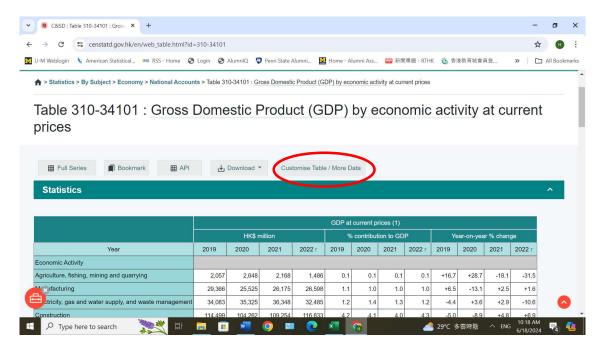
How I obtain the data file for Value Added by Sector in Hong Kong:

- (A) For figures from 2000 onwards:
- 1) Go to Table 310-34101: Gross Domestic Product (GDP) by economic activity at current prices hosted on the website of the Census and Statistics Department, Hong Kong

https://www.censtatd.gov.hk/en/web table.html?id=310-34101

2) Click the button 'Customise Table / More Data'



3) Check / uncheck the boxes as described below:

Under the heading 'Statistics'

- (i) For 'Position': Choose 'Column (Head)'
- (ii) Uncheck 'GDP at current prices % contribution to GDP' and 'GDP at current prices Year-on-year % change' (i.e. only retain 'GDP at current prices HK\$ million')

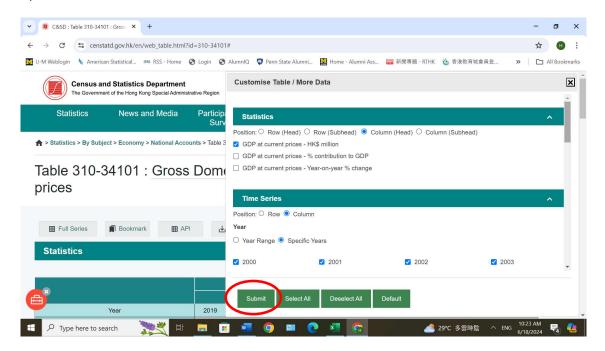
Under the heading 'Time Series'

- (i) For 'Position': Choose 'Column'
- (ii) For 'Year': Choose 'Specific Years', then check 'All'

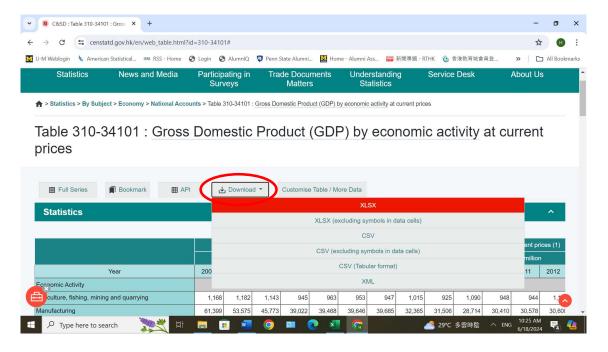
Under the heading 'Economic Activity'

- (i) For 'Position': Choose 'Row'
- (ii) Check 'All', then uncheck 'Grand Total/total'

4) Click the button 'Submit'

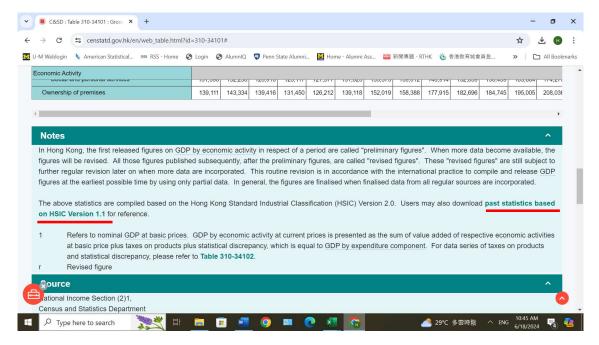


5) Click the button 'Download', and save the file in 'XLSX' format



(B) For figures from 1980 to 1999:

1) Download the figures by clicking 'past statistics based on HSIC Version 1.1' under 'Notes'.



2) To make the comparison by sector between '1980 – 1999' (based on Hong Kong Industrial Classification (HSIC) V1.1) and '2000 – ' (based on Hong Kong Industrial Classification V2.0) more meaningful, I have made various adjustments to the '1980 – 1999' figures as explained in section (C).

(C) Adjustments made to 1980 – 1999 figures:

(I) Transport and storage

What I have: 'Transport and storage'

What I want: 'Land transport', 'Water transport', 'Air transport', 'Warehousing and other transportation services', and 'postal and courier services'

From the reports 'Survey of Transport Establishments' (1980); 'Survey of Transport and Related Services' (1981 – 1994); 'Report on Annual Survey of Transport & Related Services (1995 – 2000), I obtained value added of the following industries:

- i. Land passenger transport
- ii. Land freight transport
- iii. Supporting services to land transport
- iv. Ocean and coastal water transport
- v. Inland water transport
- vi. Supporting services to water transport
- vii. Air transport
- viii. Services incidental to transport

https://www.censtatd.gov.hk/en/EIndexbySubject.html?pcode=B1080010&scode=340

From the reports 'Census of Storage, Communications, Financing, Insurance and Business Services - Part I' (1980); 'Survey of Storage, Communications, Financing, Insurance and Business Services' (1982 – 1992); 'Report on Survey of Storage, Communication, Financing, Insurance & Business Services' (1993 – 1994); and 'Report on Annual Surveys of Storage, Communication, Banking, Financing, Insurance and Business Services' (1995 – 2000), I obtained value added of the following industries:

ix. Storage

https://www.censtatd.gov.hk/en/EindexbySubject.html?pcode=B1080013&scode=560

Under the sub-group 'Services incidental to transport', I separated out:

- Travel agency (this industry should be classified to 'business services' under HSIC V2.0)
 - o Figures for 1980, 1981, 1996 2000 can be found from the reports.
 - Figures for 1982 1995 were assumed to be 0.364 of value added of 'services incidental to transport' of the corresponding year (0.364 is the ratio in 1996)
- Air and sea cargo forwarding (this industry should be classified to 'water transport' and 'air transport')
 - o Figures for 1980, 1981, 1996 2000 can be found from the reports.
 - Figures for 1990 1995 were assumed to be 0.60 of value added of 'services incidental to transport' of the corresponding year (0.60 is the ratio in 1996)
 - Figures for 1982 was assumed to be 0.44 of value added of 'services incidental to transport' (0.44 is the ratio in 1982).

 Figures for 1983 – 1989 were then assumed respectively to be 0.46, 0.48, 0.50, 0.52, 0.54, 0.56 and 0.58 of value added of 'services incidental to transport' of the year concerned, so that the ratio converged to 0.60 in 1990s.

After subtracting value added of industries (i) - (ix) from the value added of 'transport and storage', there is still a residual amount (denoted as R).

Finally, the value added of:

'Land transport' = 'Land passenger transport' + Land freight transport' + 'Supporting services to land transport' + 0.96R

'Water transport' = 'Ocean and coastal water transport' + Inland water transport'

+ 'Supporting services to water transport'

+ 0.4 × 'Air and sea cargo forwarding'

'Air transport' = 'Air transport' + 0.6 × 'Air and sea cargo forwarding'

'Warehousing and other transportation services' = 'Storage' + 0.04R

'Transportation and storage' = 'Land transport' + 'Water transport' + 'Air transport' + 'Warehousing and other transportation services'

For comparison purpose, the derived 2000 figures and the actual 2000 figures published are presented below:

	Derived 2000 figures	Actual 2000 published
Industry	(HK\$ million)	figures (HK\$ million)
Land transport	36,755	37,771
Water transport	24,408	24,053
Air transport	29,125	28,542
Warehousing and other	1,782	1,758
transportation services		
Transportation and	92,070	92,125
storage		

(II) Communications

What I have: 'Communications'

What I want: 'Courier services' and 'Telecommunications'

Use the ratios in 2000 of (i) Courier services / (Courier services + Telecommunications); and (ii) Telecommunications / (Courier services + Telecommunications); and apply these ratios to "Communications' to get the 1980 – 1999 figures.

For comparison purpose, the derived 2000 figures and the actual 2000 figures published are presented below:

	Derived 2000 figures	Actual 2000 published
Industry	(HK\$ million)	figures (HK\$ million)
Telecommunications	20,961	20,944
Courier services	5,478	5,473

(III) Other information and communication services

What I have: No such industry breakdowns under old HSIC V1.1

What I want: 'Other information and communication services'

'Other information and communication services' comprises two major industries: information technology related services; and TV/radio broadcasting activities

For information technology services, value added of an industry called 'data processing and tabulation services' can be obtained from the reports 'Census of Storage, Communications, Financing, Insurance and Business Services - Part I' (1980); 'Survey of Storage, Communications, Financing, Insurance and Business Services' (1982 – 1992); 'Report on Survey of Storage, Communication, Financing, Insurance & Business Services' (1993 – 1994); and 'Report on Annual Surveys of Storage, Communication, Banking, Financing, Insurance and Business Services' (1995 – 2000).

https://www.censtatd.gov.hk/en/EindexbySubject.html?pcode=B1080013&scode=560

For TV/radio broadcasting activities, they are classified under 'community, social and personal services' in the old HSIC V1.1. It is assumed that value added of TV/radio broadcasting activities is 6% of value added of 'community, social and personal services' under HSIC V1.1

For comparison purpose, the derived 2000 figures and the actual 2000 figures published are presented below:

	Derived 2000 figures	Actual 2000 published
Industry	(HK\$ million)	figures (HK\$ million)
Other information and	20,525	21,927
communication services		

(IV) Business services

Consequential to the moving of 'travel agency' from 'transport and storage' to 'business services'; and the moving of 'data processing and tabulation services' from 'business services' to 'other information and communication services', the business services under HSIC V1.1 can be converted to 'professional and business services' under HSIC V2.0 by:

Professional and business services = 'Business services' + 'Travel agency'
- 'Data processing and tabulation services'

For comparison purpose, the derived 2000 figures and the actual 2000 figures published are presented below:

Industry	Derived 2000 figures (HK\$ million)	Actual 2000 published figures (HK\$ million)
Professional and	54,555	53,810
business services		

(V) Public administration; Social and personal services

Consequential to the moving of TV/radio broadcasting activities from 'community, social and personal services' under HSIC V1.1 to 'other information and communication services' under HSIC V2.0, 'community, social and personal services' under HSIC V1.1 can be converted to 'public administration, social and personal services' under HSIC V2.0 by:

Public administration, social and personal services = 'Community, social and personal services' – TV/radio broadcasting activities

To further separate 'public administration, social and personal services' into 'public administration' and 'social and personal services':

For 1991 – 2000, 'public administration' = 'community, social and personal services' × ratio of 'public administration' to 'public administration, social and personal services' in 2000

For 1980 – 1990, 'public administration' = Compensation of employees under 'Government Consumption Expenditure (GCE)' / 0.851

(0.851 is the ratio of compensation of employees under GCE to value added of public administration in 2000)

'Social and personal services' = 'Public administration, social and personal services' - 'Public administration'

For comparison purpose, the derived 2000 figures and the actual 2000 figures published are presented below:

	Derived 2000 figures	Actual 2000 published
Industry	(HK\$ million)	figures (HK\$ million)
Public administration	109,185	112,027
Social and personal	128,063	131,396
services		