
2012	7,049	3,129	3,919	160	2.27	153	2.18	178.4	8.0	-0.4	45,589	37,151	1.26	1,389	-1.77
2013	7,138	3,152	3,986	167	2.34	158	2.21	177.0	8.4	0.4	45,664	37,527	1.01	1,494	7.56
2014	7,275	3,207	4,068	182	2.51	171	2.35	177.9	8.6	0.2	47,300	38,208	1.81	1,544	3.35
2015	7,385	3,239	4,147	171	2.33	165	2.23	175.3	8.3	-0.3	48,490	38,716	1.33	1,548	0.26
2016	7,449	3,246	4,204	168	2.27	163	2.18	169.5	8.5	0.2	48,790	39,238	1.35	1,642	6.07
May	7,423	3,237	4,186	159	2.14	154	2.07	175.9	8.5	-0.1	45,828	39,260	1.61	1,625	3.37
Jun.	7,429	3,239	4,190	165	2.22	159	2.14	172.1	8.2	-0.2	44,998	39,151	0.82	1,581	2.93
Jul.	7,464	3,254	4,210	213	2.86	177	2.38	170.1	8.5	0.1	46,919	39,205	0.86	1,633	3.55
Aug.	7,472	3,254	4,218	198	2.64	190	2.54	185.3	8.3	0.2	45,713	39,318	1.40	1,587	3.32
Sep.	7,467	3,249	4,218	191	2.56	196	2.62	162.0	8.2	0.3	45,205	39,135	0.99	1,588	4.54
Oct.	7,474	3,251	4,223	171	2.29	164	2.19	160.5	9.7	1.5	43,069	39,362	1.08	1,863	19.12
Nov.	7,487	3,261	4,226	152	2.03	139	1.85	176.5	9.3	1.5	43,876	39,464	1.62	1,822	21.63
Dec.	7,496	3,262	4,234	137	1.84	129	1.72	176.4	9.1	1.0	47,728	39,729	1.53	1,786	16.20
2017 Jan.~May	7,509	3,264	4,245	171	2.27	165	2.19	161.8	8.0	-0.1	55,233	39,707	1.56	1,701	8.55
Jan.	7,500	3,256	4,244	151	2.01	147	1.95	153.0	8.1	0.0	93,144	39,679	1.37	1,707	11.42
Feb.	7,493	3,257	4,236	162	2.16	169	2.25	149.0	7.7	0.3	45,720	39,362	1.88	1,654	13.60
Mar.	7,509	3,266	4,243	201	2.67	185	2.46	185.1	8.0	-0.1	44,144	39,781	1.46	1,693	6.41
Apr.	7,517	3,269	4,248	176	2.34	168	2.23	153.9	8.1	-0.4	44,359	39,826	1.49	1,719	5.27
May	7,525	3,271	4,254	165	2.19	156	2.07	168.0	8.1	-0.4	48,848	39,883	1.59	1,731	6.52
The change compared with the last month(%)	0.12	0.08	0.14	-6.21	-0.15	-7.06	-0.16	14.1	0.0		10.12	0.14		0.70	
The change compared with the same month of last year(%)	1.38	1.07	1.62	3.98	0.05	1.65	0.00	-7.9	-0.4		6.59	1.59		6.52	
The change compared with the same period (Jan. ~ May) of last year(%)	1.19	0.88	1.44	7.66	0.14	3.29	0.04	-4.5	-0.1		3.00	1.56		8.55	

Note : 1. Numbers in quotation are working hour increased/decreased or percentage.

2. 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, annul 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.

Table 13 Major Figures of Family Income and Expenditure (1/2)

Unit : 10 thousand NT\$

Year	No. of persons per household (Person)	No. of persons employed per household (Person)	Current receipts per household					Average disposable income				Median disposable income				Expenditure		Savings	
			Compen- sation of employees	Entrepre- neurial income	Property income	Transfer income	Per household		Per person		Per household		Per person		Amount	Increase Rate (%)	Amount	Increase Rate (%)	
							Amount	Increase Rate (%)	Amount	Increase Rate (%)	Amount	Increase Rate (%)	Amount	Increase Rate (%)					
1991	4.16	1.76	71.1	42.9	14.0	9.9	4.4	58.7	12.9	14.1	13.7	51.0	12.6	11.9	13.4	41.2	11.2	17.5	17.1
1996	3.92	1.71	105.1	57.9	18.7	16.3	12.1	82.6	1.9	21.1	2.4	72.1	2.9	18.0	3.1	61.4	4.0	21.2	-3.8
1997	3.84	1.69	109.7	61.0	19.0	17.2	12.5	86.3	4.5	22.5	6.7	75.0	4.1	19.1	6.2	63.4	3.3	22.9	8.0
1998	3.77	1.64	111.6	62.2	17.9	18.1	13.4	87.3	1.1	23.2	3.0	76.4	1.8	19.5	2.3	64.6	1.9	22.7	-0.9
1999	3.63	1.60	113.6	62.8	18.0	18.1	14.7	88.9	1.8	24.5	5.7	77.6	1.6	20.7	5.8	65.5	1.4	23.4	3.1
2000	3.62	1.58	113.9	63.2	17.5	18.4	14.9	89.1	0.3	24.6	0.5	77.6	0.0	20.8	0.5	66.3	1.1	22.9	-2.2
2001	3.58	1.56	110.8	60.2	17.6	17.7	15.3	86.9	-2.6	24.3	-1.5	73.8	-5.0	20.1	-3.3	65.8	-0.7	21.1	-7.8
2002	3.65	1.57	111.2	60.5	17.7	16.4	16.5	87.6	0.8	24.0	-1.1	74.1	0.4	19.9	-1.0	67.3	2.2	20.3	-3.5
2003	3.53	1.54	111.2	61.5	17.1	15.9	16.7	88.2	0.7	25.0	4.1	74.0	-0.1	20.8	4.8	66.6	-0.9	21.5	5.9
2004	3.50	1.53	112.3	62.1	17.0	16.1	17.1	89.1	1.1	25.5	2.0	77.3	4.6	21.4	2.6	69.3	3.9	19.9	-7.8
2005	3.42	1.51	113.4	62.9	16.4	16.2	17.9	89.5	0.4	26.2	2.7	77.6	0.3	21.9	2.5	70.1	1.2	19.3	-2.6
2006	3.41	1.52	115.1	63.6	16.8	17.0	17.8	91.3	2.1	26.8	2.4	79.6	2.6	22.5	2.8	71.3	1.7	20.0	3.4
2007	3.38	1.50	116.2	64.1	16.0	17.4	18.7	92.4	1.2	27.3	2.1	80.0	0.4	23.0	2.2	71.6	0.4	20.8	3.9
2008	3.35	1.49	115.1	62.3	15.0	17.0	20.8	91.4	-1.1	27.3	-0.2	79.6	-0.5	22.8	-1.0	70.5	-1.5	20.8	0.2
2009	3.34	1.46	112.8	60.9	14.5	17.1	20.3	88.8	-2.9	26.6	-2.6	77.0	-3.3	22.5	-1.2	70.6	0.0	18.2	-12.7
2010	3.25	1.44	112.4	61.9	14.5	16.6	19.3	88.9	0.2	27.4	3.0	77.1	0.2	23.2	3.1	70.2	-0.5	18.7	2.8
2011	3.29	1.49	115.8	64.7	14.7	17.0	19.4	90.8	2.1	27.6	0.9	78.3	1.5	23.4	0.7	72.9	3.8	17.9	-4.3
2012	3.23	1.46	117.7	64.7	14.8	16.9	21.2	92.4	1.7	28.6	3.6	80.8	3.3	24.3	4.1	72.8	-0.2	19.6	9.4
2013	3.21	1.46	119.6	65.6	15.0	17.0	22.0	94.2	2.0	29.4	2.7	82.3	1.8	25.0	3.0	74.8	2.8	19.4	-0.8
2014	3.15	1.45	121.4	66.8	15.2	17.7	21.8	95.7	1.6	30.4	3.5	83.0	0.9	26.0	3.8	75.5	1.0	20.2	3.8
2015	3.10	1.43	122.5	66.5	14.8	18.3	22.9	96.5	0.8	31.1	2.5	83.7	0.8	26.6	2.5	76.0	0.6	20.5	1.8
2016	3.07	1.42	125.3	67.4	15.4	18.6	23.9	99.3	2.9	32.3	3.9	85.8	2.5	27.7	3.9	77.7	2.3	21.6	5.4

Table 13 Major Figures of Family Income and Expenditure (2/2)

Year	Income Inequality Indices					
	Household income		Per capita income			
			Household income/household size		Household income/square root of household size	
	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient
1991	4.97	0.308	4.41	0.300	3.91	0.274
1996	5.38	0.317	4.12	0.290	3.82	0.270
1997	5.41	0.320	4.18	0.292	3.83	0.272
1998	5.51	0.324	4.18	0.296	3.82	0.273
1999	5.50	0.325	4.08	0.292	3.76	0.272
2000	5.55	0.326	4.15	0.294	3.80	0.273
2001	6.39	0.350	4.57	0.312	4.31	0.295
2002	6.16	0.345	4.59	0.313	4.32	0.296
2003	6.07	0.343	4.39	0.306	4.17	0.290
2004	6.03	0.338	4.28	0.301	4.05	0.284
2005	6.04	0.340	4.24	0.300	4.03	0.284
2006	6.01	0.339	4.18	0.295	3.98	0.281
2007	5.98	0.340	4.16	0.296	4.03	0.284
2008	6.05	0.341	4.23	0.300	4.02	0.284
2009	6.34	0.345	4.35	0.302	4.18	0.286
2010	6.19	0.342	4.25	0.296	4.10	0.283
2011	6.17	0.342	4.29	0.296	4.14	0.283
2012	6.13	0.338	4.14	0.290	4.02	0.276
2013	6.08	0.336	4.08	0.288	3.95	0.273
2014	6.05	0.336	3.98	0.282	3.91	0.271
2015	6.06	0.338	3.91	0.279	3.87	0.270
2016	6.08	0.336	3.89	0.278	3.83	0.268

Explanation : 1. Per capita income is calculated as the ratio of per capita income of first quintile to per capita income of fifth quintile. All the population ranked in ascending order of per capita income is divided in to five quintiles. Per capita income is calculated as household income divided by household size(or the square root of household size) .
 2. The figures of income inequality measured by per capita income is lower than per household income.

Table 14 The Change of Disposable Income per Household Occurred by Current Transfers between Households and Government

Unit:NT\$,%

Year	Household Income Without Current Transfer From Government		Household Current Transfer Income From Government	Household Income Including Current Transfer Income From Government		Household With Current Transfers Income to Government		Disposable Income				Ratio Difference				
	Amount		Ratio A	Amount		Amount		Amount		Amount		Ratio C	With Current Transfer From Government	With Current Transfers to Government	With Current Transfers	
	(1)	(1)		(2)	(2)	(3)=(1)+(2)	(3)=(1)+(2)	(4)	(4)	(3)-(4)	(3)-(4)					
	Lowest 20%	Highest 20%	Lowest 20%	Highest 20%	Lowest 20%	Highest 20%	Lowest 20%	Highest 20%	Lowest 20%	Highest 20%	Lowest 20%	Highest 20%	A-B	B-C	A-C	
1991	220,546	1,172,180	5.31	12,155	8,150	232,701	1,180,330	5.07	4,885	47,003	227,816	1,133,327	4.97	0.24	0.10	0.34
1996	266,794	1,647,316	6.17	38,128	27,106	304,922	1,674,422	5.49	6,479	67,388	298,443	1,607,034	5.38	0.68	0.11	0.79
1997	279,040	1,743,733	6.25	40,077	21,466	319,117	1,765,199	5.53	6,659	75,682	312,458	1,689,517	5.41	0.72	0.12	0.84
1998	272,961	1,772,676	6.49	44,550	22,783	317,511	1,795,459	5.65	6,646	81,362	310,865	1,714,097	5.51	0.84	0.14	0.98
1999	276,902	1,791,040	6.47	46,151	34,408	323,053	1,825,448	5.65	6,052	81,203	317,001	1,744,245	5.50	0.82	0.15	0.97
2000	275,106	1,806,917	6.57	47,042	25,490	322,148	1,832,407	5.69	6,976	83,774	315,172	1,748,633	5.55	0.88	0.14	1.02
2001	240,461	1,843,701	7.67	45,383	24,460	285,844	1,868,161	6.54	6,440	82,611	279,404	1,785,550	6.39	1.13	0.15	1.28
2002	249,057	1,860,246	7.47	50,804	26,845	299,861	1,887,091	6.29	7,748	87,358	292,113	1,799,733	6.16	1.18	0.13	1.31
2003	253,433	1,854,751	7.32	50,224	27,406	303,657	1,882,157	6.20	7,360	82,165	296,297	1,799,992	6.07	1.12	0.12	1.24
2004	249,938	1,852,680	7.41	54,760	28,097	304,698	1,880,777	6.17	7,393	88,981	297,305	1,791,796	6.03	1.24	0.15	1.39
2005	249,651	1,859,207	7.45	55,442	27,089	305,093	1,886,296	6.18	7,399	89,412	297,694	1,796,884	6.04	1.26	0.15	1.41
2006	253,670	1,890,858	7.45	57,750	27,491	311,420	1,918,349	6.16	7,146	90,962	304,274	1,827,387	6.01	1.29	0.15	1.45
2007	256,032	1,926,114	7.52	63,488	28,902	319,520	1,955,016	6.12	7,375	88,225	312,145	1,866,791	5.98	1.40	0.14	1.54
2008	245,589	1,899,011	7.73	65,133	28,544	310,722	1,927,555	6.20	7,205	92,561	303,517	1,834,994	6.05	1.53	0.16	1.69
2009	222,089	1,825,384	8.22	67,524	49,296	289,613	1,874,680	6.47	7,353	84,262	282,260	1,790,418	6.34	1.75	0.13	1.88
2010	236,649	1,826,591	7.72	58,859	35,471	295,508	1,862,062	6.30	6,955	74,750	288,553	1,787,312	6.19	1.42	0.11	1.53
2011	242,864	1,882,870	7.75	60,671	35,829	303,535	1,918,699	6.32	7,183	91,345	296,352	1,827,354	6.17	1.43	0.16	1.59
2012	246,858	1,901,603	7.70	61,790	38,325	308,649	1,939,929	6.29	7,287	93,812	301,362	1,846,116	6.13	1.42	0.16	1.58
2013	256,448	1,930,716	7.53	59,976	37,361	316,423	1,968,076	6.22	6,964	85,396	309,459	1,882,680	6.08	1.31	0.14	1.45
2014	265,996	1,967,767	7.40	58,038	39,633	324,035	2,007,400	6.20	6,891	87,463	317,144	1,919,937	6.05	1.20	0.14	1.34
2015	270,869	1,986,344	7.33	56,530	41,058	327,399	2,027,402	6.19	7,088	87,684	320,312	1,939,718	6.06	1.14	0.14	1.28
2016	281,721	2,052,202	7.28	54,860	41,091	336,581	2,093,294	6.22	7,181	89,129	329,400	2,004,165	6.08	1.07	0.14	1.21

Table 15 Household Income Distribution of Major Countries(Area)

Year	Household income										Per capita income														
	Taiwan		Japan (a)		U.S. (a)		U.S. (b)		Hong Kong		Taiwan		Japan (b)		U.S. (b)		South Korea (a,urban)		South Korea (b)		Singapore (a)		Singapore (b,employed household)		Singapore (c,employed household)
	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Ratio of income share of highest 20% to that of lowest 20%	Gini's concentration coefficient	Gini's concentration coefficient
1997	5.41	0.320	4.78	9.50	0.38	13.89	0.46	-	-	4.18	0.292	-	-	12.08	0.44	3.80	0.26	-	-	-	-	-	-	-	-
1998	5.51	0.324	4.62	9.70	0.38	13.83	0.46	-	-	4.18	0.296	-	-	12.03	0.44	4.55	0.29	-	-	-	-	-	-	-	-
1999	5.50	0.325	4.85	9.89	0.41	13.64	0.46	-	-	4.08	0.292	4.84	0.306	12.10	0.44	4.62	0.29	-	-	-	-	-	-	-	-
2000	5.55	0.326	4.74	10.15	0.41	14.01	0.46	-	-	4.15	0.294	-	-	11.85	0.44	4.05	0.27	-	-	20.9	0.49	10.1	0.44	0.43	-
2001	6.39	0.350	4.68	10.44	0.41	14.40	0.47	17.22	0.52	4.57	0.312	-	-	12.20	0.45	4.29	0.28	-	-	19.5	0.49	11.1	0.45	0.44	-
2002	6.16	0.345	6.36	9.73	0.40	14.39	0.46	-	-	4.59	0.313	-	-	12.10	0.44	4.34	0.28	-	-	25.4	0.51	11.3	0.45	0.43	-
2003	6.07	0.343	6.11	9.40	0.39	14.71	0.46	-	-	4.39	0.306	-	-	12.46	0.45	4.22	0.27	-	-	28.1	0.51	11.5	0.46	0.42	-
2004	6.03	0.338	6.04	10.04	0.40	14.78	0.47	-	-	4.28	0.301	4.98	0.310	12.82	0.45	4.41	0.28	-	-	29.6	0.52	11.6	0.46	0.42	-
2005	6.04	0.340	5.97	10.17	0.40	14.98	0.47	-	-	4.24	0.300	-	-	12.92	0.45	4.55	0.28	-	-	31.9	0.52	12.1	0.47	0.42	-
2006	6.01	0.339	6.24	10.39	0.40	14.81	0.47	18.66	0.52	4.18	0.295	-	-	12.97	0.45	4.62	0.29	5.38	0.31	-	-	12.3	0.47	0.42	-
2007	5.98	0.340	6.39	10.29	0.40	14.54	0.46	-	-	4.16	0.296	-	-	12.76	0.44	4.84	0.29	5.60	0.31	-	-	13.0	0.48	0.44	-
2008	6.05	0.341	6.07	9.57	0.39	14.67	0.47	-	-	4.23	0.300	-	-	13.22	0.45	4.88	0.29	5.71	0.31	-	-	12.8	0.47	0.42	-
2009	6.34	0.345	6.25	9.59	0.39	14.79	0.47	-	-	4.35	0.302	5.13	0.313	13.72	0.46	4.97	0.30	5.75	0.31	-	-	12.6	0.47	0.42	-
2010	6.19	0.342	6.22	-	-	15.41	0.47	-	-	4.25	0.296	-	-	14.47	0.46	4.82	0.29	5.66	0.31	-	-	12.6	0.47	0.43	-
2011	6.17	0.342	6.24	-	-	15.84	0.48	20.70	0.52	4.29	0.296	-	-	14.71	0.46	4.82	0.29	5.73	0.31	-	-	12.5	0.47	0.42	-
2012	6.13	0.338	6.26	-	-	15.83	0.48	-	-	4.14	0.290	-	-	14.68	0.46	4.67	0.29	5.54	0.31	-	-	12.8	0.48	0.43	-
2013	6.08	0.336	6.12	-	-	15.90	0.48	-	-	4.08	0.288	-	-	14.17	0.46	4.56	0.28	5.43	0.30	-	-	12.1	0.46	0.41	-
2014	6.05	0.336	6.43	-	-	16.62	0.48	-	-	3.98	0.282	4.99	0.310	15.15	0.46	4.42	0.28	5.41	0.30	-	-	12.0	0.46	0.41	-
2015	6.06	0.338	6.30	-	-	16.25	0.48	-	-	3.91	0.279	-	-	14.65	0.46	4.20	0.27	5.11	0.30	-	-	11.8	0.46	0.41	-
2016	6.08	0.336	6.31	-	-	-	-	21.20	0.52	3.89	0.278	-	-	-	-	4.46	0.28	5.45	0.30	-	-	11.7	0.46	0.40	-

Explanation: The higher Gini's concentration coefficient, the more serious the inequality of income distribution.

Note: The data presents official releases of above countries. The comparison should be made cautiously for the difference of income definition. For example, Taiwan is disposable income from all households. U.S. (a) is income from all households after accounting for government cash benefits and taxes, the year of 2007 and before is including capital gains and non-cash transfers, the years of 2008 and 2009 is excluding capital gains. U.S. (b) is income before tax including government cash transfers, but excluding capital gains and non-cash transfers. Japan (a) is yearly income(before tax), and not incorporated with farm households till 1999, not with single households till 2002. Japan (b) is per capita disposable income for all households. South Korea (a) is per capita disposable income for the urban area households (1-person households and farm households are excluded),South Korea(b) is per capita disposable income for all households. Singapore(a) for all households, Singapore(b) and (c) for employed households, all including income from work, (a) and (b) are before accounting for government benefits and taxes, hence having higher ratios and coefficient, (c) is after that. The data of Hong Kong compute on post-tax household income and publish the report every five years.

Source: Japan: (a) Family income and expenditure survey, (b) National Survey of Family Income and Expenditure. South Korea: Annual Report on the Household Income and Expenditure Survey. U.S.: is from Current Population Survey Annual Social and Economic Supplements(CPS ASEC), (a) "Effects of Taxes and Transfers on Income and Poverty", (b) "Income, Poverty, and Health Insurance Coverage in the United States" Singapore: (a) General Household Survey, (b)(c) Data for the year of 2000 and 2010 is from the Census of Population; for the year of 2005 is from General Household Survey; for the year of 2001,2002,2003,2004,2006,2007,2008,2009,2011,2012,2013,2014,2015 and 2016 is from Labour Force Survey. Hong Kong: 2016 Population By-census, Thematic Report: Household Income Distribution in HK.

Table 16 Household Facilities and Housing in Taiwan Area

Unit:%

Year	Household Equipments										Transportation Equipments			Others			Housing					
	Color TV sets			Tele- phone	Washing Machine	Air Conditioner	Cable TV			Microwave Oven	Cell Phone	Motor- cycle	Sedan Vehicle	Personal Computer		News- paper	Maga- zine	Ownership of this house ^①			Area	
	Total	Others	LCD and PDP TV				Total	Others	MOD					Internet	Internet			Total	Self- owned Dwelling	Spouse, parents or children not living together	Average Space per Household (pin)	Average Space per Person (pin)
1991	99.2	99.2	...	94.8	89.5	52.4	...	...	...	22.2	...	79.2	33.7	9.6	...	62.0	13.6	80.4	...	34.4	8.3	
1996	99.3	99.3	...	97.5	93.0	71.7	59.6	59.6	...	35.2	...	80.8	51.2	22.6	...	52.3	12.5	84.5	...	38.1	9.7	
2001	99.3	99.3	...	97.8	95.1	80.5	72.3	72.3	...	48.0	79.5	79.7	55.6	50.9	76.3	38.8	14.3	85.6	...	41.0	11.5	
2002	99.6	99.6	...	97.9	96.0	83.1	74.8	74.8	...	49.5	83.6	81.0	58.2	56.8	80.9	38.1	14.7	85.4	...	41.7	11.4	
2003	99.5	99.5	...	97.8	96.6	84.5	76.1	76.1	...	50.2	84.6	81.0	57.4	58.7	82.1	35.8	13.1	85.1	...	41.9	11.9	
2004	99.5	99.5	...	97.6	96.9	85.7	78.5	78.5	...	45.0	85.7	80.8	58.0	62.4	85.2	33.6	12.9	86.8	...	42.4	12.1	
2005	99.5	99.5	...	97.6	96.7	85.7	79.0	79.0	...	45.3	86.2	80.9	58.4	63.2	88.4	32.3	12.4	87.3	...	42.2	12.3	
2006	99.6	99.6	...	97.4	97.0	87.5	79.8	79.8	...	46.1	88.0	81.7	59.1	66.1	90.2	28.2	12.2	87.8	...	42.8	12.6	
2007	99.4	99.4	...	96.7	97.5	87.6	79.9	79.9	...	45.6	88.9	83.0	58.7	67.1	91.7	26.6	11.1	88.1	...	43.3	12.8	
2008	99.4	87.4	26.8	96.0	97.3	87.5	81.7	79.6	3.9	44.9	89.8	82.2	58.4	69.3	92.7	23.6	10.0	87.4	...	43.2	12.9	
2009	99.6	81.5	34.9	95.9	97.4	88.3	82.0	79.4	4.5	45.5	90.6	82.9	59.2	70.5	93.6	21.6	9.8	87.9	...	44.0	13.2	
2010	99.4	74.8	43.0	95.7	97.8	89.1	83.0	79.5	5.7	44.4	90.6	82.3	57.8	71.3	94.8	21.1	8.9	88.3	84.9	3.4	43.1	13.2
2011	99.2	67.0	52.4	96.1	97.6	88.8	82.9	78.9	6.6	43.4	91.7	83.0	59.1	71.9	95.1	19.2	7.5	88.5	84.6	3.9	44.0	13.4
2012	99.3	56.3	61.6	94.8	98.1	89.9	83.2	77.7	7.5	43.3	92.3	83.1	58.4	72.3	94.9	17.8	6.5	89.2	85.8	3.4	43.6	13.5
2013	99.3	47.1	70.6	94.7	98.1	90.0	84.4	78.8	7.6	42.7	92.6	82.8	58.4	72.2	95.4	15.8	6.0	88.7	85.3	3.4	43.5	13.5
2014	99.2	38.0	77.1	94.0	98.5	91.7	84.8	78.3	8.9	42.1	93.1	82.9	58.7	70.7	94.9	14.6	5.8	88.3	84.0	4.3	44.1	14.0
2015	99.2	30.1	82.2	92.9	98.4	92.5	85.4	78.7	8.5	40.5	93.5	82.8	59.1	69.3	94.6	13.6	4.9	88.5	84.2	4.2	44.0	14.2
2016	99.1	21.7	87.5	92.8	98.5	93.2	85.9	78.5	8.9	41.7	94.6	83.5	59.7	68.8	94.7	13.1	5.0	89.5	85.4	4.1	44.3	14.4
by five equal divisions of household according to disposable income																						
1 Lowest 20%	98.1	30.5	74.5	86.3	95.5	82.4	73.1	68.6	4.8	22.6	79.2	70.2	23.6	26.4	83.5	7.5	0.8	84.0	77.2	6.9	37.5	22.2
2	99.2	22.5	86.0	90.9	98.7	92.1	85.0	78.7	6.8	35.0	96.0	83.5	47.5	58.8	92.3	10.6	2.4	86.4	81.2	5.2	40.5	16.1
3	99.4	20.8	89.9	94.0	99.1	95.5	89.8	82.6	8.6	43.6	98.3	88.0	65.3	76.9	94.3	12.8	3.2	89.0	84.5	4.4	43.9	13.6
4	99.5	18.8	92.3	95.7	99.4	97.1	90.3	81.9	10.2	50.1	99.6	89.6	76.6	87.8	96.8	15.0	6.1	93.0	90.7	2.3	47.5	12.7
5 Highest 20%	99.5	15.9	94.8	96.9	99.7	98.6	91.2	80.8	14.2	57.2	99.8	86.3	85.4	93.9	97.7	19.8	12.3	95.0	93.2	1.7	52.2	12.6

Explanation : pin \approx 3.31 square meters.

Note : ① Concerning ownership of the house, before 2010, the term "self-owned" means owned by household members and their lineal relatives. In 2010, the meaning is amended to owned by household members who usually live in this house in accordance with the definition of 2011 Population and Housing Census.

Table 17 Government Social Transfers In Kind Effect on Income Distribution, by Income Quintile

Year	Disposable income				Government social transfers in kind			Household income after government social transfers in kind				Government social transfers in kind effect A-B
	Average household income (NT\$)			Ratio of 1st quintile to 5th quintile (A)	Average household income (NT\$)			Average household income (NT\$)			Ratio of 1st quintile to 5th quintile (B)	
	All households	1st quintile	5th quintile		All households	1st quintile	5th quintile	All households	1st quintile	5th quintile		
2009	887,605	282,260	1,790,418	6.34	8,967	22,736	4,284	896,571	304,996	1,794,702	5.88	0.46
2010	889,353	288,553	1,787,312	6.19	9,101	24,424	4,262	898,454	312,977	1,791,574	5.72	0.47
2011	907,988	296,352	1,827,354	6.17	9,931	22,268	5,757	917,919	318,620	1,833,111	5.75	0.41
2012	923,584	301,362	1,846,116	6.13	11,376	24,186	7,384	934,960	325,548	1,853,500	5.69	0.43
2013	942,208	309,459	1,882,680	6.08	11,112	23,020	8,412	953,320	332,479	1,891,092	5.69	0.40
2014	956,849	317,144	1,919,937	6.05	11,320	24,092	8,518	968,169	341,236	1,928,455	5.65	0.40
2015	964,895	320,312	1,939,718	6.06	11,797	24,197	9,016	976,692	344,509	1,948,734	5.66	0.40
2016	993,115	329,400	2,004,165	6.08	12,548	23,996	10,041	1,005,663	353,396	2,014,205	5.70	0.38