

Economic Aggregates (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price	85,165	188,861	248,516	314,939	288,264	360,781	333,231
Gross output	236,007	492,771	640,777	821,441	756,295	989,645	928,705
Total intermediate inputs	148,630	303,049	391,105	504,969	466,471	627,857	594,380
Taxes less subsidies on products	2,212	862	1,156	1,532	1,560	1,007	1,094
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	0	0	0	0	0	0	0
Purchases by nonresidents on the domestic territory	0	0	0	0	0	0	0
Household final consumption expenditure	27,540	68,362	98,321	137,669	136,464	179,661	171,777
Final consumption expenditure by NPISHs	3,036	36	40	55	54	134	151
Government final consumption expenditure	9,115	21,772	31,292	43,758	37,103	40,925	42,366
Gross fixed capital formation	13,454	19,966	29,693	49,393	47,158	58,520	48,143
Changes in inventories	404	444	1,805	-3,945	-2,179	-6,503	-4,107
Total final demand	53,550	110,581	161,151	226,929	218,601	272,737	258,330
Exports	105,312	203,883	219,918	242,488	199,506	237,991	207,126
Imports	90,493	164,089	179,362	213,074	177,937	210,838	185,425

Economic Aggregates, Top 3 Sectors (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price							
Public administration	2,789	8,192	12,930	18,315	16,604	29,545	30,431
Retail trade	6,941	9,276	14,391	19,396	20,698	31,242	29,102
Agriculture	7,861	17,695	23,917	27,399	23,799	26,477	27,650
Gross output							
Electricals	60,084	76,839	73,463	88,024	92,458	80,462	83,405
Food and beverages	13,177	40,206	57,751	70,530	65,319	76,486	79,531
Public administration	5,377	15,401	24,310	34,434	31,216	55,547	57,213
Total intermediate inputs							
Food and beverages	11,210	35,429	50,869	62,156	57,601	67,104	69,790
Electricals	49,746	56,860	54,327	67,357	70,755	61,677	63,928
Rubber and plastics	4,043	11,114	15,257	21,938	16,951	38,927	48,253
Total final demand							
Public administration	5,027	15,307	20,905	34,323	31,121	55,393	57,110
Construction	10,253	11,413	19,247	29,993	31,688	38,558	29,631
Food and beverages	2,595	8,426	13,868	18,693	19,693	19,287	26,575
Exports							
Electricals	54,818	71,272	68,804	69,483	75,297	80,340	78,172
Refined fuels	2,352	10,981	15,911	27,949	11,007	23,699	21,704
Mining	7,101	20,255	16,176	19,675	8,994	17,601	15,453
Imports							
Electricals	39,229	55,369	40,459	51,058	47,996	44,934	45,490
Metals	6,284	17,867	18,637	25,741	20,067	23,327	19,440
Chemicals	6,006	10,753	15,306	17,860	15,798	18,425	17,328

Domestic Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
First-round effect							
Food and beverages	0.70	0.76	0.77	0.77	0.79	0.80	0.80
Wood	0.59	0.72	0.73	0.71	0.74	0.77	0.77
Rubber and plastics	0.38	0.55	0.59	0.62	0.65	0.67	0.69
Industrial support effect							
Rubber and plastics	0.20	0.40	0.43	0.59	0.63	0.81	0.91
Food and beverages	0.61	0.60	0.63	0.70	0.74	0.86	0.90
Wood	0.32	0.44	0.48	0.54	0.60	0.76	0.77
Production-induced effect							
Food and beverages	1.31	1.36	1.40	1.47	1.54	1.66	1.70
Rubber and plastics	0.58	0.95	1.02	1.20	1.27	1.49	1.59
Wood	0.91	1.16	1.21	1.25	1.34	1.53	1.54

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Simple value-added multiplier							
Real estate	0.97	0.92	0.93	0.94	0.95	0.94	0.94
Mining	0.87	0.90	0.91	0.91	0.92	0.92	0.93
Finance	0.69	0.89	0.90	0.92	0.92	0.91	0.92
Type I value-added multiplier							
Food and beverages	4.38	5.79	6.00	6.17	6.45	6.23	6.35
Rubber and plastics	1.83	4.13	4.71	4.65	5.15	5.12	5.20
Wood	2.74	4.32	4.31	4.25	4.49	4.98	5.07
Direct backward linkage							
Food and beverages	0.70	0.76	0.77	0.77	0.79	0.80	0.80
Wood	0.59	0.72	0.73	0.71	0.74	0.77	0.77
Rubber and plastics	0.38	0.55	0.59	0.62	0.65	0.67	0.69
Complete hypothetical extraction (backward)							
Air transport	1.84	1.84	1.90	2.02	2.07	2.17	2.29
Minerals, NEC	1.44	1.69	1.77	1.80	1.86	1.90	2.02
Inland transport	1.36	1.70	1.77	1.80	1.83	1.93	2.01
Partial hypothetical extraction (backward)							
Air transport	0.84	0.86	0.94	1.04	1.10	1.19	1.29
Wood	0.83	1.08	1.12	1.10	1.15	1.17	1.21
Minerals, NEC	0.59	0.85	0.90	0.97	1.00	1.09	1.17
Total backward linkage							
Food and beverages	2.31	2.36	2.40	2.47	2.54	2.66	2.70
Rubber and plastics	1.58	1.95	2.02	2.20	2.27	2.49	2.59
Wood	1.91	2.16	2.21	2.25	2.34	2.53	2.54
Direct forward linkage							
Real estate	0.28	0.45	0.48	0.93	0.93	0.91	0.92
Agriculture	0.57	0.69	0.73	0.79	0.85	0.89	0.87
Wood	0.22	0.20	0.30	0.55	0.68	0.87	0.84
Complete hypothetical extraction (forward)							
Agriculture	1.79	1.96	1.99	2.18	2.31	2.67	2.63
Real estate	1.41	1.49	1.61	2.32	2.33	2.46	2.55
Sale of motor vehicles	1.86	1.69	1.84	1.75	1.73	2.25	2.40
Partial hypothetical extraction (forward)							
Agriculture	0.87	1.04	1.07	1.26	1.40	1.76	1.72
Real estate	0.48	0.63	0.72	1.48	1.50	1.58	1.66
Utilities	1.21	0.93	1.22	1.19	1.20	1.34	1.47
Total forward linkage							
Finance	3.12	2.32	2.38	2.70	2.77	2.89	2.99
Agriculture	1.95	2.13	2.16	2.38	2.54	2.94	2.91
Real estate	1.52	1.73	1.81	2.77	2.78	2.80	2.87
Normalized backward linkage							
Food and beverages	1.46	1.44	1.41	1.40	1.41	1.39	1.38
Rubber and plastics	1.00	1.19	1.19	1.25	1.26	1.30	1.32
Wood	1.20	1.32	1.30	1.28	1.30	1.32	1.30
Normalized forward linkage							
Finance	1.94	1.45	1.43	1.53	1.52	1.48	1.49
Agriculture	1.22	1.33	1.29	1.35	1.39	1.50	1.45
Real estate	0.94	1.08	1.08	1.57	1.52	1.43	1.43
Net backward linkage							
Machinery, NEC	0.94	1.30	1.41	1.38	1.47	1.82	1.88
Public administration	1.37	1.56	1.38	1.64	1.68	1.75	1.79
Electricals	1.18	1.10	1.23	1.20	1.31	1.69	1.76
Net forward linkage							
Real estate	1.29	1.11	1.16	1.77	1.78	1.79	1.83
Agriculture	1.29	1.29	1.31	1.45	1.54	1.79	1.77
Finance	0.43	1.18	1.22	1.38	1.42	1.47	1.52

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Self-sufficiency ratio							
Electricals	1.35	1.26	1.63	1.26	1.42	1.79	1.64
Mining	1.82	1.83	1.49	1.33	1.12	1.27	1.40
Refined fuels	1.05	1.36	1.14	1.56	1.05	1.34	1.37
Import-to-input ratio							
Electricals	0.62	0.64	0.56	0.53	0.47	0.42	0.40
Transport equipment	0.36	0.48	0.42	0.38	0.34	0.32	0.29
Metals	0.46	0.46	0.40	0.37	0.33	0.29	0.27
Export-to-output ratio							
Machinery, NEC	0.69	0.84	0.86	0.72	0.76	1.00	1.00
Electricals	0.91	0.93	0.94	0.79	0.81	1.00	0.94
Manufacturing, NEC	0.50	0.42	0.41	0.38	0.34	0.67	0.73
Domestic inputs share to output							
Food and beverages	0.70	0.76	0.77	0.77	0.79	0.80	0.80
Wood	0.59	0.72	0.73	0.71	0.74	0.77	0.77
Rubber and plastics	0.38	0.55	0.59	0.62	0.65	0.67	0.69
Foreign inputs share to output							
Electricals	0.62	0.64	0.56	0.53	0.47	0.42	0.40
Transport equipment	0.36	0.48	0.42	0.38	0.34	0.32	0.29
Metals	0.46	0.46	0.40	0.37	0.33	0.29	0.27
Backward import multipliers							
Transport equipment	0.53	0.65	0.59	0.58	0.52	0.55	0.52
Electricals	0.70	0.69	0.63	0.63	0.58	0.52	0.49
Rubber and plastics	0.42	0.56	0.50	0.50	0.45	0.46	0.45
Forward import multipliers							
Mining	0.70	0.79	0.71	0.81	0.52	0.76	0.80
Electricals	0.65	0.58	0.63	0.58	0.61	0.79	0.73
Metals	0.57	0.55	0.38	0.39	0.37	0.58	0.60
Intraregional transfer multiplier							
Food and beverages	2.31	2.36	2.40	2.47	2.54	2.66	2.70
Rubber and plastics	1.58	1.95	2.02	2.20	2.27	2.49	2.59
Wood	1.91	2.16	2.21	2.25	2.34	2.53	2.54
Interregional spillover multiplier							
Electricals	2.14	2.17	2.04	2.01	1.89	1.82	1.78
Metals	1.87	1.91	1.86	1.80	1.72	1.59	1.57
Transport equipment	1.72	1.96	1.92	1.75	1.68	1.59	1.57
Interregional feedback multiplier							
Electricals	1.34	1.57	1.51	1.44	1.41	1.25	1.23
Metals	1.20	1.28	1.24	1.23	1.20	1.17	1.16
Transport equipment	1.14	1.27	1.24	1.23	1.20	1.16	1.14
Intraregional effect on gross output (\$ million)							
Food and beverages	9,488.03	29,232.16	45,460.52	55,925.15	52,839.77	51,471.10	59,752.65
Public administration	5,316.06	15,379.60	23,503.64	34,409.14	31,189.73	55,466.51	57,153.02
Construction	11,079.91	15,748.29	25,500.97	38,706.53	41,136.85	51,744.13	41,304.35
Interregional effect on gross output (\$ million)							
Electricals	26,067.70	25,208.37	25,522.03	27,861.54	33,539.21	48,276.96	47,161.83
Refined fuels	2,611.62	5,407.66	9,833.59	20,065.15	6,233.56	20,692.66	17,848.32
Rubber and plastics	2,910.88	5,748.55	7,303.61	9,034.45	7,224.59	13,342.03	17,202.68
Feedback effect on gross output (\$ million)							
Electricals	12,741.89	19,480.58	20,687.34	23,514.46	22,896.52	14,996.54	13,886.77
Refined fuels	948.62	3,141.78	5,638.90	8,891.28	3,518.54	8,404.61	7,408.40
Mining	2,311.66	11,363.19	11,607.51	13,954.10	6,453.05	7,403.31	5,939.14
Directly absorbed value-added exports (DAVAX) (\$ million)							
Electricals	9,863.19	13,044.62	14,329.19	14,316.06	19,120.43	23,980.33	25,292.22
Refined fuels	944.18	5,243.42	6,921.77	12,976.05	5,897.37	10,260.64	9,599.71
Mining	4,027.63	7,326.97	4,690.57	6,524.77	3,842.30	10,776.61	9,269.23
Reflection (REF) (\$ million)							
Refined fuels	6.49	18.40	42.28	120.45	31.27	242.33	165.96
Electricals	92.81	133.92	121.97	198.17	225.16	129.44	132.72
Mining	20.11	127.19	253.46	306.22	113.70	100.06	97.78

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Reexports (REX) (\$ million)							
Electricals	6,292.50	9,152.27	10,825.44	11,088.99	12,341.18	14,587.49	14,136.83
Refined fuels	555.06	2,147.99	4,163.49	7,210.43	2,512.55	7,464.55	6,653.41
Mining	2,142.33	10,680.06	9,717.24	11,074.28	4,322.62	5,354.70	4,958.91
Foreign value added (FVA) (\$ million)							
Electricals	37,570.33	46,823.85	41,848.66	42,831.43	42,319.57	41,192.93	38,207.40
Refined fuels	839.27	3,551.63	4,707.92	7,594.28	2,554.35	5,702.05	5,257.29
Chemicals	1,461.36	5,908.77	5,529.20	5,750.17	4,709.25	5,093.01	4,729.20
Pure double-counting (PDC) (\$ million)							
Electricals	999.46	2,116.93	1,678.28	1,048.08	1,290.72	450.10	403.07
Metals	13.63	36.54	28.14	27.97	18.47	43.01	34.60
Chemicals	13.67	78.20	63.99	91.14	36.12	41.74	33.88
Trade-based GVC participation rate							
Electricals	0.82	0.82	0.79	0.79	0.75	0.70	0.68
Transport activities, NEC	0.54	0.49	0.49	0.47	0.45	0.61	0.65
Metals	0.73	0.76	0.66	0.68	0.61	0.66	0.63
Production-based GVC participation rate							
Mining	0.70	0.79	0.71	0.81	0.52	0.76	0.80
Electricals	0.65	0.58	0.63	0.58	0.61	0.79	0.73
Metals	0.57	0.55	0.38	0.39	0.37	0.58	0.60
Trade-based backward GVC participation rate							
Transport equipment	0.53	0.65	0.59	0.58	0.52	0.55	0.52
Electricals	0.70	0.69	0.63	0.63	0.58	0.52	0.49
Rubber and plastics	0.42	0.56	0.50	0.50	0.45	0.46	0.45
Trade-based forward GVC participation rate							
Transport activities, NEC	0.14	0.14	0.17	0.18	0.18	0.33	0.40
Water transport	0.11	0.16	0.05	0.11	0.14	0.28	0.39
Business activities, NEC	0.22	0.26	0.24	0.29	0.30	0.25	0.33
Traditional revealed comparative advantage							
Refined fuels	0.93	1.40	1.80	2.41	1.40	2.87	2.98
Electricals	3.20	2.57	2.34	2.29	3.04	2.76	2.90
Rubber and plastics	1.78	1.57	2.14	2.01	1.80	1.36	1.73
New revealed comparative advantage							
Refined fuels	2.09	1.90	2.57	3.06	2.26	3.31	3.48
Retail trade	3.59	1.43	3.14	2.25	2.35	2.43	2.68
Electricals	2.36	2.59	2.15	1.93	2.54	1.85	1.99
Backward production length							
Rubber and plastics	2.57	3.28	3.31	3.56	3.46	3.63	3.74
Transport equipment	2.87	3.31	3.35	3.40	3.33	3.49	3.55
Metals	2.96	3.27	3.31	3.41	3.33	3.31	3.30
Forward production length							
Mining	3.52	3.70	3.89	4.03	3.82	4.13	4.14
Chemicals	3.44	3.39	3.54	3.82	3.18	3.79	3.80
Rubber and plastics	2.90	3.35	3.08	3.54	3.54	3.53	3.80
Backward production length of GVC segment							
Real estate	4.51	4.58	4.64	4.73	4.72	4.90	5.04
Finance	5.19	4.59	4.73	4.74	4.76	4.90	5.03
Food and beverages	4.36	4.45	4.56	4.58	4.64	4.73	4.82
Forward production length of GVC segment							
Health and social work	3.93	5.78	5.97	6.56	6.35	5.73	5.99
Telecommunications	4.29	4.00	4.88	4.21	4.31	5.40	5.77
Finance	5.53	4.83	4.97	5.61	5.65	5.61	5.73
Backward agglomeration index							
Leather	-	0.01	0.08	0.78	0.97	1.61	1.72
Rubber and plastics	-	0.63	0.65	0.59	0.82	1.97	1.61
Wood	-	0.02	0.40	0.01	0.03	0.67	1.23
Forward agglomeration index							
Transport equipment	-	1.14	0.80	1.07	1.07	1.64	1.54
Leather	-	0.01	0.10	0.88	1.10	1.45	1.48
Public administration	-	1.02	0.97	1.02	1.02	1.03	1.02

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).

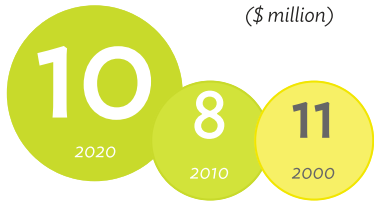
Malaysia

Southeast Asia and the Pacific

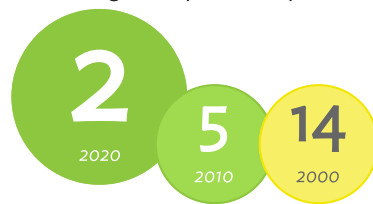
The four select sectors are chosen based on their gross outputs in the economy as of 2019.

Economy Ranking out of 25 Economies

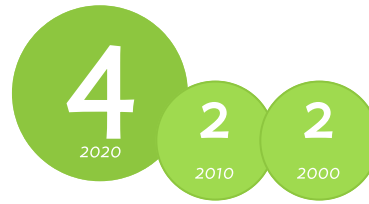
Value-Added at Basic Prices
(\$ million)



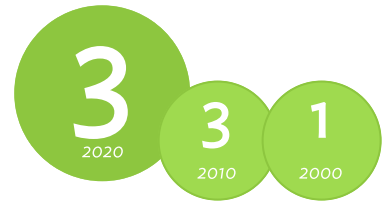
Average Output Multiplier



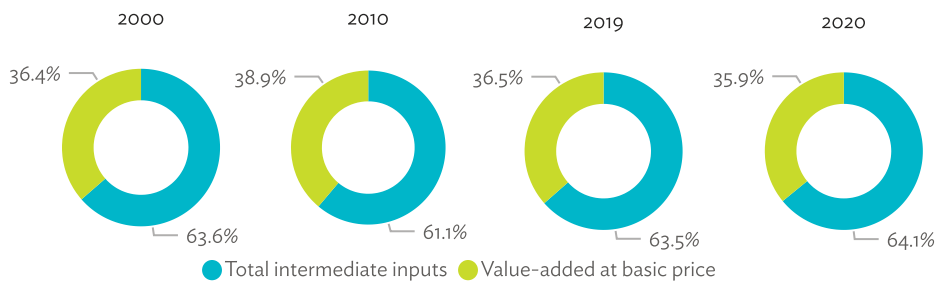
Trade Openness



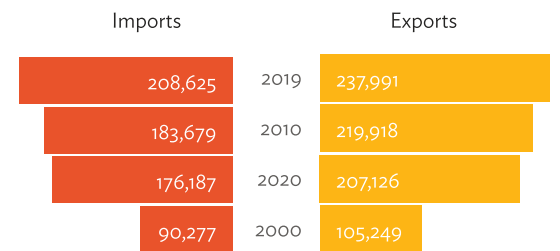
Trade-Based GVC Participation



Share of Intermediate Consumption and Gross Value-Added in Output

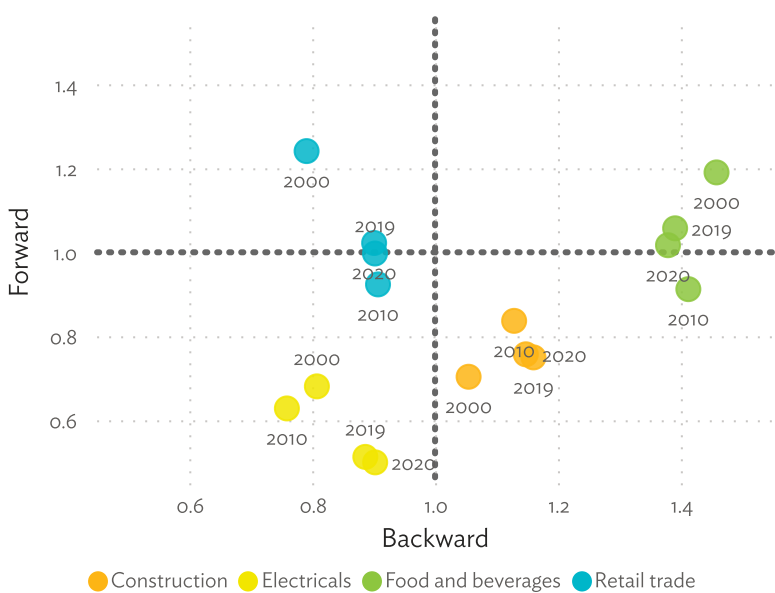


Imports and Exports, 2019-2020
(\$ million)

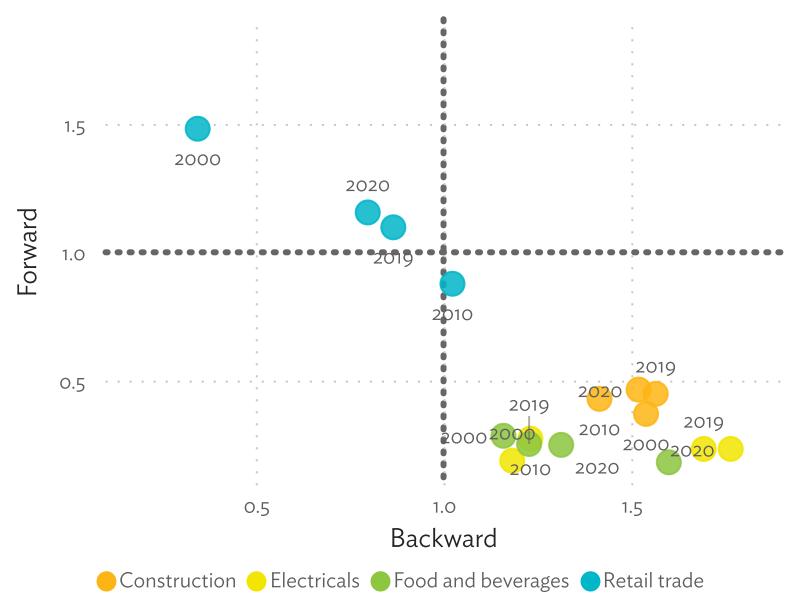


Domestic Linkages

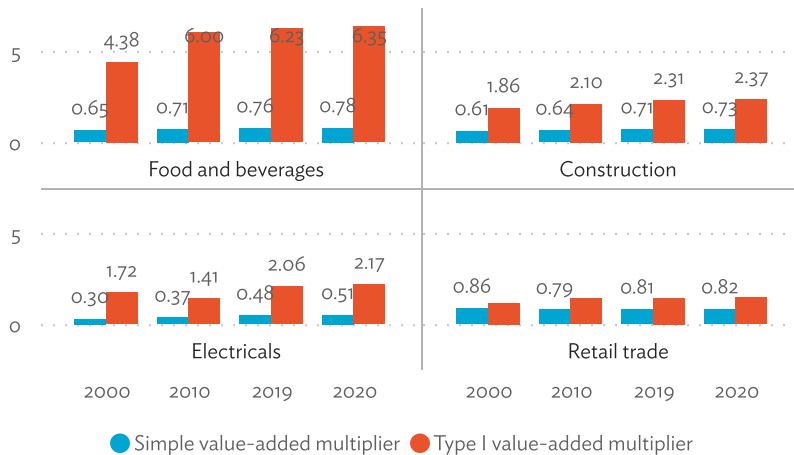
Normalized Linkages



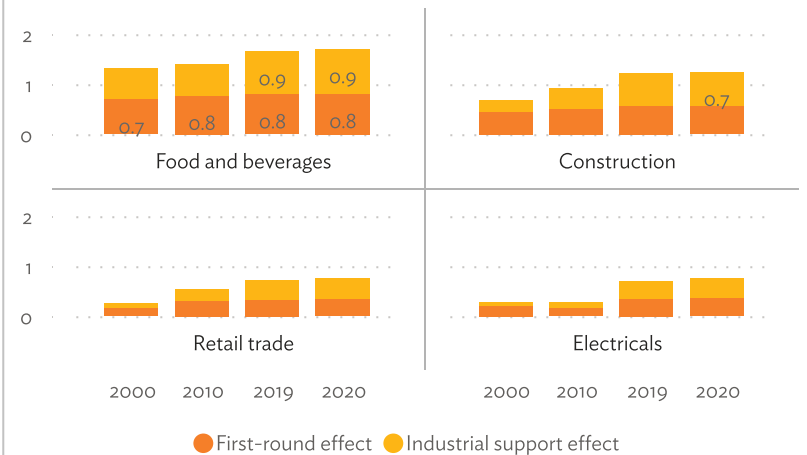
Net Linkages



Value-Added Multipliers

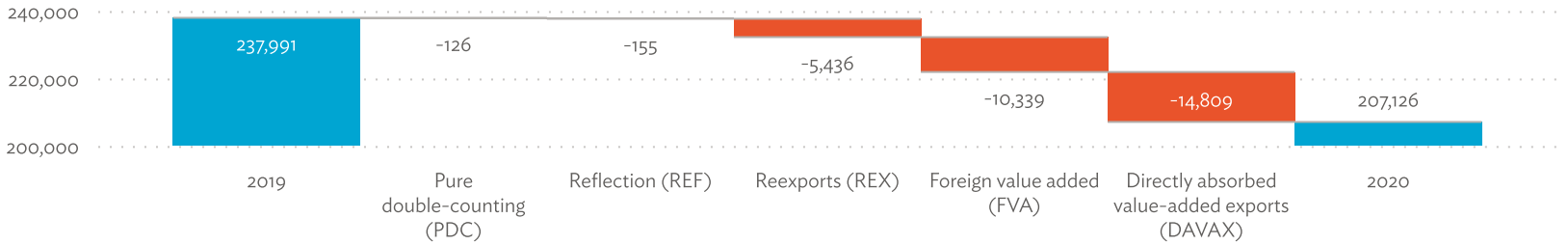


Production-Induced Effect

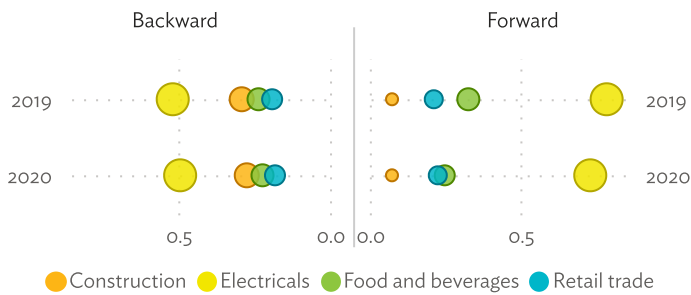


International Linkages

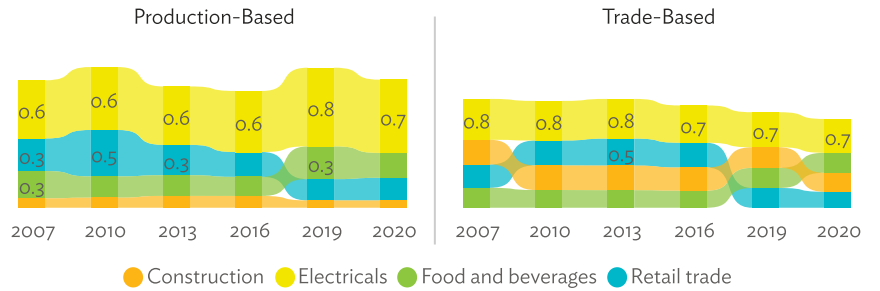
Change in Exports, by Value-Added Components, 2019-2020
(\$ million)



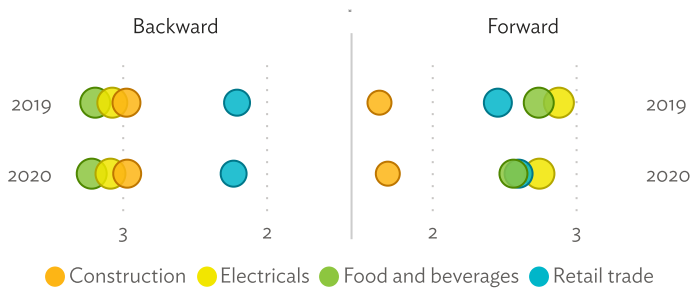
Import Multipliers



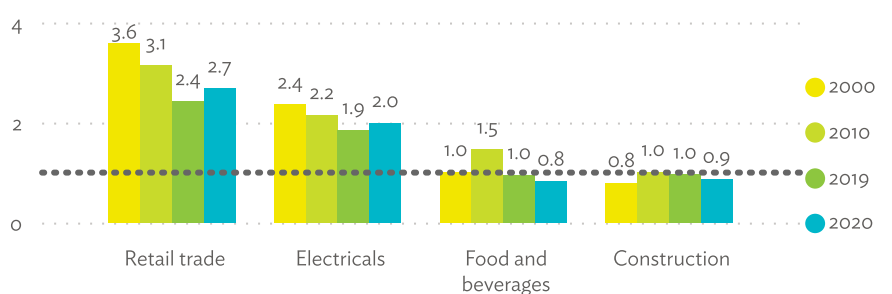
GVC Participation Rates



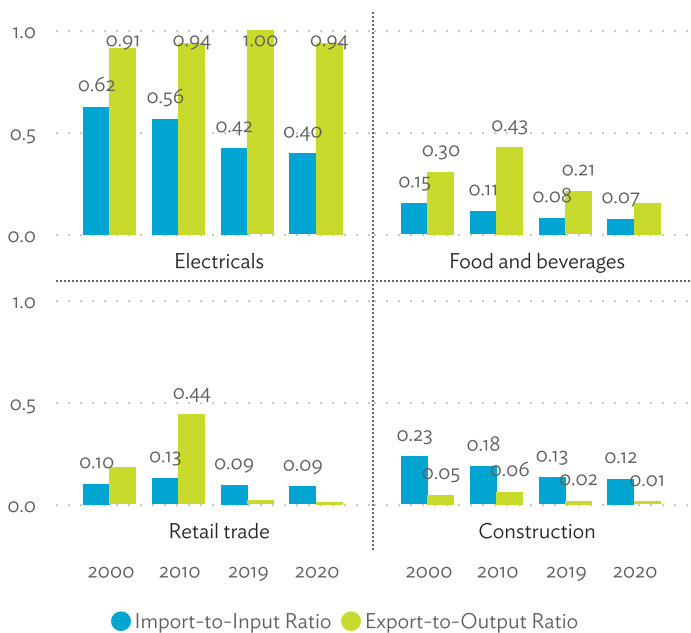
Average Production Length



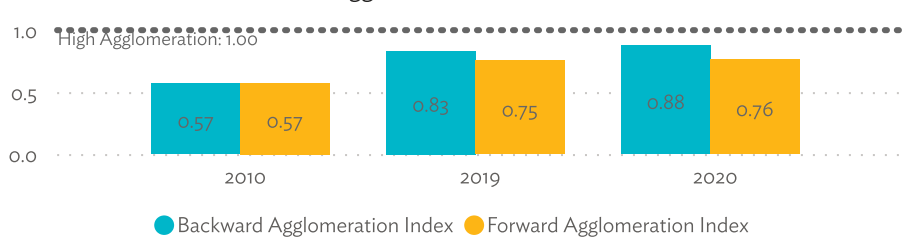
New Revealed Comparative Advantage



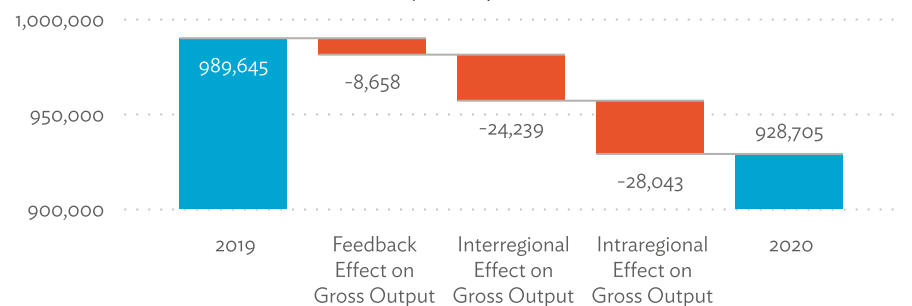
Trade Orientation



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.online/> (accessed July 2021).