

GDP: Preliminary Estimate for 2021Q2, and Outlook for 2021-22

August 13, 2021 According to the preliminary estimate, Taiwan's real gross domestic product (GDP) increased by 7.43% in 2021Q2, compared to the same period of the previous year, and the growth rate of 2021Q1 has been revised to 9.27%. Besides, the real GDP is predicted to grow 5.88% and 3.69% in 2021 and 2022, respectively.

Preliminary Estimate of Real GDP in 2021Q2

The real GDP contracted by 4.21% on a quarter-on-quarter, seasonally-adjusted annualized basis (saar), or increased by 7.43% on a year-on-year basis (yoy, same as below) in 2021Q2, 0.04 percentage point lower than the advance estimate.

Meanwhile, the economic growth rate of 2021Q1 has been revised to 9.27% (formerly 8.92%).

Real private final consumption fell by 0.41% in 2021Q2, a reversal from the 2.27% growth in the previous quarter, mainly reflecting a slump in consumption expenditure caused by COVID-19 local outbreaks. Nationwide Level 3 epidemic alert from mid-May led to the contraction in service consumptions such as restaurants and hotels, public transportations, as well as some commodity consumptions such as cars and clothing. Online shopping, delivery services, and other equipment expenditures for work/study-from-home partly offset the decline.

Regarding gross capital formation, investment in machinery equipment, transportation equipment and construction grew significantly. Combining inventory changes, real gross capital formation expanded by 8.56%.

In addition, real exports of goods and services grew by 22.62%, mainly driven by the strong foreign demand for electronic parts and ICT products, as well as the significant growth of traditional products, such as steel, chemistry product. Imports also increased by 17.46%.

On the production side, the manufacturing sector grew by 16.38% in 2021Q2, following the 15.87% increase in the previous quarter, mainly due to the output expansion of semiconductor, fabricated metal products, and machinery & equipment.

The wholesale & retail trade sector and the financial & insurance sector increased by 5.96% and 12.73% respectively, after the expansion of 11.64% and 10.47% growth in

the previous quarter.

Despite of a sharp decline of passengers transportation caused by COVID-19 pandemic, however, the freight transportation increased with the growth of manufacturing, the transportation and storage sector grew by 1.52%, following the 4.99% decline in the previous quarter.

Forecast for 2021

The capacity expansion brought by the massive investment of semiconductor manufacturers and reshoring oversea companies timely respond to digitalization and remote demand spurred by the pandemic, and emerging demand for new technological applications, such as 5G, automotive electronics, high performance computing (HPC) and internet of things (IOT). As well as the traditional commodities rebound associated with the recovering global economy, both will support Taiwan's export in the second half of 2021. Although few of factories suspends temporarily due to the pandemic, Taiwan's manufacturing activities are almost unaffected. It is expected for real exports of goods and services to grow by 17.93% in 2021.

As COVID-19 local pandemic is controlled, consumer spending will pick up amid restrictions easing and the introducing of government's relief and stimulus measures. Real private consumption is expected to grow by 1.36%, mainly owing to the impact of local pandemic on spending, due to banning social gathering and other COVID-19 control restrictions, while partly offset by the emerging of the touchless service.

Real private fixed capital formation is anticipated to grow by 11.89%. In addition to the accelerating investment of semiconductor industry and the reshoring Taiwan's overseas companies, it is also driven by the 5G infrastructure, offshore wind energy, as well as airline companies and container shipping companies expanding fleet capacity.

Combining the above components as well as the public sector, Taiwan's real GDP is projected to grow by 5.88% in 2021, upward revised by 0.42 percentage point from the previous forecast.

Consumer price Index (CPI) will increase 1.74%, upward revised by 0.02 percentage point, mainly reflecting the raising gasoline and food prices.

Outlook for 2022

The global economy will keep growing, and the world trade volume is projected to continue growing by 7.0% in 2022, according to International Monetary Fund (IMF). Moreover, enlarging domestic production capacity, spurred by the supply chain of semiconductor industry and reshoring companies, will support Taiwan's export and investment growth. Combining the contribution from domestic sector, with the recovering consumption, real GDP will grow by 3.69% in 2022. CPI will gently rise by 0.89%.

For further information:

Statistics Database:

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

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Gross Domestic Products of 2021Q3 (Advance Estimate)

Table 1-1 Gross Domestic Product and Economic Growth Rate

Period	Nominal GDP (At Current Prices)		Real GDP (Chained (2016) dollars)		Economic Growth Rate (%)		
	Original Series (Million NT\$)	Seasonally Adjusted (Million NT\$)	Original Series (Million NT\$)	Seasonally Adjusted (Million NT\$)	yoy	saqr	saar
2012	14,677,765	—	15,779,909	—	2.22	—	—
2013	15,270,728	—	16,171,821	—	2.48	—	—
2014	16,258,047	—	16,935,007	—	4.72	—	—
2015	17,055,080	—	17,183,235	—	1.47	—	—
2016	17,555,268	—	17,555,268	—	2.17	—	—
2017	17,983,347	—	18,136,589	—	3.31	—	—
2018	18,375,022	—	18,642,014	—	2.79	—	—
2019	18,932,525	—	19,194,635	—	2.96	—	—
I	4,582,557	4,684,457	4,529,082	4,716,495	1.88	0.49	1.99
II	4,616,576	4,721,377	4,709,900	4,786,156	2.87	1.48	6.04
III	4,775,197	4,703,054	4,880,083	4,820,238	3.33	0.71	2.88
IV	4,958,195	4,823,637	5,075,570	4,871,746	3.69	1.07	4.34
2020	19,766,240	—	19,794,055	—	3.12	—	—
I	4,671,734	4,743,556	4,642,890	4,839,429	2.51	-0.66	-2.63
II	4,690,405	4,837,057	4,726,198	4,800,447	0.35	-0.81	-3.18
III	5,085,985	5,053,097	5,088,208	5,041,365	4.26	5.02	21.64
IV	5,318,116	5,132,530	5,336,759	5,112,814	5.15	1.42	5.79
2021(f)	21,562,940	—	20,957,991	—	5.88	—	—
I (r)	5,250,916	5,333,029	5,073,333	5,261,069	9.27	2.90	12.11
II (p)	5,179,550	5,331,859	5,077,155	5,204,753	7.43	-1.07	-4.21
III (f)	5,438,584	5,404,444	5,256,728	5,208,136	3.31	0.06	0.26
IV (f)	5,693,890	5,493,608	5,550,775	5,284,033	4.01	1.46	5.96
2022(f)	22,519,038	—	21,731,073	—	3.69	—	—
I (f)	5,474,825	5,549,950	5,184,153	5,373,576	2.18	1.69	6.95
II (f)	5,411,246	5,574,303	5,267,042	5,406,638	3.74	0.62	2.48
III (f)	5,685,822	5,654,610	5,496,278	5,451,570	4.56	0.83	3.37
IV (f)	5,947,145	5,740,175	5,783,600	5,499,289	4.19	0.88	3.55

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

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

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

Table 1-2 GDP、GNI and NI

Period	GDP					GNI		National Income			
	At Current Prices			Chained (2016) dollars		(At Current Prices)		At Current Prices		Chained (2016) dollars	
	Amount (Million NT\$)	Annual Rate of Increase (%)	Amount (Million US\$)	Amount (Million NT\$)	Annual Rate of Increase (%)	Amount (Million NT\$)	Amount (Million US\$)	Amount (Million NT\$)	Amount (Million US\$)	Amount (Million NT\$)	Annual Rate of Increase (%)
2012	14,677,765	2.91	495,536	15,779,909	2.22	15,109,951	510,127	12,496,672	421,900	12,667,183	2.65
2013	15,270,728	4.04	512,957	16,171,821	2.48	15,673,232	526,477	13,194,356	443,210	13,193,923	4.16
2014	16,258,047	6.47	535,332	16,935,007	4.72	16,697,152	549,791	14,212,193	467,968	14,127,703	7.08
2015	17,055,080	4.90	534,474	17,183,235	1.47	17,494,741	548,253	14,860,645	465,705	14,950,537	5.82
2016	17,555,268	2.93	543,002	17,555,268	2.17	18,006,409	556,957	15,305,453	473,413	15,305,453	2.37
2017	17,983,347	2.44	590,780	18,136,589	3.31	18,430,708	605,477	15,733,800	516,879	15,765,865	3.01
2018	18,375,022	2.18	609,251	18,642,014	2.79	18,789,823	623,005	15,968,442	529,458	15,864,685	0.63
2019	18,932,525	3.03	612,109	19,194,635	2.96	19,408,986	627,513	16,318,528	527,595	16,237,037	2.35
I	4,582,557	1.86	148,580	4,529,082	1.88	4,776,094	154,842	3,985,374	129,205	3,929,701	-0.75
II	4,616,576	2.99	148,145	4,709,900	2.87	4,766,509	152,944	3,994,995	128,187	3,957,234	3.16
III	4,775,197	3.85	152,940	4,880,083	3.33	4,761,982	152,505	4,021,209	128,780	4,021,942	3.94
IV	4,958,195	3.39	162,444	5,075,570	3.69	5,104,401	167,222	4,316,950	141,423	4,328,160	3.06
2020	19,766,240	4.40	669,034	19,794,055	3.12	20,313,660	687,486	17,009,626	575,774	17,220,259	6.06
I	4,671,734	1.95	154,950	4,642,890	2.51	4,851,289	160,905	4,016,954	133,232	3,993,554	1.62
II	4,690,405	1.60	156,712	4,726,198	0.35	4,827,828	161,304	4,004,408	133,792	4,081,379	3.14
III	5,085,985	6.51	172,523	5,088,208	4.26	5,211,957	176,796	4,381,618	148,630	4,489,730	11.63
IV	5,318,116	7.26	184,849	5,336,759	5.15	5,422,586	188,481	4,606,646	160,120	4,655,596	7.57
2021											
I (r)	5,250,916	12.40	184,957	5,073,333	9.27	5,390,868	189,886	4,503,649	158,635	4,447,163	11.36
II (p)	5,179,550	10.43	185,050	5,077,155	7.43	5,270,045	188,283	4,443,069	158,738	4,344,389	6.44

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

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

Table 2 Changes in Prices

Unit:%

Period	Deflators						CPI	WPI
	GDP	Private Final Consumption	Government Final Consumption	Gross Fixed Capital Formation	Exports	Imports		
2012	0.68	1.15	1.82	0.70	-0.96	-0.54	1.93	-1.16
2013	1.52	0.26	0.26	-2.28	-1.29	-3.72	0.79	-2.43
2014	1.66	0.65	0.70	1.21	-0.04	-1.68	1.20	-0.56
2015	3.39	-0.70	0.24	-1.72	-3.55	-10.09	-0.30	-8.85
2016	0.76	0.69	1.29	0.47	-1.96	-2.50	1.39	-2.98
2017	-0.84	-0.02	0.59	-0.05	-1.98	-0.77	0.62	0.90
2018	-0.59	0.98	1.42	2.15	0.59	3.73	1.35	3.63
2019	0.06	0.58	0.58	1.85	-2.66	-1.48	0.56	-2.26
I	-0.02	0.37	1.15	2.33	-0.85	0.83	0.33	0.70
II	0.12	0.72	0.03	2.32	-1.13	0.58	0.81	-0.58
III	0.50	0.56	2.34	1.95	-3.26	-2.44	0.41	-4.01
IV	-0.29	0.65	-0.41	1.02	-5.03	-4.36	0.70	-4.99
2020	1.25	-0.38	1.73	-0.22	-4.84	-8.65	-0.23	-7.77
I	-0.55	0.47	1.31	-0.03	-4.49	-3.22	0.54	-5.11
II	1.24	-1.04	1.97	-0.69	-6.47	-11.43	-0.97	-11.25
III	2.16	-0.73	2.08	-0.85	-4.86	-11.16	-0.48	-8.65
IV	2.01	-0.26	1.59	0.56	-3.39	-8.39	-0.04	-5.99
2021(f)	3.03	1.26	1.60	3.34	5.87	4.91	1.74	8.00
I (r)	2.86	0.43	0.71	1.79	1.60	-2.75	0.80	1.03
II (p)	2.80	1.57	2.15	3.63	6.87	7.77	2.14	11.05
III (f)	3.50	1.55	1.99	4.15	7.59	7.68	2.09	10.87
IV (f)	2.94	1.49	1.44	3.74	6.85	6.95	1.94	9.39
2022(f)	0.72	0.67	0.90	1.55	-1.35	-1.59	0.89	-1.52
I (f)	2.04	1.12	0.80	3.37	2.63	2.30	1.41	3.22
II (f)	0.71	0.61	0.70	1.36	-1.13	-1.58	0.87	-1.58
III (f)	-0.01	0.59	0.93	0.40	-3.34	-3.57	0.76	-3.95
IV (f)	0.24	0.37	1.03	1.14	-2.94	-3.01	0.53	-3.55

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

Unit: Million NT\$

Period	GDP	Domestic Demand								Demand of Rest of The World		
		Subtotal	Private Final Consumption	Government Final Consumption	Gross Fixed Capital Formation			Changes in Inventories	Subtotal	Exports of Goods and Services	Less: Imports of Goods and Services	
					Private Enterprises	Public Enterprises	Government					
2012	14,677,765	13,630,790	8,015,850	2,284,488	3,313,753	2,592,951	202,351	518,451	16,699	1,046,975	11,634,675	10,587,700
2013	15,270,728	13,943,063	8,242,378	2,259,221	3,465,988	2,763,424	200,214	502,350	-24,524	1,327,665	11,854,435	10,526,770
2014	16,258,047	14,632,191	8,602,842	2,360,910	3,630,558	2,951,986	211,289	467,283	37,881	1,625,856	12,559,478	10,933,622
2015	17,055,080	14,857,471	8,787,564	2,363,711	3,663,758	3,029,456	191,487	442,815	42,438	2,197,609	12,157,096	9,959,487
2016	17,555,268	15,361,883	9,082,075	2,482,242	3,807,567	3,172,823	186,630	448,114	-10,001	2,193,385	11,808,128	9,614,743
2017	17,983,347	15,583,517	9,325,676	2,486,552	3,795,869	3,132,210	184,300	479,359	-24,580	2,399,830	12,095,508	9,695,678
2018	18,375,022	16,319,768	9,610,482	2,623,385	4,001,128	3,278,250	213,349	509,529	84,773	2,055,254	12,191,349	10,136,095
2019	18,932,525	17,005,048	9,885,165	2,656,205	4,490,003	3,707,533	219,815	562,655	-26,325	1,927,477	12,022,294	10,094,817
I	4,582,557	4,169,362	2,431,353	669,443	1,062,215	926,788	32,549	102,878	6,351	413,195	2,814,873	2,401,678
II	4,616,576	4,139,837	2,429,965	634,111	1,090,732	906,883	51,936	131,913	-14,971	476,739	2,999,385	2,522,646
III	4,775,197	4,246,353	2,491,973	636,311	1,133,052	952,209	44,156	136,687	-14,983	528,844	3,090,484	2,561,640
IV	4,958,195	4,449,496	2,531,874	716,340	1,204,004	921,653	91,174	191,177	-2,722	508,699	3,117,552	2,608,853
2020	19,766,240	17,067,208	9,608,671	2,770,148	4,682,607	3,798,593	277,210	606,804	5,782	2,699,032	11,620,614	8,921,582
I	4,671,734	4,275,982	2,400,059	699,888	1,135,734	978,363	38,690	118,681	40,301	395,752	2,632,164	2,236,412
II	4,690,405	4,096,570	2,279,423	640,892	1,127,732	913,865	74,593	139,274	48,523	593,835	2,708,715	2,114,880
III	5,085,985	4,242,736	2,435,654	672,417	1,192,206	986,387	56,932	148,887	-57,541	843,249	3,038,165	2,194,916
IV	5,318,116	4,451,920	2,493,535	756,951	1,226,935	919,978	106,995	199,962	-25,501	866,196	3,241,570	2,375,374
2021(f)	21,562,940	18,081,146	9,862,002	2,901,457	5,297,223	4,383,033	296,190	618,000	20,464	3,481,794	14,508,570	11,026,776
I (r)	5,250,916	4,510,315	2,465,054	735,824	1,294,477	1,132,482	49,188	112,807	14,960	740,601	3,265,294	2,524,693
II (p)	5,179,550	4,306,885	2,305,718	670,817	1,307,588	1,110,341	58,683	138,564	22,762	872,665	3,549,906	2,677,241
III (f)	5,438,584	4,482,583	2,459,061	695,680	1,310,701	1,088,945	68,860	152,896	17,141	956,001	3,808,794	2,852,793
IV (f)	5,693,890	4,781,363	2,632,169	799,136	1,384,457	1,051,265	119,459	213,733	-34,399	912,527	3,884,576	2,972,049
2022(f)	22,519,038	18,931,588	10,386,899	2,989,982	5,522,918	4,551,815	317,369	653,734	31,789	3,587,450	14,990,186	11,402,736
I (f)	5,474,825	4,704,468	2,570,683	762,409	1,356,355	1,183,522	49,594	123,239	15,021	770,357	3,491,332	2,720,975
II (f)	5,411,246	4,548,449	2,477,992	692,185	1,354,246	1,139,196	66,050	149,000	24,026	862,797	3,626,230	2,763,433
III (f)	5,685,822	4,717,046	2,612,832	717,506	1,368,567	1,136,818	70,736	161,013	18,141	968,776	3,882,375	2,913,599
IV (f)	5,947,145	4,961,625	2,725,392	817,882	1,443,750	1,092,279	130,989	220,482	-25,399	985,520	3,990,249	3,004,729

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

Unit:%

Period	GDP	Domestic Demand								Demand of Rest of The World		
		Subtotal	Private Final Consumption	Government Final Consumption	Gross Fixed Capital Formation			Changes in Inventories	Subtotal	Exports of Goods and Services	Less: Imports of Goods and Services	
					Private Enterprises	Public Enterprises	Government					
2012	100.00	92.87	54.61	15.56	22.58	17.67	1.38	3.53	0.11	7.13	79.27	72.13
2013	100.00	91.31	53.98	14.79	22.70	18.10	1.31	3.29	-0.16	8.69	77.63	68.93
2014	100.00	90.00	52.91	14.52	22.33	18.16	1.30	2.87	0.23	10.00	77.25	67.25
2015	100.00	87.11	51.52	13.86	21.48	17.76	1.12	2.60	0.25	12.89	71.28	58.40
2016	100.00	87.51	51.73	14.14	21.69	18.07	1.06	2.55	-0.06	12.49	67.26	54.77
2017	100.00	86.66	51.86	13.83	21.11	17.42	1.02	2.67	-0.14	13.34	67.26	53.91
2018	100.00	88.81	52.30	14.28	21.77	17.84	1.16	2.77	0.46	11.19	66.35	55.16
2019	100.00	89.82	52.21	14.03	23.72	19.58	1.16	2.97	-0.14	10.18	63.50	53.32
I	100.00	90.98	53.06	14.61	23.18	20.22	0.71	2.24	0.14	9.02	61.43	52.41
II	100.00	89.67	52.64	13.74	23.63	19.64	1.12	2.86	-0.32	10.33	64.97	54.64
III	100.00	88.93	52.19	13.33	23.73	19.94	0.92	2.86	-0.31	11.07	64.72	53.64
IV	100.00	89.74	51.06	14.45	24.28	18.59	1.84	3.86	-0.05	10.26	62.88	52.62
2020	100.00	86.35	48.61	14.01	23.69	19.22	1.40	3.07	0.03	13.65	58.79	45.14
I	100.00	91.53	51.37	14.98	24.31	20.94	0.83	2.54	0.86	8.47	56.34	47.87
II	100.00	87.34	48.60	13.66	24.04	19.48	1.59	2.97	1.03	12.66	57.75	45.09
III	100.00	83.42	47.89	13.22	23.44	19.39	1.12	2.93	-1.13	16.58	59.74	43.16
IV	100.00	83.71	46.89	14.23	23.07	17.30	2.01	3.76	-0.48	16.29	60.95	44.67
2021(f)	100.00	83.85	45.74	13.46	24.57	20.33	1.37	2.87	0.09	16.15	67.28	51.14
I (r)	100.00	85.90	46.95	14.01	24.65	21.57	0.94	2.15	0.28	14.10	62.19	48.08
II (p)	100.00	83.15	44.52	12.95	25.25	21.44	1.13	2.68	0.44	16.85	68.54	51.69
III (f)	100.00	82.42	45.22	12.79	24.10	20.02	1.27	2.81	0.32	17.58	70.03	52.45
IV (f)	100.00	83.97	46.23	14.03	24.31	18.46	2.10	3.75	-0.60	16.03	68.22	52.20
2022(f)	100.00	84.07	46.12	13.28	24.53	20.21	1.41	2.90	0.14	15.93	66.57	50.64
I (f)	100.00	85.93	46.95	13.93	24.77	21.62	0.91	2.25	0.27	14.07	63.77	49.70
II (f)	100.00	84.06	45.79	12.79	25.03	21.05	1.22	2.75	0.44	15.94	67.01	51.07
III (f)	100.00	82.96	45.95	12.62	24.07	19.99	1.24	2.83	0.32	17.04	68.28	51.24
IV (f)	100.00	83.43	45.83	13.75	24.28	18.37	2.20	3.71	-0.43	16.57	67.10	50.52

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

Unit:%

Period	Economic Growth Rate	Domestic Demand								Demand of Rest of The World		
		Subtotal	Private Final Consumption	Government Final Consumption	Gross Fixed Capital Formation			Changes in Inventories	Subtotal	Exports of Goods and Services	Less: Imports of Goods and Services	
					Private Enterprises	Public Enterprises	Government					
2012	2.22	1.07	1.92	2.36	-1.28	1.38	-7.97	-10.47	--	--	1.90	0.42
2013	2.48	2.47	2.55	-1.36	7.03	9.16	3.81	-2.27	--	--	3.21	3.26
2014	4.72	4.33	3.70	3.78	3.50	5.48	5.20	-8.33	--	--	5.99	5.63
2015	1.47	2.30	2.86	-0.13	2.68	4.28	-7.07	-2.99	--	--	0.36	1.32
2016	2.17	2.58	2.64	3.68	3.44	4.08	-3.89	1.75	--	--	-0.93	-0.99
2017	3.31	1.34	2.70	-0.41	-0.26	-1.16	0.51	5.82	--	--	4.50	1.63
2018	2.79	3.55	2.05	4.02	3.19	2.45	14.23	3.78	--	--	0.20	0.78
2019	2.96	3.04	2.26	0.67	10.17	11.00	1.75	8.35	--	--	1.31	1.09
I	1.88	2.24	1.73	-2.44	7.76	8.11	2.66	6.46	--	--	1.12	1.59
II	2.87	2.35	1.58	-2.00	12.26	12.01	11.83	14.15	--	--	1.47	0.38
III	3.33	2.09	2.57	4.45	4.32	4.67	-11.00	7.69	--	--	0.06	-2.60
IV	3.69	5.38	3.17	2.34	16.51	20.50	3.21	6.08	--	--	2.54	5.03
2020	3.12	0.43	-2.42	2.51	4.52	2.78	28.14	6.79	--	--	1.58	-3.25
I	2.51	1.87	-1.74	3.20	6.95	5.62	20.42	14.73	--	--	-2.09	-3.78
II	0.35	-0.33	-5.21	-0.89	4.11	1.56	46.22	5.27	--	--	-3.44	-5.35
III	4.26	0.32	-1.55	3.52	6.12	4.63	31.78	8.28	--	--	3.33	-3.55
IV	5.15	-0.09	-1.25	4.01	1.33	-0.69	18.95	2.71	--	--	7.63	-0.62
2021(f)	5.88	3.91	1.36	3.09	9.47	11.89	6.69	-4.46	--	--	17.93	17.82
I (r)	9.27	4.51	2.27	4.40	11.98	13.77	28.83	-8.63	--	--	22.09	16.08
II (p)	7.43	2.62	-0.41	2.46	11.89	17.43	-21.12	-7.03	--	--	22.62	17.46
III (f)	3.31	3.24	-0.58	1.45	5.57	6.30	19.90	-4.81	--	--	16.52	20.70
IV (f)	4.01	5.21	4.01	4.07	8.77	10.40	11.09	-0.01	--	--	12.15	16.99
2022(f)	3.69	3.69	4.63	2.14	2.67	2.28	6.76	3.49	--	--	4.75	5.08
I (f)	2.18	2.60	3.13	2.78	1.36	1.24	-0.14	3.77	--	--	4.18	5.36
II (f)	3.74	4.74	6.82	2.47	2.18	1.39	11.39	4.63	--	--	3.32	4.88
III (f)	4.56	4.62	5.63	2.19	4.00	3.97	2.50	4.76	--	--	5.45	5.90
IV (f)	4.19	2.88	3.16	1.31	3.11	2.60	9.75	1.70	--	--	5.82	4.24

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

Unit: percentage points

Period	Economic Growth Rate	Domestic Demand								Demand of Rest of The World		
		Subtotal	Private Final Consumption	Government Final Consumption	Gross Fixed Capital Formation			Changes in Inventories	Subtotal	Exports of Goods and Services	Less: Imports of Goods and Services	
					Private Enterprises	Public Enterprises	Government					
2012	2.22	1.00	1.05	0.36	-0.30	0.24	-0.12	-0.42	-0.11	1.22	1.53	0.31
2013	2.48	2.29	1.40	-0.21	1.59	1.61	0.05	-0.08	-0.48	0.19	2.55	2.35
2014	4.72	3.96	2.00	0.56	0.79	1.00	0.07	-0.27	0.60	0.76	4.65	3.88
2015	1.47	2.07	1.51	-0.02	0.60	0.78	-0.09	-0.09	-0.02	-0.61	0.28	0.89
2016	2.17	2.25	1.36	0.51	0.74	0.74	-0.04	0.05	-0.36	-0.08	-0.66	-0.58
2017	3.31	1.17	1.40	-0.06	-0.06	-0.21	0.01	0.15	-0.11	2.14	3.03	0.89
2018	2.79	3.08	1.07	0.56	0.67	0.43	0.15	0.10	0.78	-0.29	0.13	0.42
2019	2.96	2.70	1.18	0.10	2.22	1.96	0.02	0.23	-0.80	0.27	0.87	0.60
I	1.88	2.05	0.98	-0.35	1.67	1.55	0.01	0.12	-0.26	-0.17	0.70	0.87
II	2.87	2.10	0.84	-0.29	2.60	2.13	0.12	0.35	-1.06	0.77	0.95	0.18
III	3.33	1.86	1.32	0.61	1.02	0.93	-0.12	0.20	-1.08	1.46	0.06	-1.40
IV	3.69	4.65	1.57	0.36	3.50	3.18	0.07	0.25	-0.78	-0.96	1.71	2.67
2020	3.12	0.38	-1.26	0.35	1.07	0.54	0.33	0.20	0.22	2.74	1.00	-1.74
I	2.51	1.74	-0.94	0.42	1.61	1.15	0.14	0.31	0.65	0.78	-1.28	-2.05
II	0.35	-0.30	-2.72	-0.12	0.97	0.31	0.51	0.15	1.58	0.64	-2.15	-2.79
III	4.26	0.28	-0.80	0.50	1.43	0.92	0.29	0.23	-0.86	3.99	2.12	-1.87
IV	5.15	-0.09	-0.64	0.59	0.34	-0.14	0.36	0.12	-0.38	5.23	4.89	-0.34
2021(f)	5.88	3.38	0.66	0.43	2.24	2.29	0.09	-0.14	0.04	2.50	10.54	8.04
I (r)	9.27	4.00	1.12	0.59	2.86	2.82	0.25	-0.21	-0.57	5.27	12.56	7.29
II (p)	7.43	2.28	-0.20	0.34	2.87	3.42	-0.34	-0.21	-0.73	5.14	12.99	7.85
III (f)	3.31	2.76	-0.27	0.20	1.32	1.23	0.23	-0.14	1.50	0.55	9.80	9.25
IV (f)	4.01	4.40	1.90	0.60	2.04	1.83	0.21	0.00	-0.14	-0.39	7.33	7.72
2022(f)	3.69	3.09	2.12	0.29	0.66	0.46	0.09	0.10	0.03	0.60	3.19	2.60
I (f)	2.18	2.19	1.46	0.36	0.33	0.27	0.01	0.06	0.04	-0.01	2.61	2.62
II (f)	3.74	3.94	3.05	0.33	0.55	0.30	0.14	0.12	0.01	-0.20	2.20	2.40
III (f)	4.56	3.86	2.56	0.30	0.96	0.80	0.03	0.13	0.04	0.70	3.82	3.12
IV (f)	4.19	2.41	1.45	0.17	0.75	0.48	0.18	0.09	0.04	1.78	4.04	2.26

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

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

Unit: Million NT\$

Period	GDP	Agriculture, Forestry, Fishing and Animal Husbandry	Industry					Services								Statistical Discrepancy	
			Mining and Quarrying	Manufacturing	Electricity and Gas Supply	Water Supply and Remediation Services	Construction	Wholesale and Retail Trade	Transportation and Storage	Information and Communication	Finance and Insurance	Real Estate and Ownership of Dwellings (1)	Public Administration and Defence : Compulsory Social Security	Others (2)			
2012	14,677,765	247,313	4,750,525	15,405	4,120,261	133,807	99,245	381,807	9,548,170	2,450,734	423,104	461,419	931,028	1,249,372	1,060,887	2,971,626	131,757
2013	15,270,728	264,418	5,147,629	14,267	4,445,009	199,987	95,333	393,033	9,851,750	2,560,534	429,057	474,026	970,475	1,296,970	1,044,892	3,075,796	6,931
2014	16,258,047	302,781	5,814,180	14,328	5,056,638	238,785	93,974	410,455	10,226,496	2,606,050	468,163	497,915	1,054,084	1,328,010	1,046,496	3,225,778	-85,410
2015	17,055,080	298,855	6,177,658	13,257	5,348,932	303,461	91,682	420,326	10,546,107	2,664,745	516,593	526,127	1,099,345	1,367,956	1,039,481	3,331,860	32,460
2016	17,555,268	327,502	6,472,113	10,818	5,655,706	296,428	98,007	411,154	10,755,653	2,678,007	511,241	549,074	1,124,827	1,399,263	1,050,448	3,442,793	0
2017	17,983,347	328,835	6,649,829	10,536	5,873,213	242,766	106,055	417,259	11,076,085	2,781,031	546,338	555,818	1,178,408	1,437,581	1,052,851	3,524,058	-71,402
2018	18,375,022	312,562	6,699,658	11,111	5,929,411	209,513	108,258	441,365	11,439,654	2,869,765	546,497	561,040	1,228,512	1,488,924	1,075,591	3,669,325	-76,852
2019	18,932,525	318,543	6,723,189	11,865	5,876,163	223,860	111,097	500,204	11,845,534	2,951,252	564,995	585,276	1,276,129	1,552,526	1,098,940	3,816,416	45,259
I	4,582,557	66,749	1,556,173	2,798	1,364,094	36,358	24,420	128,503	2,941,584	714,473	146,673	142,200	302,969	369,339	324,309	941,621	18,051
II	4,616,576	81,156	1,646,702	2,826	1,436,912	52,645	29,031	125,288	2,865,124	704,403	126,017	139,130	336,491	384,508	264,046	910,529	23,594
III	4,775,197	74,814	1,814,761	2,730	1,574,993	86,114	30,611	120,313	2,907,960	716,044	143,508	146,348	323,288	373,729	255,804	949,239	-22,338
IV	4,958,195	95,824	1,705,553	3,511	1,500,164	48,743	27,035	126,100	3,130,866	816,332	148,797	157,598	313,381	424,950	254,781	1,015,027	25,952
2020	19,766,240	322,914	7,229,891	13,201	6,226,648	299,891	114,597	575,554	12,059,983	2,998,575	589,761	596,915	1,319,398	1,611,448	1,136,061	3,807,825	153,452
I	4,671,734	73,302	1,589,749	3,171	1,374,734	45,447	24,475	141,922	2,975,829	715,948	135,616	144,020	321,525	382,704	336,828	939,188	32,854
II	4,690,405	81,708	1,728,056	3,344	1,480,216	71,730	30,413	142,353	2,828,276	674,296	128,921	141,538	341,489	394,533	271,671	875,828	52,365
III	5,085,985	76,504	1,971,159	2,972	1,680,765	110,482	31,906	145,034	2,993,119	744,006	147,600	148,552	333,712	389,711	264,157	965,381	45,203
IV	5,318,116	91,400	1,940,927	3,714	1,690,933	72,232	27,803	146,245	3,262,759	864,325	177,624	162,805	322,672	444,500	263,405	1,027,428	23,030
2021																	
I (r)	5,250,916	80,692	1,886,414	3,131	1,623,163	59,443	24,671	176,006	3,242,283	808,713	197,531	153,980	348,565	400,883	342,497	990,114	41,527
II (p)	5,179,550	79,883	2,013,347	3,087	1,732,972	68,753	31,661	176,874	3,083,814	782,121	184,433	149,848	384,552	404,129	284,684	894,047	2,506

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

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

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

Unit: %

Period	Total (1)	Agriculture, Forestry, Fishing and Animal Husbandry	Industry					Services								
			Mining and Quarrying	Manufac- turing	Electricity and Gas Supply	Water Supply and Remediation Services	Construc- tion	Wholesale and Retail Trade	Transporta- tion and Storage	Information and Communi- cation	Finance and Insurance	Real Estate and Ownership of Dwellings (2)	Public Administration and Defence ; Compulsory Social Security	Others (3)		
2012	100.00	1.70	32.66	0.11	28.33	0.92	0.68	2.62	65.64	16.85	2.91	3.17	6.40	8.59	7.29	20.43
2013	100.00	1.73	33.72	0.09	29.12	1.31	0.62	2.57	64.54	16.78	2.81	3.11	6.36	8.50	6.85	20.15
2014	100.00	1.85	35.57	0.09	30.94	1.46	0.57	2.51	62.57	15.95	2.86	3.05	6.45	8.13	6.40	19.74
2015	100.00	1.76	36.29	0.08	31.42	1.78	0.54	2.47	61.95	15.65	3.03	3.09	6.46	8.04	6.11	19.57
2016	100.00	1.87	36.87	0.06	32.22	1.69	0.56	2.34	61.27	15.25	2.91	3.13	6.41	7.97	5.98	19.61
2017	100.00	1.82	36.83	0.06	32.53	1.34	0.59	2.31	61.35	15.40	3.03	3.08	6.53	7.96	5.83	19.52
2018	100.00	1.69	36.31	0.06	32.13	1.14	0.59	2.39	62.00	15.55	2.96	3.04	6.66	8.07	5.83	19.89
2019	100.00	1.69	35.60	0.06	31.11	1.19	0.59	2.65	62.72	15.63	2.99	3.10	6.76	8.22	5.82	20.21
I	100.00	1.46	34.09	0.06	29.88	0.80	0.53	2.82	64.44	15.65	3.21	3.12	6.64	8.09	7.11	20.63
II	100.00	1.77	35.85	0.06	31.28	1.15	0.63	2.73	62.38	15.34	2.74	3.03	7.33	8.37	5.75	19.82
III	100.00	1.56	37.83	0.06	32.83	1.79	0.64	2.51	60.61	14.93	2.99	3.05	6.74	7.79	5.33	19.79
IV	100.00	1.94	34.58	0.07	30.42	0.99	0.55	2.56	63.48	16.55	3.02	3.20	6.35	8.62	5.17	20.58
2020	100.00	1.65	36.86	0.07	31.75	1.53	0.58	2.93	61.49	15.29	3.01	3.04	6.73	8.22	5.79	19.42
I	100.00	1.58	34.27	0.07	29.64	0.98	0.53	3.06	64.15	15.43	2.92	3.10	6.93	8.25	7.26	20.25
II	100.00	1.76	37.26	0.07	31.91	1.55	0.66	3.07	60.98	14.54	2.78	3.05	7.36	8.51	5.86	18.88
III	100.00	1.52	39.10	0.06	33.34	2.19	0.63	2.88	59.38	14.76	2.93	2.95	6.62	7.73	5.24	19.15
IV	100.00	1.73	36.66	0.07	31.93	1.36	0.53	2.76	61.62	16.32	3.35	3.07	6.09	8.39	4.97	19.40
2021																
I (r)	100.00	1.55	36.21	0.06	31.16	1.14	0.47	3.38	62.24	15.52	3.79	2.96	6.69	7.70	6.57	19.01
II (p)	100.00	1.54	38.89	0.06	33.47	1.33	0.61	3.42	59.57	15.11	3.56	2.89	7.43	7.81	5.50	17.27

Note : (1) Statistical Discrepancy is not included.

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

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

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

Unit: %

Period	Economic Growth Rate	Agriculture, Forestry, Fishing and Animal Husbandry	Industry						Services							
			Mining and Quarrying	Manufacturing	Electricity and Gas Supply	Water Supply and Remediation Services	Construction	Wholesale and Retail Trade	Transportation and Storage	Information and Communication	Finance and Insurance	Real Estate and Ownership of Dwellings (1)	Public Administration and Defence ; Compulsory Social Security	Others (2)		
2012	2.22	-3.21	4.64	0.40	5.36	0.70	4.59	-1.44	1.28	1.04	1.35	3.11	1.55	1.83	0.40	1.16
2013	2.48	1.59	3.03	-4.41	3.39	2.44	-1.32	0.84	2.21	1.13	7.17	4.97	3.99	3.02	-0.89	2.16
2014	4.72	2.04	9.27	-4.99	10.52	2.82	1.74	0.78	3.15	3.24	0.52	5.96	7.99	1.91	-0.94	3.38
2015	1.47	-7.72	0.90	-7.11	1.34	-3.54	-2.98	-0.76	1.23	-0.48	-0.73	8.30	4.21	2.06	0.03	0.87
2016	2.17	-9.65	3.74	-10.32	4.05	6.44	1.39	-1.17	1.33	0.21	2.83	6.06	2.27	0.98	-0.03	1.49
2017	3.31	8.27	4.75	1.00	5.44	-0.08	3.41	-0.78	2.90	4.33	6.29	3.76	5.19	1.69	0.70	1.55
2018	2.79	4.49	2.55	8.09	2.58	2.11	4.13	1.94	2.97	3.37	5.27	4.47	3.77	2.56	0.78	2.64
2019	2.96	-1.83	1.59	1.56	1.31	1.82	3.19	4.86	3.52	4.65	1.53	6.31	3.85	3.14	1.41	3.18
I	1.88	0.66	-1.03	1.53	-1.77	3.39	2.51	4.81	2.74	3.28	0.64	4.56	-0.13	2.71	1.62	3.72
II	2.87	-7.07	1.83	-0.53	1.52	1.83	2.71	5.15	3.22	3.81	1.36	6.05	2.49	3.69	1.17	3.30
III	3.33	-2.14	2.67	-0.36	2.74	-0.07	3.12	3.33	3.75	5.34	2.00	6.89	5.30	2.79	1.56	2.84
IV	3.69	1.32	2.59	4.85	2.36	2.46	4.31	6.34	4.33	6.07	2.10	7.58	7.94	3.33	1.29	2.92
2020	3.12	1.34	6.25	3.57	6.42	2.45	3.27	6.70	1.18	4.80	-17.11	4.23	4.99	2.60	1.72	-1.39
I	2.51	-0.54	6.43	4.00	6.81	2.52	1.18	3.98	0.99	2.71	-10.12	3.90	6.00	2.44	2.03	-1.63
II	0.35	2.52	3.78	4.91	3.73	0.23	3.41	5.44	-1.50	0.73	-24.45	3.93	3.26	1.38	1.75	-4.61
III	4.26	3.90	5.80	5.45	5.56	3.16	3.99	10.87	2.26	6.75	-18.28	3.50	6.31	3.01	1.31	0.43
IV	5.15	-0.02	8.88	0.74	9.46	3.70	4.17	6.42	2.82	8.61	-15.81	5.49	4.53	3.46	1.78	-0.04
2021																
I (r)	9.27	-1.04	14.64	2.54	15.87	3.51	0.43	9.64	6.20	11.64	-4.99	6.56	10.47	3.85	1.04	4.50
II (p)	7.43	-3.56	15.04	4.91	16.38	5.64	2.30	8.47	3.90	5.96	1.52	7.63	12.73	1.71	1.18	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) accounted for over 80% of total real estate and dwellings services.

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

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

Unit: percentage points

Period	Economic Growth Rate	Agriculture, Forestry, Fishing and Animal Husbandry	Industry						Services							
			Mining and Quarrying	Manufacturing	Electricity and Gas Supply	Water Supply and Remediation Services	Construction	Wholesale and Retail Trade	Transportation and Storage	Information and Communication	Finance and Insurance	Real Estate and Ownership of Dwellings (1)	Public Administration and Defence ; Compulsory Social Security	Others (2)		
2012	2.22	-0.06	1.52	0.00	1.52	0.01	0.03	-0.04	0.84	0.18	0.04	0.10	0.10	0.16	0.03	0.23
2013	2.48	0.03	0.97	0.00	0.94	0.02	-0.01	0.02	1.47	0.19	0.21	0.16	0.26	0.26	-0.06	0.45
2014	4.72	0.04	3.13	0.00	3.06	0.04	0.01	0.02	2.02	0.54	0.01	0.19	0.51	0.16	-0.06	0.67
2015	1.47	-0.14	0.33	-0.01	0.43	-0.05	-0.02	-0.02	0.76	-0.08	-0.02	0.25	0.27	0.17	0.00	0.17
2016	2.17	-0.17	1.36	-0.01	1.28	0.11	0.01	-0.03	0.82	0.03	0.09	0.19	0.15	0.08	0.00	0.28
2017	3.31	0.15	1.76	0.00	1.76	0.00	0.02	-0.02	1.77	0.66	0.18	0.12	0.33	0.13	0.04	0.31
2018	2.79	0.08	0.94	0.00	0.85	0.03	0.02	0.04	1.83	0.52	0.16	0.14	0.25	0.20	0.05	0.51
2019	2.96	-0.03	0.58	0.00	0.42	0.02	0.02	0.12	2.18	0.72	0.05	0.19	0.26	0.25	0.08	0.63
I	1.88	0.01	-0.34	0.00	-0.53	0.05	0.01	0.13	1.75	0.54	0.01	0.14	-0.01	0.22	0.10	0.75
II	2.87	-0.14	0.64	0.00	0.46	0.03	0.02	0.13	2.01	0.59	0.04	0.18	0.19	0.30	0.08	0.63
III	3.33	-0.01	1.00	0.00	0.91	-0.02	0.02	0.09	2.25	0.76	0.06	0.21	0.35	0.21	0.09	0.57
IV	3.69	0.02	0.94	0.00	0.77	0.03	0.02	0.12	2.69	0.98	0.06	0.23	0.47	0.29	0.06	0.60
2020	3.12	0.02	2.23	0.00	2.00	0.03	0.02	0.18	0.74	0.75	-0.51	0.13	0.34	0.21	0.10	-0.28
I	2.51	-0.01	2.21	0.00	2.04	0.03	0.01	0.13	0.63	0.43	-0.32	0.12	0.40	0.20	0.13	-0.33
II	0.35	0.05	1.33	0.00	1.15	0.00	0.02	0.16	-0.93	0.12	-0.73	0.12	0.24	0.12	0.11	-0.91
III	4.26	0.04	2.16	0.00	1.81	0.04	0.02	0.29	1.38	0.99	-0.54	0.11	0.43	0.22	0.08	0.09
IV	5.15	0.00	3.17	0.00	2.98	0.04	0.02	0.13	1.75	1.39	-0.46	0.17	0.28	0.30	0.09	-0.02
2021																
I (r)	9.27	-0.02	5.14	0.00	4.79	0.05	0.00	0.30	3.91	1.82	-0.09	0.20	0.70	0.32	0.07	0.89
II (p)	7.43	-0.06	5.54	0.00	5.17	0.08	0.01	0.28	2.40	0.90	0.00	0.23	0.92	0.14	0.08	0.13

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

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

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

Table 5 Gross National Savings and Gross Domestic Investment

Period	Gross National Savings		Gross Domestic Investment		Difference between Savings and Investment		External Balance of Goods and Services	Net Factor Income from the Rest of the World	Net Transfers from the Rest of the World
	Amount	Percent of GNI (Savings Ratio)	Amount	Percent of GNI (Investment Ratio)	Amount	Percent of GNI			
	(Million NT\$) A	(%)	(Million NT\$) B	(%)	(Million NT\$) C=A-B=D+E+F	(%)	(Million NT\$) D	(Million NT\$) E	(Million NT\$) F
2012	4,601,328	30.45	3,330,452	22.04	1,270,876	8.41	1,046,975	432,186	-76,528
2013	5,076,461	32.39	3,441,464	21.96	1,634,997	10.43	1,327,665	402,504	-88,241
2014	5,735,107	34.35	3,668,439	21.97	2,066,668	12.38	1,625,856	439,105	-83,703
2015	6,203,508	35.46	3,706,196	21.18	2,497,312	14.27	2,197,609	439,661	-107,498
2016	6,339,620	35.21	3,797,566	21.09	2,542,054	14.12	2,193,385	451,141	-102,472
2017	6,563,940	35.61	3,771,289	20.46	2,792,651	15.15	2,399,830	447,361	-125,942
2018	6,532,637	34.77	4,085,901	21.75	2,446,736	13.02	2,055,254	414,801	-100,171
2019	6,734,492	34.70	4,463,678	23.00	2,270,814	11.70	1,927,477	476,461	-87,865
I	1,633,277	34.20	1,068,566	22.37	564,711	11.82	413,195	193,537	-23,970
II	1,661,139	34.85	1,075,761	22.57	585,378	12.28	476,739	149,933	-17,700
III	1,638,234	34.40	1,118,069	23.48	520,165	10.92	528,844	-13,215	-17,802
IV	1,801,842	35.30	1,201,282	23.53	600,560	11.77	508,699	146,206	-28,393
2020	7,688,286	37.85	4,688,389	23.08	2,999,897	14.77	2,699,032	547,420	-93,103
I	1,692,864	34.90	1,176,035	24.24	516,829	10.65	395,752	179,555	-25,624
II	1,833,626	37.98	1,176,255	24.36	657,371	13.62	593,835	137,423	-21,522
III	2,034,450	39.03	1,134,665	21.77	899,785	17.26	843,249	125,972	-24,233
IV	2,127,346	39.23	1,201,434	22.16	925,912	17.08	866,196	104,470	-21,724
2021(f)	9,062,397	41.32	5,317,687	24.24	3,744,710	17.07	3,481,794	371,768	-64,819
I (r)	2,131,061	39.53	1,309,437	24.29	821,624	15.24	740,601	139,952	-17,402
II (p)	2,278,436	43.23	1,330,350	25.24	948,086	17.99	872,665	90,495	-12,568
III (f)	2,324,927	42.32	1,327,842	24.17	997,085	18.15	956,001	54,732	-13,648
IV (f)	2,327,973	40.27	1,350,058	23.36	977,915	16.92	912,527	86,589	-21,201
2022(f)	9,436,722	41.25	5,554,707	24.28	3,882,015	16.97	3,587,450	358,725	-64,160
I (f)	2,267,075	40.35	1,371,376	24.41	895,699	15.94	770,357	143,228	-17,886
II (f)	2,304,117	41.98	1,378,272	25.11	925,845	16.87	862,797	76,755	-13,707
III (f)	2,371,030	41.48	1,386,708	24.26	984,322	17.22	968,776	30,534	-14,988
IV (f)	2,494,500	41.19	1,418,351	23.42	1,076,149	17.77	985,520	108,208	-17,579

Explanation: 1. Gross National Savings(A)=GDP+Net Factor Income from the Rest of the World(E)+Net Transfers from the Rest of the World(F)-Private Final Consumption-Government Final Consumption.

2. Gross Domestic Investment(B)=Gross Fixed Capital Formation+Changes in Inventories.

3. Difference between Savings and Investment(C)=A-B=(GDP+E+F-Private Final Consumption-Government Final Consumption)-(Gross Fixed Capital Formation+Changes in Inventories)=(Exports of Goods and Services-Imports of Goods and Services)+E+F=External Balance of Goods and Services+Net Factor Income from the Rest of the World+Net Transfers from the Rest of the World; in practice, statistical discrepancy could exist between C and D+E+F, because of the difference between the GDP results derived from production and expenditures.

Table 6 Exports and Imports

Unit: Million US\$; %

Period	Exports and Imports of Goods and Services (National Accounts)					Custom Exports and Imports of Merchandise				
	Exports		Imports		Balance	Exports (FOB)		Imports (CIF)		Balance
	Amount	Annual Rate of Increase (%)	Amount	Annual Rate of Increase (%)		Amount	Annual Rate of Increase (%)	Amount	Annual Rate of Increase (%)	
2012	393,064	0.17	357,596	-0.92	35,468	305,315	-2.20	276,466	-3.78	28,848
2013	399,732	1.70	355,034	-0.72	44,698	310,866	1.82	277,384	0.33	33,481
2014	415,134	3.85	361,454	1.81	53,680	319,413	2.75	281,096	1.34	38,318
2015	383,625	-7.59	314,368	-13.03	69,257	284,434	-10.95	236,380	-15.91	48,053
2016	366,394	-4.49	298,363	-5.09	68,031	279,175	-1.85	229,199	-3.04	49,975
2017	397,263	8.43	318,310	6.69	78,953	315,487	13.01	257,200	12.22	58,287
2018	404,410	1.80	336,166	5.61	68,244	334,007	5.87	284,792	10.73	49,216
2019	388,655	-3.90	326,367	-2.91	62,288	329,157	-1.45	285,651	0.30	43,506
I	91,323	-4.42	77,911	-2.29	13,412	75,882	-4.22	66,837	-1.12	9,045
II	96,452	-4.43	81,123	-3.79	15,329	81,319	-2.73	70,313	0.71	11,005
III	98,993	-4.93	82,064	-6.64	16,929	84,955	-0.88	72,196	-3.23	12,759
IV	101,887	-1.86	85,269	1.27	16,618	87,002	1.79	76,305	4.85	10,697
2020	393,321	1.20	301,694	-7.56	91,627	345,211	4.88	285,817	0.06	59,394
I	87,569	-4.11	74,393	-4.52	13,176	78,623	3.61	69,032	3.28	9,591
II	90,341	-6.34	70,515	-13.08	19,826	79,338	-2.44	67,099	-4.57	12,239
III	102,958	4.01	74,374	-9.37	28,584	90,047	5.99	70,983	-1.68	19,064
IV	112,453	10.37	82,412	-3.35	30,041	97,202	11.72	78,703	3.14	18,499
2021(f)	517,529	31.58	393,334	30.38	124,195	442,377	28.15	374,302	30.96	68,075
I (r)	115,182	31.53	89,064	19.72	26,118	97,943	24.57	83,573	21.06	14,370
II (p)	126,448	39.97	95,378	35.26	31,070	108,973	37.35	91,510	36.38	17,463
III (f)	136,467	32.55	102,214	37.43	34,253	117,442	30.42	98,451	38.70	18,991
IV (f)	139,432	23.99	106,678	29.44	32,754	118,019	21.42	100,768	28.04	17,251
2022(f)	538,054	3.97	409,287	4.06	128,767	465,484	5.22	389,650	4.10	75,834
I (f)	125,317	8.80	97,666	9.66	27,651	109,640	11.94	94,343	12.89	15,297
II (f)	130,159	2.93	99,190	4.00	30,969	113,763	4.40	95,815	4.70	17,948
III (f)	139,353	2.11	104,580	2.31	34,773	120,178	2.33	98,956	0.51	21,222
IV (f)	143,225	2.72	107,851	1.10	35,374	121,903	3.29	100,536	-0.23	21,367

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

Unit: Million NT\$

Period	Real GDP							
	Domestic Demand					Demand of Rest of the World		
		Private Final Consumption	Government Final Consumption	Gross Capital Formation		Exports of Goods and Services	Imports of Goods and Services	
2018								
I	4,625,269	3,998,519	2,372,732	647,180	978,524	625,689	3,080,100	2,454,411
II	4,650,058	4,023,510	2,391,991	664,172	967,201	625,577	3,107,054	2,481,477
III	4,673,386	4,053,236	2,366,541	625,593	1,061,143	619,239	3,134,823	2,515,584
IV	4,693,301	4,045,230	2,387,555	634,433	1,023,251	646,083	3,041,870	2,395,785
2019								
I	4,716,495	4,094,438	2,422,645	633,627	1,038,265	620,248	3,108,487	2,488,239
II	4,786,156	4,127,027	2,436,444	653,814	1,036,750	657,245	3,164,217	2,506,972
III	4,820,238	4,136,588	2,421,574	654,000	1,060,918	679,022	3,129,556	2,450,534
IV	4,871,746	4,251,986	2,453,660	647,174	1,151,063	614,569	3,122,981	2,508,409
2020								
I	4,839,429	4,160,806	2,384,980	652,758	1,121,784	667,655	3,011,879	2,344,224
II	4,800,447	4,106,096	2,302,709	651,243	1,149,721	685,937	3,029,873	2,343,936
III	5,041,365	4,183,133	2,408,592	674,953	1,098,834	854,819	3,260,303	2,405,484
IV	5,112,814	4,231,064	2,402,572	674,705	1,152,079	884,526	3,421,105	2,536,574
2021								
I (r)	5,261,069	4,334,542	2,420,537	678,787	1,232,533	935,629	3,670,219	2,734,590
II (p)	5,204,753	4,252,681	2,328,266	674,453	1,246,141	966,410	3,746,427	2,780,017
III (f)	5,208,136	4,321,826	2,398,372	684,905	1,235,451	894,092	3,774,795	2,880,703
IV (f)	5,284,033	4,424,829	2,480,609	697,482	1,244,197	862,688	3,813,525	2,950,835
2022								
I (f)	5,373,576	4,441,371	2,492,766	696,866	1,249,746	941,207	3,824,410	2,883,203
II (f)	5,406,638	4,462,915	2,494,297	693,559	1,272,507	953,327	3,871,887	2,918,560
III (f)	5,451,570	4,523,266	2,534,747	698,703	1,287,485	936,681	3,982,642	3,045,961
IV (f)	5,499,289	4,545,784	2,551,275	705,047	1,287,323	963,311	4,038,102	3,074,791

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

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

Unit:%

Period	Growth Rate (saar)	Domestic Demand				Demand of Rest of the World			
			Private Final Consumption	Government Final Consumption	Gross Capital Formation		Exports of Goods and Services	Imports of Goods and Services	
2018									
I	3.35	11.01	1.32	26.18	28.04	--	-10.95	-3.89	
II	2.16	2.52	3.29	10.92	-4.55	--	3.55	4.48	
III	2.02	2.99	-4.19	-21.29	44.89	--	3.62	5.61	
IV	1.72	-0.79	3.60	5.77	-13.54	--	-11.34	-17.73	
2019									
I	1.99	4.96	6.01	-0.51	6.00	--	9.05	16.35	
II	6.04	3.22	2.30	13.37	-0.58	--	7.37	3.05	
III	2.88	0.93	-2.42	0.11	9.66	--	-4.31	-8.71	
IV	4.34	11.63	5.41	-4.11	38.57	--	-0.84	9.79	
2020									
I	-2.63	-8.31	-10.73	3.50	-9.79	--	-13.49	-23.72	
II	-3.18	-5.16	-13.10	-0.93	10.34	--	2.41	-0.05	
III	21.64	7.72	19.70	15.38	-16.56	--	34.07	10.92	
IV	5.79	4.66	-1.00	-0.15	20.84	--	21.24	23.65	
2021									
I (r)	12.11	10.15	3.02	2.44	31.00	--	32.47	35.08	
II (p)	-4.21	-7.34	-14.40	-2.53	4.49	--	8.57	6.81	
III (f)	0.26	6.66	12.60	6.34	-3.39	--	3.06	15.29	
IV (f)	5.96	9.88	14.44	7.55	2.86	--	4.17	10.10	
2022									
I (f)	6.95	1.50	1.97	-0.35	1.80	--	1.15	-8.86	
II (f)	2.48	1.95	0.25	-1.88	7.49	--	5.06	5.00	
III (f)	3.37	5.52	6.65	3.00	4.79	--	11.94	18.64	
IV (f)	3.55	2.01	2.63	3.68	-0.05	--	5.69	3.84	

Table 8 Indicators for Private Final Consumption Expenditure

Unit:%

Period	Sales of Wholesale, Retail and Food Services			Production Indexes of Domestic Consumer Goods	Stock Trading on TSEC and GTSM Market	Number of New Registered Automobile	Outbound Departure of Nationals of the R.O.C	Retail Sales Volume of Credit Cards	People Aged 65 and above as the Percentage of Total Population (End of Period)
	Sales of Retail Trade	Sales of General Merchandise Stores	Sales of Food and Beverage Services						
	Annual Rate	Annual Rate	Annual Rate						
2012	1.1	4.7	8.7	-7.0	-23.2	-3.3	6.8	5.6	11.15
2013	0.8	2.5	6.7	0.0	-0.9	3.4	7.9	8.5	11.53
2014	2.8	4.8	8.1	2.8	23.0	12.0	7.2	8.1	11.99
2015	-1.0	3.7	7.8	-1.3	-8.4	-0.7	11.3	7.9	12.51
2016	1.1	4.3	8.7	1.8	-15.7	4.5	10.7	8.5	13.20
2017	0.9	1.2	3.7	3.4	45.1	1.1	7.3	8.3	13.86
2018	2.2	3.8	5.4	1.2	19.3	-2.1	6.3	9.9	14.56
2019	3.1	4.1	4.4	2.6	-9.8	1.1	2.7	11.8	15.28
I	-0.5	2.7	5.8	0.2	-23.8	-15.8	6.1	8.5	14.76
II	3.9	5.4	4.0	1.0	-21.3	2.5	-0.4	13.1	14.90
III	4.7	4.8	3.7	2.2	-9.8	5.4	2.5	13.5	15.06
IV	4.2	3.5	4.0	6.7	20.7	12.9	3.3	11.8	15.28
2020	0.2	1.5	-4.2	-0.3	69.5	4.0	-86.3	-6.3	16.07
I	-0.6	1.5	-6.5	0.4	49.3	8.2	-49.2	-3.0	15.51
II	-5.8	-4.0	-12.4	-3.4	54.0	-4.5	-98.9	-22.9	15.67
III	4.7	5.4	0.8	3.4	96.9	10.2	-97.8	6.7	15.86
IV	2.2	2.9	1.1	-1.5	72.2	3.1	-98.2	-4.5	16.07
2021									
I	9.2	4.4	7.4	8.1	111.8	16.8	-95.6	3.7	16.29
II	2.3	0.7	-11.2	12.4	161.6	-5.2	87.0	4.8	16.44
Apr.	18.3	16.7	37.3	11.1	166.1	23.0	135.7	13.9	16.35
May	3.4	0.7	-19.2	13.9	182.5	2.6	39.1	11.6	16.41
Jun.	-13.3	-14.3	-39.9	12.3	139.2	-32.5	103.4	-9.2	16.44

Sources: Ministry of Economic Affairs, Ministry of Transportation and Communications, Financial Supervisory Commission, Ministry of Interior.

Table 9 Indicators for Private Gross Fixed Capital Formation

Period	Production Index of Manufacturing Investment Goods Annual Rate (%)	Total Floor Area of Construction Commencement Annual Rate (%)	Import of Capital Goods				Loans for Construction Annual Rate (%)
			NT dollars (NT\$100 Million)		US dollars (US\$100 Million)		
				Annual Rate (%)		Annual Rate (%)	
2012	-2.4	6.4	10,084	-6.5	341	-7.3	7.3
2013	-0.0	6.7	10,708	6.2	361	6.0	1.8
2014	6.9	9.3	11,427	6.7	378	4.6	8.7
2015	1.3	-19.1	11,788	3.2	372	-1.5	-1.0
2016	-2.7	-17.9	13,240	12.3	411	10.5	2.5
2017	5.2	11.6	12,358	-6.7	406	-1.3	5.5
2018	8.3	13.1	12,623	2.1	419	3.2	6.9
2019	6.2	6.0	15,689	24.3	508	21.2	12.7
I	7.9	13.2	3,611	20.3	117	14.8	8.8
II	7.4	3.3	3,557	20.0	114	14.2	10.2
III	7.2	-3.0	3,713	7.9	119	6.0	11.0
IV	2.7	12.2	4,808	49.4	157	50.6	12.7
2020	8.0	16.4	15,526	-1.0	526	3.6	17.5
I	3.8	2.5	3,671	1.7	122	4.3	14.3
II	3.3	8.5	3,598	1.1	120	5.0	15.0
III	12.3	29.6	3,741	0.8	127	6.6	16.1
IV	12.3	23.2	4,517	-6.1	157	-0.3	17.5
2021							
I	11.8	6.1	4,343	18.3	153	25.5	17.8
II	13.6	-6.0	4,475	24.4	159	32.8	16.7
Apr.	11.8	-13.5	1,501	31.3	53	39.1	17.4
May	15.1	14.9	1,448	27.5	52	36.2	16.9
Jun.	13.8	-16.6	1,526	15.7	55	24.5	16.7

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

Table 10 Economic Growth Rates of Major Countries

Unit: %

Period	ROC(Taiwan)		US*		Japan		EU*			UK*	China		HK	South Korea		Singapore	
	yoy	saar	yoy	saar	yoy	saar		Germany	France		yoy	saar		yoy	saar	yoy	saar
2012	2.22	—	2.3	—	1.4	—	-0.4	0.4	0.3	1.4	7.9	—	1.7	2.4	—	4.5	—
2013	2.48	—	1.8	—	2.0	—	0.3	0.4	0.6	2.2	7.8	—	3.1	3.2	—	4.8	—
2014	4.72	—	2.3	—	0.3	—	1.8	2.2	1.0	2.9	7.4	—	2.8	3.2	—	3.9	—
2015	1.47	—	2.7	—	1.6	—	2.3	1.5	1.1	2.4	7.0	—	2.4	2.8	—	3.0	—
2016	2.17	—	1.7	—	0.8	—	2.0	2.2	1.1	1.7	6.8	—	2.2	2.9	—	3.3	—
2017	3.31	—	2.3	—	1.7	—	2.6	2.7	2.3	1.7	6.9	—	3.8	3.2	—	4.5	—
2018	2.79	—	2.9	—	0.6	—	2.0	1.1	1.9	1.3	6.7	—	2.8	2.9	—	3.5	—
2019	2.96	—	2.3	—	0.0	—	1.6	1.1	1.8	1.4	6.0	—	-1.7	2.2	—	1.3	—
I	1.88	1.99	2.2	2.4	0.0	1.4	1.9	1.6	2.1	1.7	6.3	6.6	0.3	1.9	-0.8	1.6	3.1
II	2.87	6.04	2.1	3.2	0.4	0.5	1.6	0.5	2.3	1.5	6.0	5.7	0.1	2.3	4.3	1.4	1.0
III	3.33	2.88	2.3	2.8	1.1	0.5	1.7	1.4	2.0	1.4	5.9	4.9	-3.2	2.1	1.6	1.1	1.2
IV	3.69	4.34	2.6	1.9	-1.4	-7.4	1.2	0.9	0.9	1.2	5.8	6.1	-3.6	2.6	5.3	1.3	0.2
2020	3.12	—	-3.4	—	-4.7	—	-6.0	-4.6	-7.9	-9.8	2.3	—	-6.1	-0.9	—	-5.4	—
I	2.51	-2.63	0.6	-5.1	-2.1	-2.0	-2.6	-1.9	-5.5	-2.2	-6.8	-30.5	-9.1	1.5	-5.0	0.0	-2.4
II	0.35	-3.18	-9.1	-31.2	-10.1	-28.6	-13.6	-11.3	-18.7	-21.4	3.2	46.4	-9.0	-2.6	-12.0	-13.3	-43.0
III	4.26	21.64	-2.9	33.8	-5.6	22.9	-3.9	-3.7	-3.6	-8.5	4.9	11.7	-3.6	-1.0	9.2	-5.8	41.0
IV	5.15	5.79	-2.3	4.5	-1.1	11.7	-4.3	-2.9	-4.2	-7.3	6.5	12.6	-2.8	-1.1	4.6	-2.4	15.9
2021																	
I	9.27	12.11	0.5	6.3	-1.6	-3.9	-1.3	-3.2	1.7	-6.1	18.3	1.6	8.0	1.9	7.1	1.5	13.8
II	7.43	-4.21	12.2	6.5	...	...	13.2	9.2	18.7	22.2	7.9	5.3	7.5	5.9	2.7	14.7	-7.2

Sources: Eurostat and official websites.

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

2.*Chained dollars at seasonally adjusted annual rates (yoy). Since 2020, the economic growth rate of the European Union reflects the current membership of 27 economies due to the United Kingdom withdrawal from the European Union .

Table 11 The Changes of Consumer Price Indices for Major Countries

Unit: %

Period	ROC(Taiwan)		US		Japan		China		South Korea		Singapore		HK		Indonesia		Germany		Philippines	
		Food		Food		Food		Food		Food		Food		Food		Food		Food		Food
2012	1.93	4.17	2.1	2.6	-0.1	0.1	2.6	4.8	2.2	4.0	4.6	2.3	4.1	5.8	4.3	5.9	2.0	3.4	3.0	...
2013	0.79	1.25	1.5	1.4	0.3	-0.1	2.6	4.7	1.3	0.9	2.4	2.1	4.3	4.4	6.4	11.9	1.5	3.8	2.6	2.5
2014	1.20	3.75	1.6	2.4	2.8	3.8	1.9	3.1	1.3	0.3	1.0	2.9	4.4	4.1	6.4	6.8	0.9	1.1	3.6	5.9
2015	-0.30	3.13	0.1	1.9	0.8	3.1	1.4	2.3	0.7	1.6	-0.5	1.9	3.0	4.0	6.4	7.2	0.5	0.6	0.7	1.8
2016	1.39	5.23	1.3	0.3	-0.1	1.7	2.0	3.8	1.0	2.3	-0.5	2.1	2.4	3.4	3.5	7.2	0.5	0.8	1.3	1.6
2017	0.62	-0.37	2.1	0.9	0.5	0.7	1.6	-0.4	1.9	3.4	0.6	1.4	1.5	2.2	3.8	2.1	1.5	2.8	2.9	3.0
2018	1.35	0.99	2.4	1.4	1.0	1.4	2.1	1.9	1.5	2.8	0.4	1.4	2.4	3.4	3.2	4.2	1.7	2.3	5.2	6.8
2019	0.56	1.91	1.8	1.9	0.5	0.4	2.9	7.0	0.4	0.0	0.6	1.5	2.9	4.9	3.0	3.2	1.4	1.1	2.5	2.1
2020	-0.23	0.67	1.2	3.4	0.0	1.4	2.4	8.3	0.5	4.4	-0.2	1.9	0.3	3.3	1.9	3.2	0.5	2.3	2.6	2.7
Jul.	-0.51	0.78	1.0	4.1	0.3	1.9	1.8	10.2	0.3	4.3	-0.4	2.2	-2.3	0.8	1.2	1.7	-0.1	1.0	2.7	2.4
Aug.	-0.33	0.17	1.3	4.1	0.2	2.9	2.4	8.8	0.7	6.6	-0.4	1.8	-0.4	0.5	1.1	-0.8	0.0	0.6	2.4	1.8
Sep.	-0.58	-0.73	1.4	3.9	0.1	1.9	1.7	6.4	1.0	8.3	0.0	1.8	-2.2	1.6	1.3	1.8	-0.2	0.6	2.3	1.5
Oct.	-0.26	-0.28	1.2	3.9	-0.4	1.1	0.5	2.4	0.1	8.2	-0.2	1.7	-0.4	1.8	1.3	2.2	-0.2	1.3	2.5	2.1
Nov.	0.09	0.39	1.2	3.7	-1.0	-0.2	-0.4	-0.7	0.6	6.9	-0.1	1.8	-0.3	1.8	1.5	2.1	-0.3	1.2	3.3	4.3
Dec.	0.05	0.32	1.4	3.9	-1.2	-0.8	0.3	1.4	0.5	6.2	0.0	1.6	-1.0	1.0	1.6	3.6	-0.3	0.4	3.5	4.8
2021 Jan. ~ Jul.	1.54	1.29	3.7	3.0	-0.2	-0.5	0.6	0.1	1.9	7.6	1.5	1.2	1.0	0.8	1.5	2.4	2.1	2.0	4.4	5.3
Jan.	-0.19	1.21	1.4	3.8	-0.6	-0.1	-0.2	1.4	0.6	6.5	0.2	1.5	2.6	0.0	1.6	2.8	1.0	1.9	4.2	6.1
Feb.	1.38	0.40	1.7	3.6	-0.4	0.0	-0.4	0.3	1.1	9.7	0.7	1.6	0.5	0.8	1.4	1.9	1.3	1.4	4.7	6.7
Mar.	1.23	0.52	2.6	3.5	-0.1	-0.2	0.3	0.1	1.5	8.4	1.3	1.4	0.6	1.3	1.4	2.2	1.7	1.6	4.5	5.8
Apr.	2.10	0.61	4.2	2.4	-0.5	-1.2	0.9	0.1	2.3	8.1	2.1	1.0	0.8	0.8	1.4	2.3	2.0	1.9	4.5	4.8
May	2.47	1.68	5.0	2.2	-0.1	-0.9	1.6	0.8	2.6	7.4	2.4	1.0	1.0	1.0	1.7	3.1	2.5	1.4	4.5	4.6
Jun.	1.87	2.18	5.4	2.4	0.2	0.1	1.7	-0.4	2.4	6.5	2.4	0.9	0.7	1.2	1.3	1.8	2.3	1.3	4.1	4.7
Jul.	1.95	2.45	5.4	3.4	...	...	1.0	-1.8	2.6	6.4	...	...	...	...	1.5	2.7	3.8	4.3	4.0	4.9

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

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

2. Change rates of food source from official websites.

Table 12 Summary of Earning and Productivity Statistics in Taiwan Area

Year and month	Employees on payrolls			Industry & services									Total monthly earnings of each employee			
	Industry & services (Thousand person)	Industry (Thousand person)	Services (Thousand person)	Accessions		Separations		Monthly working hours of each employee			Regular earnings		Overtime pay			
				(Thousand person)	(%)	(Thousand person)	(%)	(hour)	Overtime		(NT\$)	(NT\$)	Annual growth rate (%)	(NT\$)	Annual growth rate (%)	
									(hour)	Changes (hour)						
(Thousand person)	(Thousand person)	(Thousand person)	(Thousand person)	(%)	(Thousand person)	(%)	(hour)	(hour)	(hour)	(NT\$)	(NT\$)	(%)	(NT\$)	(%)		
2012	7,075	3,138	3,937	165	2.34	155	2.20	178.4	8.0	-0.4	46,109	37,193	1.25	1,399	-1.55	
2013	7,204	3,172	4,032	172	2.40	160	2.22	177.1	8.5	0.5	46,174	37,552	0.97	1,506	7.65	
2014	7,381	3,238	4,144	188	2.56	173	2.35	177.9	8.6	0.1	47,832	38,218	1.77	1,556	3.32	
2015	7,532	3,279	4,253	177	2.36	167	2.22	175.3	8.3	-0.3	49,024	38,712	1.29	1,562	0.39	
2016	7,637	3,294	4,343	174	2.29	165	2.17	169.6	8.5	0.2	49,266	39,213	1.29	1,656	6.02	
2017	7,769	3,337	4,432	182	2.35	171	2.20	169.6	8.0	-0.5	50,480	39,928	1.82	1,724	4.11	
2018	7,877	3,376	4,500	186	2.37	178	2.26	169.4	8.1	0.1	52,407	40,959	2.58	1,820	5.57	
2019	8,118	3,394	4,724	189	2.33	181	2.23	168.9	7.8	-	53,457	41,776	-	1,821	-	
2020	8,113	3,388	4,725	181	2.23	183	2.25	168.4	7.4	-0.4	54,160	42,394	1.48	1,797	-1.32	
May	8,059	3,383	4,675	152	1.89	172	2.14	163.5	7.0	-1.0	49,357	42,091	0.74	1,706	-9.01	
Jun.	8,067	3,377	4,690	162	2.01	153	1.90	168.7	6.8	-1.0	50,407	42,226	1.37	1,656	-10.29	
Jul.	8,107	3,385	4,723	230	2.85	190	2.35	181.1	6.7	-0.8	55,042	42,380	1.27	1,634	-5.82	
Aug.	8,110	3,379	4,732	222	2.73	219	2.70	170.0	7.0	-0.7	50,919	42,521	1.26	1,701	-4.55	
Sep.	8,112	3,379	4,733	213	2.62	210	2.60	180.7	6.9	-0.8	50,351	42,635	2.07	1,680	-7.08	
Oct.	8,124	3,381	4,743	190	2.35	178	2.20	158.9	7.7	-0.2	47,838	42,651	1.63	1,876	0.70	
Nov.	8,142	3,390	4,753	165	2.04	147	1.81	170.5	7.6	-0.4	48,482	42,657	1.58	1,855	-1.22	
Dec.	8,153	3,396	4,757	156	1.92	146	1.79	182.8	7.9	-0.3	53,520	42,865	1.14	1,919	-1.39	
2021 Jan. ~ Jun.	8,132	3,401	4,732	172	2.11	194	2.37	161.5	8.1	0.5	59,017	42,968	1.90	2,009	10.63	
Jan.	8,167	3,401	4,766	173	2.12	159	1.94	165.1	8.2	-0.1	71,991	43,116	2.05	2,015	1.97	
Feb.	8,151	3,396	4,755	156	1.91	172	2.11	134.2	7.7	-0.4	79,596	42,821	1.45	1,989	4.08	
Mar.	8,163	3,404	4,759	215	2.64	203	2.49	177.4	8.2	0.3	49,025	43,212	2.40	2,012	8.17	
Apr.	8,171	3,405	4,766	190	2.32	182	2.23	160.5	8.6	1.1	50,157	43,188	2.76	2,146	20.43	
May	8,117	3,402	4,715	159	1.95	213	2.60	166.1	7.9	0.9	51,907	42,838	1.77	1,981	16.12	
Jun.	8,024	3,396	4,628	141	1.74	234	2.88	165.2	7.7	0.9	51,288	42,625	0.94	1,907	15.16	
The change compared with the last month(value)	- 93	- 6	- 87	- 18	-0.21	21	0.28	-0.9	-0.2		-619	- 213		- 74		
The change compared with the same month of last year(value)	- 43	19	- 62	- 21	-0.27	81	0.98	-3.5	0.9		881	399		251		
The change compared with the same period (Jan. ~Jun.) of last year(value)	31	11	22	6	0.06	10	0.10	-1.4	0.5		1,713	801		193		
The change compared with the last month(rate)	-1.14	-0.16	-1.85	-11.27		9.90		-0.54	-2.53		-1.19	-0.50		-3.74		
The change compared with the same month of last year(rate)	-0.53	0.57	-1.32	-12.60		52.72		-2.07	13.24		1.75	0.94		15.16		
The change compared with the same period (Jan. ~Jun.) of last year(rate)	0.39	0.31	0.45	3.58		5.22		-0.86	6.58		2.99	1.90		10.63		

Note : 1. Total monthly earnings of all employees are the total of regular(basic salary,monthly bonus,fixed subsidy and good attendance reward) and irregular(over-time, annul bonus,flexible bonus not paid by month) earnings of employees on payroll,but exclude the non-working reward such as insurance and pension.
2. Number of employees at the end of this month = Number of employees at the end of last month + Number of accession in this month - Number of separation in this month. However, the formula above does not apply on annual average data since the annual employees number is mean of a year not the number at the end of a year.
3. Both Industry & Services and Services Sectors statistics has covered educational support activities & other education in Education Industry since 2009, and has covered Scientific Research & Development, Pre-primary Education in Education Industry, and Social Work Activities since January 2019. Due to the change in scope of industry coverage, 2018-2019 changes and change rates were not shown.

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	Entre- 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
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
2017	3.07	1.43	129.3	69.6	15.7	19.1	24.9	101.9	2.6	33.2	2.6	88.1	2.7	28.4	2.6	81.2	4.5	20.7	-4.2
2018	3.05	1.42	131.0	70.7	15.9	19.2	25.2	103.6	1.7	34.0	2.4	88.6	0.6	29.2	2.6	81.1	-0.0	22.5	8.5
2019	3.02	1.40	133.6	72.5	15.7	19.4	26.0	106.0	2.3	35.1	3.3	90.5	2.1	30.3	3.9	82.9	2.2	23.1	2.5
2020	2.92	1.37	135.6	72.6	15.6	19.5	27.9	108.0	1.9	37.0	5.4	92.9	2.6	32.0	5.7	81.5	-1.7	26.5	14.8

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
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
2017	6.07	0.337	3.89	0.277	3.88	0.270
2018	6.09	0.338	3.90	0.278	3.86	0.270
2019	6.10	0.339	3.90	0.276	3.90	0.269
2020	6.13	0.340	3.84	0.274	3.84	0.267

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		Ratio C	With Current Transfer From Government	With Current Transfers to Government	With Current Transfers			
	Lowest 20%	Highest 20%		(1)	Lowest 20%	Highest 20%	(3)=(1)+(2)	Ratio B	Lowest 20%					Highest 20%	(3)-(4)	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
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
2017	290,255	2,104,297	7.25	55,343	41,315	345,598	2,145,612	6.21	7,320	92,763	338,278	2,052,850	6.07	1.04	0.14	1.18
2018	297,083	2,153,435	7.25	55,280	40,569	352,363	2,194,005	6.23	7,415	94,975	344,948	2,099,030	6.09	1.02	0.14	1.16
2019	301,987	2,193,308	7.26	55,645	40,544	357,631	2,233,853	6.25	7,442	95,982	350,189	2,137,871	6.10	1.02	0.14	1.16
2020	298,230	2,215,641	7.43	64,214	57,660	362,444	2,273,300	6.27	7,485	96,906	354,959	2,176,394	6.13	1.16	0.14	1.30

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)		South Korea (C)		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	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
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	8.32	0.39	-	-	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	8.10	0.39	-	-	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	7.68	0.37	-	-	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	7.37	0.36	-	-	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	6.91	0.35	-	-	11.8	0.46	0.41		
2016	6.08	0.336	6.31	-	-	16.53	0.48	21.20	0.52	3.89	0.278	-	-	14.34	0.46	4.46	0.28	5.45	0.30	6.98	0.36	-	-	11.7	0.46	0.40		
2017	6.07	0.337	6.43	-	-	16.73	0.48	-	-	3.89	0.277	-	-	14.31	0.46	-	-	-	-	6.96	0.35	-	-	11.8	0.46	0.40		
2018	6.09	0.338	6.38	-	-	16.98	0.49	-	-	3.90	0.278	-	-	14.37	0.46	-	-	-	-	6.54	0.35	-	-	11.9	0.46	0.40		
2019	6.10	0.339	6.42	-	-	16.65	0.48	-	-	3.90	0.276	-	-	14.03	0.47	-	-	-	-	6.25	0.34	-	-	11.6	0.45	0.40		
2020	6.13	0.340	6.62	-	-	-	-	-	-	3.84	0.274	-	-	-	-	-	-	-	-	-	-	-	-	11.8	0.45	0.38		

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 (farm households are excluded), South Korea (c) 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: (a) (b) Annual Report on the Household Income and Expenditure Survey, (c) Survey of Household Finances and Living Conditions. 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 and 2020 is from the Census of Population; for the year of 2005 is from General Household Survey; for the year of 2001-2004 · 2006-2009 · 2011-2019 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	Magazine			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	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	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	85.6	-	41.0	11.5
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	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	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	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	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
2017	99.0	15.4	90.8	91.3	98.6	93.9	86.4	77.8	10.2	42.8	95.1	83.8	60.8	68.1	94.1	10.8	4.2	89.3	84.8	4.4	45.0	14.7
2018	98.8	10.8	93.0	89.6	98.8	94.1	86.1	76.9	11.1	43.0	95.2	83.6	60.6	66.8	95.4	9.9	3.5	89.2	84.5	4.7	45.2	14.8
2019	98.7	8.1	94.3	88.2	98.7	94.7	85.9	75.4	12.0	43.1	95.6	84.2	60.8	66.7	95.5	9.3	3.3	89.3	84.7	4.6	45.1	14.9
2020	98.8	5.1	96.2	85.9	99.0	96.0	85.2	73.7	12.6	43.6	96.2	83.3	60.3	66.0	97.4	7.7	3.4	89.6	84.7	4.9	44.9	15.4
by five equal divisions of household according to disposable income																						
1 Lowest 20%	97.5	9.2	90.9	81.3	96.7	88.7	74.5	65.8	8.8	26.7	84.9	70.2	29.5	26.9	90.0	5.6	0.5	86.2	79.0	7.1	39.2	24.5
2	98.5	5.7	95.2	82.7	99.2	95.5	83.9	73.9	10.6	36.9	97.3	82.3	47.1	52.6	95.7	6.6	1.1	86.3	79.7	6.6	41.7	18.0
3	99.2	4.1	97.7	86.0	99.5	97.6	87.5	76.2	12.2	44.5	99.2	87.0	65.3	74.1	98.0	7.7	3.0	88.3	83.8	4.5	44.3	14.6
4	99.4	3.6	98.3	88.8	99.6	98.7	89.1	77.1	13.1	50.4	99.8	90.3	74.2	83.7	98.6	8.9	3.4	92.1	88.6	3.4	46.5	13.0
5 Highest 20%	99.3	3.1	98.9	90.6	99.9	99.5	91.1	75.3	18.5	59.3	99.9	86.5	85.2	92.6	99.1	9.8	8.8	95.1	92.3	2.8	52.9	12.9

Explanation : 1 pin \approx 3.31 square meters.

Note : ① Concerning housing tenure, before 2010, the term "self-owned" means owned by household members and their lineal relatives. From 2010, the meaning is amended to owned by household members who usually live in this house in accordance with the definition of 2010 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	1,791,573	5.72	0.47
2011	907,988	296,352	1,827,354	6.17	9,931	22,268	5,757	917,918	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	332,480	1,891,093	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	12,948	23,992	10,953	1,006,062	353,392	2,015,118	5.70	0.38
2017	1,018,941	338,278	2,052,850	6.07	13,955	24,574	12,794	1,032,896	362,852	2,065,644	5.69	0.38
2018	1,036,304	344,948	2,099,030	6.09	15,140	24,999	14,543	1,051,444	369,947	2,113,573	5.71	0.37
2019	1,059,731	350,189	2,137,871	6.10	17,167	26,452	17,302	1,076,898	376,641	2,155,173	5.72	0.38
2020	1,079,648	354,959	2,176,394	6.13	19,135	28,401	20,003	1,098,784	383,361	2,196,397	5.73	0.40