

Hong Kong, China

East Asia

Basic Economic Indicators

Economic Aggregates (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price	167,660	203,312	219,795	265,986	310,394	349,585	334,038
Gross output	312,246	388,587	438,835	537,316	611,933	684,652	642,521
Total intermediate inputs	141,051	179,179	211,680	262,763	292,265	329,726	300,305
Taxes less subsidies on products	1,357	2,976	3,528	4,017	4,384	5,342	8,179
International transport margins	0	0	0	0	0	0	0
CIF/FOB adjustment	0	0	0	0	0	0	0
Direct purchases abroad by residents	2,178	3,120	3,831	4,549	4,890	0	0
Purchases by nonresidents on the domestic territory	0	0	0	0	0	0	0
Household final consumption expenditure	70,067	87,099	92,975	119,858	133,433	188,142	175,405
Final consumption expenditure by NPISHs	6,126	7,770	8,888	11,545	13,125	16,563	15,136
Government final consumption expenditure	15,969	17,640	20,088	25,426	31,546	39,136	43,824
Gross fixed capital formation	31,307	25,231	30,247	38,952	50,009	50,466	47,230
Changes in inventories	871	203	571	-21	-2	-4,803	7,773
Total final demand	124,340	137,944	152,768	195,760	228,110	289,504	289,369
Exports	86,578	127,881	143,434	162,861	177,849	142,328	113,829
Imports	72,921	105,280	136,149	180,277	181,457	136,113	107,089

Economic Aggregates, Top 3 Sectors (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price							
Finance	21,456	40,864	35,899	43,334	55,092	74,030	70,738
Wholesale trade	29,487	39,155	42,600	53,569	55,100	58,777	56,163
Real estate	26,068	29,179	34,980	42,342	49,158	55,037	52,589
Gross output							
Wholesale trade	62,202	86,598	100,748	127,930	132,076	141,142	131,446
Finance	30,983	62,987	59,599	73,932	90,594	121,521	108,817
Real estate	32,541	37,453	45,486	54,915	63,671	72,030	68,881
Total intermediate inputs							
Wholesale trade	31,862	46,092	56,746	72,727	75,212	81,467	73,909
Finance	9,098	21,222	22,373	29,059	33,845	46,083	35,924
Construction	18,068	12,769	17,320	25,460	38,815	35,669	34,030
Total final demand							
Finance	11,533	19,664	16,360	20,476	27,480	47,114	49,445
Real estate	22,520	23,903	26,742	31,947	38,567	47,551	45,596
Wholesale trade	9,451	12,030	15,420	24,582	20,303	37,177	44,206
Exports							
Wholesale trade	43,697	64,577	71,290	84,795	96,004	63,445	49,271
Air transport	5,598	9,989	11,740	12,588	12,370	8,032	7,674
Food and beverages	5,198	3,534	3,480	3,003	3,177	7,816	7,469
Imports							
Wholesale trade	19,172	41,697	63,703	91,526	87,903	56,511	36,203
Food and beverages	16,044	14,794	20,867	27,937	30,389	26,193	26,060
Electricals	2,605	2,548	4,080	5,170	5,058	6,571	6,380

Domestic Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
First-round effect							
Rubber and plastics	0.35	0.24	0.24	0.23	0.26	0.71	0.76
Water transport	0.52	0.58	0.54	0.56	0.54	0.71	0.75
Machinery, NEC	0.36	0.26	0.24	0.23	0.26	0.67	0.71
Industrial support effect							
Construction	0.54	0.48	0.50	0.48	0.58	0.60	0.65
Water transport	0.30	0.36	0.32	0.34	0.33	0.57	0.64
Rubber and plastics	0.16	0.11	0.12	0.12	0.14	0.48	0.51
Production-induced effect							
Water transport	0.82	0.94	0.87	0.90	0.87	1.28	1.39
Rubber and plastics	0.51	0.35	0.35	0.34	0.40	1.19	1.27
Construction	1.11	1.02	1.04	1.01	1.14	1.18	1.24

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Domestic Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Simple value-added multiplier							
Real estate	0.95	0.95	0.95	0.96	0.95	0.97	0.97
Public administration	0.92	0.91	0.92	0.93	0.94	0.96	0.96
Finance	0.92	0.89	0.90	0.89	0.91	0.94	0.96
Type I value-added multiplier							
Rubber and plastics	2.65	2.63	4.46	4.52	6.20	36.20	39.12
Chemicals	3.29	3.00	3.99	3.88	5.19	29.96	32.93
Transport equipment	2.67	3.30	4.78	4.67	6.43	32.22	31.37
Direct backward linkage							
Rubber and plastics	0.35	0.24	0.24	0.23	0.26	0.71	0.76
Water transport	0.52	0.58	0.54	0.56	0.54	0.71	0.75
Machinery, NEC	0.36	0.26	0.24	0.23	0.26	0.67	0.71
Complete hypothetical extraction (backward)							
Rubber and plastics	1.48	1.34	1.34	1.33	1.39	2.18	2.26
Machinery, NEC	1.51	1.37	1.34	1.33	1.38	2.11	2.18
Transport equipment	1.48	1.36	1.34	1.33	1.38	2.11	2.16
Partial hypothetical extraction (backward)							
Rubber and plastics	0.50	0.35	0.35	0.34	0.39	1.18	1.26
Machinery, NEC	0.53	0.38	0.35	0.34	0.39	1.11	1.19
Transport equipment	0.50	0.37	0.35	0.34	0.39	1.13	1.18
Total backward linkage							
Water transport	1.82	1.94	1.87	1.90	1.87	2.28	2.39
Rubber and plastics	1.51	1.35	1.35	1.34	1.40	2.19	2.27
Construction	2.11	2.02	2.04	2.01	2.14	2.18	2.24
Direct forward linkage							
Business activities, NEC	0.83	0.80	0.78	0.80	0.80	0.80	0.80
Telecommunications	0.71	0.70	0.70	0.69	0.70	0.71	0.72
Air transport	0.39	0.35	0.31	0.32	0.34	0.55	0.55
Complete hypothetical extraction (forward)							
Business activities, NEC	2.08	2.03	1.98	2.02	2.02	2.12	2.11
Transport activities, NEC	1.59	1.53	1.46	1.47	1.50	1.92	1.94
Telecommunications	1.62	1.67	1.75	1.75	1.76	1.88	1.87
Partial hypothetical extraction (forward)							
Business activities, NEC	1.14	1.09	1.05	1.09	1.09	1.20	1.20
Telecommunications	0.90	0.89	0.93	0.92	0.93	1.06	1.06
Transport activities, NEC	0.59	0.54	0.46	0.47	0.50	0.93	0.95
Total forward linkage							
Business activities, NEC	2.22	2.15	2.12	2.18	2.19	2.31	2.31
Telecommunications	2.24	2.16	2.13	2.12	2.13	2.29	2.30
Air transport	1.59	1.53	1.46	1.47	1.51	1.99	2.00
Normalized backward linkage							
Water transport	1.25	1.37	1.33	1.35	1.31	1.41	1.43
Rubber and plastics	1.04	0.96	0.96	0.95	0.98	1.35	1.36
Construction	1.46	1.43	1.45	1.42	1.50	1.34	1.34
Normalized forward linkage							
Business activities, NEC	1.64	1.63	1.59	1.62	1.61	1.71	1.72
Telecommunications	1.65	1.63	1.59	1.57	1.57	1.70	1.71
Air transport	1.17	1.15	1.09	1.09	1.11	1.47	1.49
Net backward linkage							
Rubber and plastics	1.30	1.21	1.24	1.22	1.29	2.13	2.21
Machinery, NEC	1.39	1.32	1.30	1.30	1.35	2.08	2.15
Chemicals	1.39	1.26	1.26	1.26	1.31	2.06	2.13
Net forward linkage							
Business activities, NEC	1.37	1.33	1.32	1.36	1.39	1.45	1.46
Finance	1.24	1.14	1.12	1.11	1.11	1.14	1.28
Real estate	1.17	1.19	1.25	1.26	1.24	1.20	1.20

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International Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Export-to-output ratio							
Mining	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Sale of motor vehicles	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Minerals, NEC	0.99	0.96	0.96	0.96	0.96	1.00	1.00
Self-sufficiency ratio							
Wood	3.11	2.75	2.92	2.11	1.82	138.53	141.05
Chemicals	1.74	1.11	1.23	1.05	1.17	3.81	3.66
Minerals, NEC	6.14	2.90	2.74	2.53	2.22	2.52	2.46
Import-to-input ratio							
Minerals, NEC	0.45	0.62	0.70	0.71	0.69	0.67	0.58
Refined fuels	0.36	0.59	0.66	0.68	0.67	0.62	0.53
Metals	0.47	0.63	0.71	0.71	0.70	0.60	0.50
Domestic inputs share to output							
Rubber and plastics	0.35	0.24	0.24	0.23	0.26	0.71	0.76
Water transport	0.52	0.58	0.54	0.56	0.54	0.71	0.75
Machinery, NEC	0.36	0.26	0.24	0.23	0.26	0.67	0.71
Foreign inputs share to output							
Minerals, NEC	0.45	0.62	0.70	0.71	0.69	0.67	0.58
Refined fuels	0.36	0.59	0.66	0.68	0.67	0.62	0.53
Metals	0.47	0.63	0.71	0.71	0.70	0.60	0.50
Backward import multipliers							
Minerals, NEC	0.53	0.69	0.78	0.78	0.77	0.73	0.65
Refined fuels	0.44	0.65	0.73	0.74	0.73	0.68	0.60
Metals	0.56	0.70	0.78	0.78	0.77	0.67	0.57
Forward import multipliers							
Metals	0.83	0.84	0.84	0.83	0.86	0.96	0.97
Minerals, NEC	0.93	0.87	0.89	0.89	0.88	0.97	0.91
Chemicals	0.79	0.80	0.81	0.79	0.80	0.86	0.81
Intraregional transfer multiplier							
Water transport	1.82	1.94	1.87	1.90	1.87	2.28	2.39
Rubber and plastics	1.51	1.35	1.35	1.34	1.40	2.19	2.27
Construction	2.11	2.02	2.04	2.01	2.14	2.18	2.24
Interregional spillover multiplier							
Minerals, NEC	1.79	2.05	2.26	2.29	2.23	2.33	2.20
Refined fuels	1.62	1.99	2.09	2.15	2.14	2.22	2.09
Metals	1.88	2.14	2.31	2.29	2.14	2.15	2.01
Interregional feedback multiplier							
Metals	1.15	1.25	1.31	1.32	1.30	1.21	1.20
Refined fuels	1.11	1.23	1.26	1.27	1.24	1.21	1.19
Minerals, NEC	1.13	1.22	1.24	1.25	1.23	1.21	1.19
Intraregional effect on gross output (\$ million)							
Finance	24,385.22	45,477.53	41,000.28	52,569.77	64,867.48	97,857.70	98,772.66
Wholesale trade	39,790.17	57,258.62	64,095.63	84,196.36	83,570.18	97,540.66	95,520.44
Real estate	30,332.03	34,295.95	40,771.66	49,770.53	58,069.80	67,561.45	65,097.48
Interregional effect on gross output (\$ million)							
Wholesale trade	17,851.41	23,381.69	28,833.10	34,771.89	37,320.97	34,397.34	28,383.63
Air transport	5,049.34	8,453.10	9,904.95	9,870.76	9,302.55	9,119.21	8,742.20
Finance	5,301.19	14,116.60	14,736.95	17,024.54	20,387.76	18,021.40	7,862.73
Feedback effect on gross output (\$ million)							
Wholesale trade	4,560.33	5,957.94	7,819.27	8,961.91	11,184.76	9,203.77	7,541.80
Water transport	1,122.67	2,403.63	2,991.21	3,297.93	3,052.62	3,083.73	2,834.01
Finance	1,296.43	3,392.94	3,862.02	4,337.77	5,338.39	5,641.89	2,181.41
Directly absorbed value-added exports (DAVAX) (\$ million)							
Wholesale trade	29,592.70	42,487.91	44,475.87	53,123.60	61,497.84	42,652.03	34,239.80
Retail trade	7,067.71	10,626.39	11,582.62	13,993.32	13,961.55	6,516.09	6,014.56
Air transport	2,941.88	4,241.28	5,144.25	5,294.04	5,809.46	5,059.17	5,227.36
Reflection (REF) (\$ million)							
Water transport	14.26	20.14	27.70	36.32	36.33	23.25	26.87
Wholesale trade	75.42	79.15	75.44	94.94	138.17	24.83	16.89
Air transport	19.02	23.10	26.66	29.20	32.46	8.85	7.46

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International Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Reexports (REX) (\$ million)							
Wholesale trade	4,821.69	5,607.74	6,838.88	7,413.20	9,669.67	6,669.67	5,830.47
Water transport	941.69	1,773.40	2,136.02	2,053.60	1,984.02	2,241.47	2,330.20
Electricals	172.17	161.82	191.82	149.39	193.29	1,137.58	1,014.50
Foreign value added (FVA) (\$ million)							
Wholesale trade	9,135.89	16,293.23	19,740.39	24,011.82	24,538.62	14,070.50	9,170.31
Food and beverages	2,047.87	1,579.24	1,753.10	1,532.82	1,721.06	4,243.33	3,636.84
Electricals	692.65	1,174.92	2,171.66	1,819.27	2,114.15	3,102.61	2,503.32
Pure double-counting (PDC) (\$ million)							
Wholesale trade	70.82	109.21	159.45	151.43	159.79	27.51	13.58
Food and beverages	11.08	6.17	5.82	4.17	6.43	5.63	4.19
Electricals	3.17	3.15	7.59	4.51	8.00	5.15	3.75
Trade-based GVC participation rate							
Metals	0.73	0.83	0.86	0.85	0.85	0.80	0.77
Minerals, NEC	0.61	0.76	0.82	0.82	0.80	0.76	0.72
Refined fuels	0.63	0.75	0.85	0.82	0.80	0.76	0.66
Production-based GVC participation rate							
Metals	0.83	0.84	0.84	0.83	0.86	0.96	0.97
Minerals, NEC	0.93	0.87	0.89	0.89	0.88	0.97	0.91
Chemicals	0.79	0.80	0.81	0.79	0.80	0.86	0.81
Trade-based backward GVC participation rate							
Minerals, NEC	0.53	0.69	0.78	0.78	0.77	0.73	0.65
Refined fuels	0.44	0.65	0.73	0.74	0.73	0.68	0.60
Metals	0.56	0.70	0.78	0.78	0.77	0.67	0.57
Trade-based forward GVC participation rate							
Transport activities, NEC	0.46	0.25	0.48	0.45	0.47	0.38	0.38
Water transport	0.22	0.21	0.22	0.19	0.20	0.30	0.33
Finance	0.20	0.20	0.22	0.19	0.19	0.30	0.30
Traditional revealed comparative advantage							
Wholesale trade	9.18	9.88	7.80	8.13	8.16	10.25	10.99
Retail trade	11.43	11.47	9.38	10.07	8.67	7.14	9.47
Water transport	2.58	3.48	3.84	4.44	3.86	6.60	8.30
New revealed comparative advantage							
Air transport	7.43	8.03	9.59	7.68	6.72	8.01	11.61
Wholesale trade	4.34	4.42	3.85	3.94	3.69	4.43	4.60
Telecommunications	2.16	2.42	3.05	3.48	3.17	3.63	4.06
Backward production length							
Minerals, NEC	2.73	2.89	3.09	3.09	3.07	3.21	3.21
Chemicals	2.97	3.05	3.19	3.17	3.13	3.24	3.21
Machinery, NEC	2.82	3.00	3.14	3.13	3.09	3.23	3.20
Forward production length							
Chemicals	3.18	3.41	3.51	3.52	3.55	3.29	3.40
Metals	3.05	3.27	3.28	3.28	3.45	3.38	3.39
Water transport	3.04	3.10	3.16	2.96	2.89	3.24	3.27
Backward production length of GVC segment							
Construction	4.25	4.11	4.12	4.18	4.19	4.45	4.55
Transport activities, NEC	3.63	3.73	3.86	3.99	3.90	4.25	4.35
Water transport	3.75	3.84	3.74	3.79	3.71	4.11	4.23
Forward production length of GVC segment							
Construction	4.79	5.06	5.39	5.37	5.55	5.44	5.29
Real estate	4.54	4.59	4.66	4.71	4.69	5.06	5.17
Finance	3.99	3.96	4.05	4.08	4.01	4.35	5.13
Backward agglomeration index							
Inland transport	-	1.04	1.00	1.01	1.06	1.13	1.12
Business activities, NEC	-	1.00	0.98	1.04	1.07	1.11	1.11
Finance	-	0.87	0.87	0.87	0.90	1.04	1.08
Forward agglomeration index							
Hotels and restaurants	-	1.07	1.06	1.07	1.06	1.12	1.12
Inland transport	-	1.08	1.00	1.01	1.02	1.15	1.12
Construction	-	1.00	1.01	1.01	1.02	1.03	1.03

CIF = cost, insurance, and freight; FOB = free on board; GVC = global value chain; NEC = not elsewhere classified; NPISHs = nonprofit institutions serving households.
Source: Calculations using the Asian Development Bank Multiregional Input-Output Table. <https://mrio.adb.org/> (accessed July 2021).

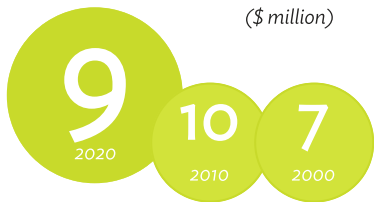
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The four select sectors are chosen based on their gross outputs in the economy as of 2019.

Economy Ranking out of 25 Economies

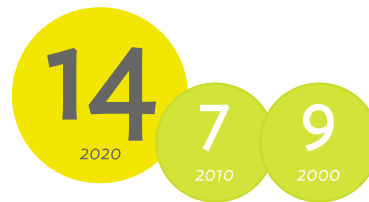
Value-Added at Basic Prices
(\$ million)



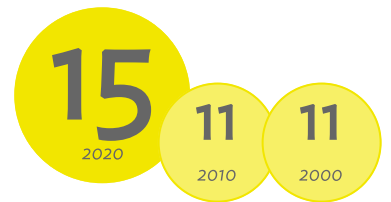
Average Output Multiplier



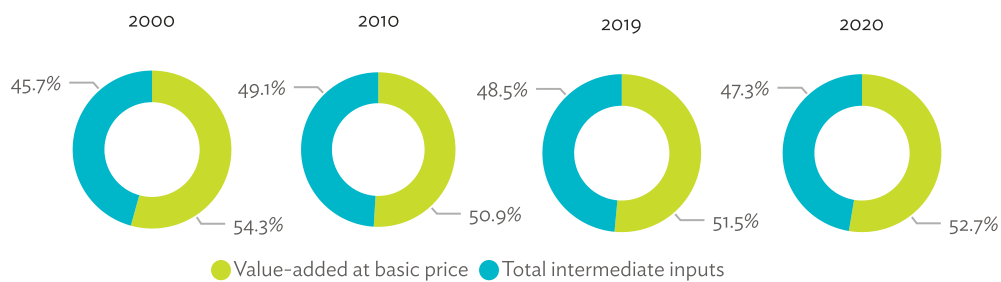
Trade Openness



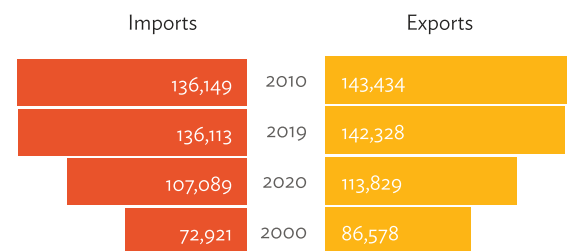
Trade-Based GVC Participation



Share of Intermediate Consumption and Gross Value-Added in Output

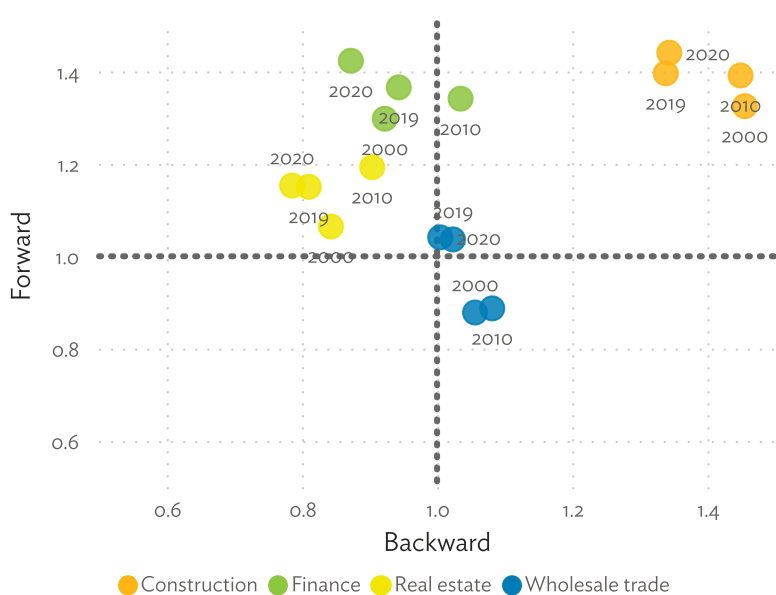


Imports and Exports, 2019-2020
(\$ million)

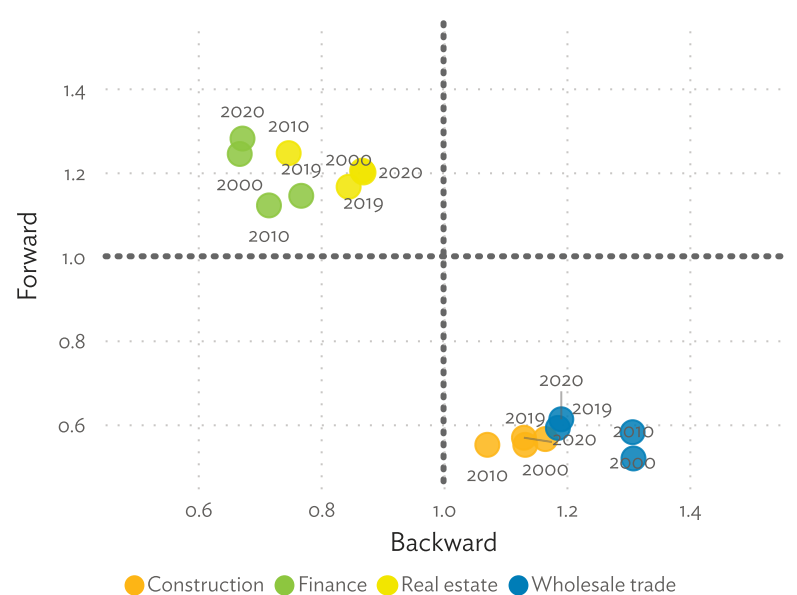


Domestic Linkages

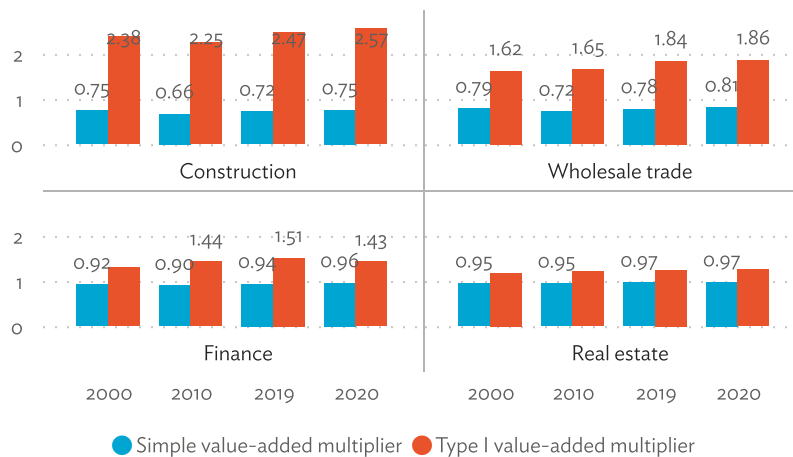
Normalized Linkages



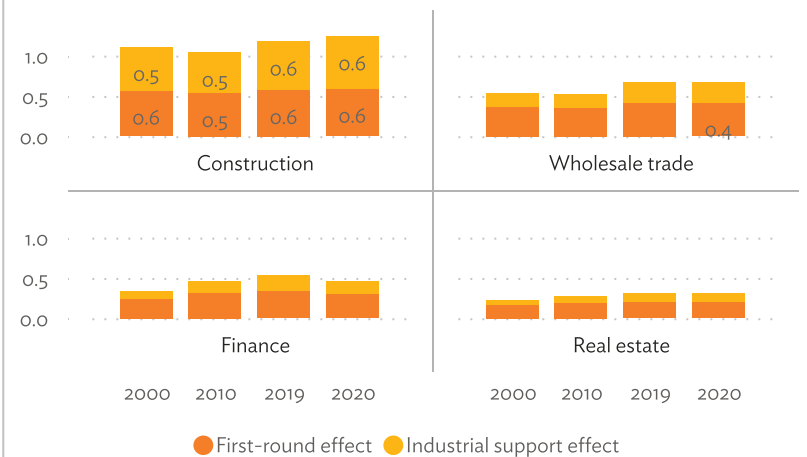
Net Linkages



Value-Added Multipliers



Production-Induced Effect

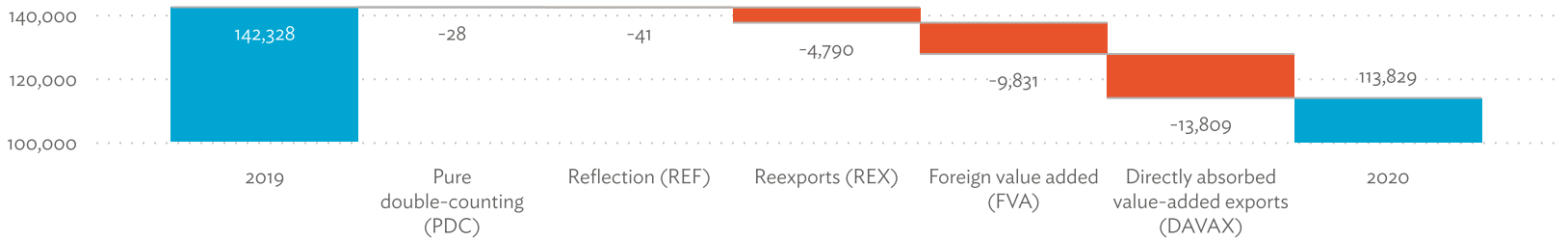


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International Linkages

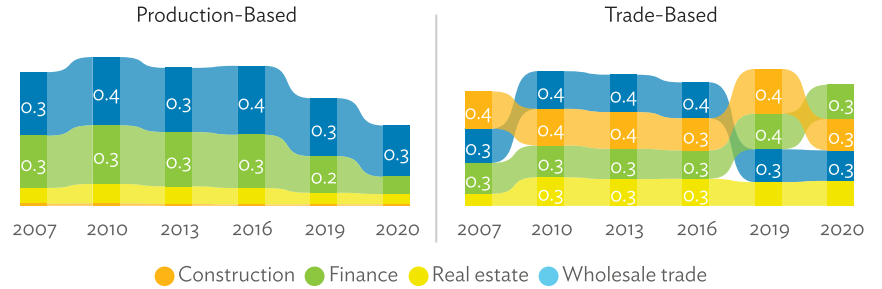
Change in Exports, by Value-Added Components, 2019-2020
(\$ million)



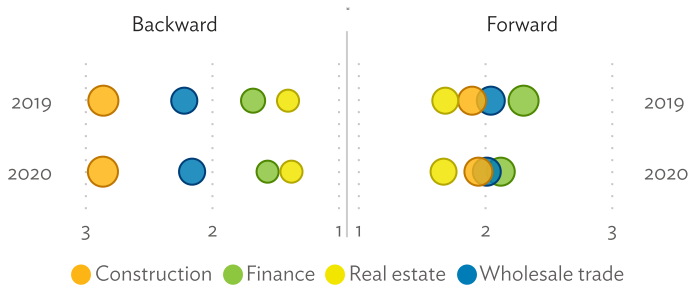
Import Multipliers



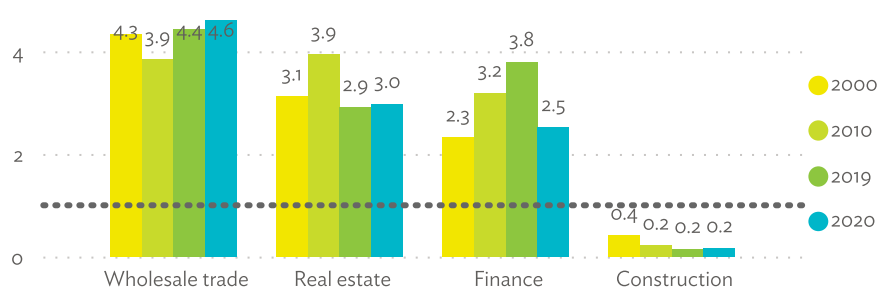
GVC Participation Rates



Average Production Length



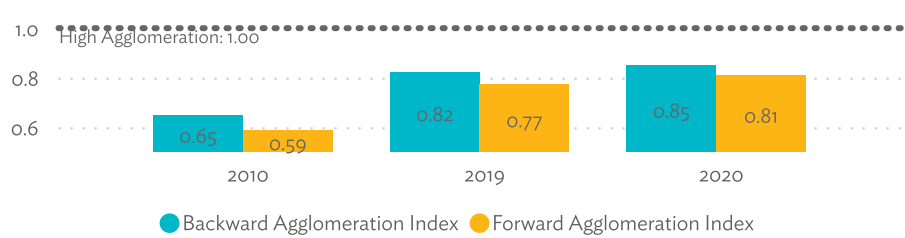
New Revealed Comparative Advantage



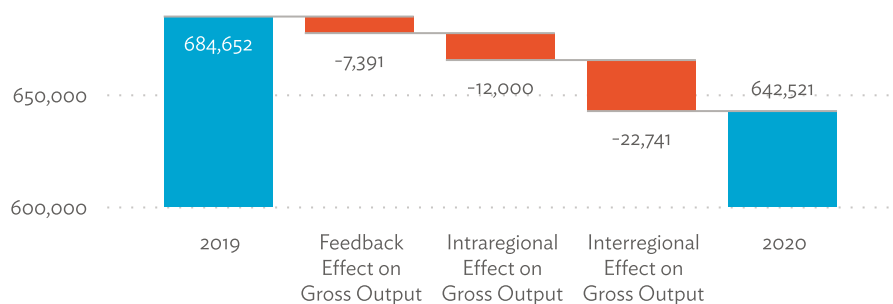
Trade Orientation



Agglomeration Indices



Domestic Transfer Effects and International Spillover Effects
(\$ million)



GVC = global value chain; NEC = not elsewhere classified.

Source: Calculations using the Asian Development Bank Multiregional Input-Output Table. <https://mrio.adb.org/> (accessed July 2021).