

Economic Aggregates (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price	1,480	2,771	2,633	3,420	3,717	4,475	3,308
Gross output	3,401	6,074	5,314	7,131	7,146	8,498	6,419
Total intermediate inputs	1,866	3,158	2,535	3,480	3,024	3,669	2,719
Taxes less subsidies on products	56	146	146	231	405	353	392
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	792	2,043	1,677	1,850	1,985	1,710	1,703
Final consumption expenditure by NPISHs	0	0	57	139	154	169	153
Government final consumption expenditure	316	767	459	789	923	1,063	893
Gross fixed capital formation	17	263	191	651	379	103	373
Changes in inventories	1	-25	34	-25	-60	272	34
Total final demand	1,126	3,047	2,418	3,404	3,381	3,317	3,156
Exports	640	844	1,160	1,425	1,724	2,645	1,233
Imports	1,053	1,868	1,532	2,257	2,018	3,212	1,969

Economic Aggregates, Top 3 Sectors (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price							
Agriculture	244	362	290	426	419	651	432
Public administration	86	221	157	192	330	400	308
Finance	83	229	299	364	318	383	289
Gross output							
Agriculture	538	617	481	707	679	1,144	696
Food and beverages	150	600	578	764	686	831	605
Hotels and restaurants	277	479	398	582	557	653	510
Total intermediate inputs							
Food and beverages	112	425	395	525	443	542	385
Hotels and restaurants	212	269	215	313	275	299	248
Air transport	197	403	243	363	215	243	244
Total final demand							
Public administration	125	333	234	296	447	490	375
Education	104	274	160	200	351	346	340
Hotels and restaurants	88	140	39	151	80	209	331
Exports							
Food and beverages	77	96	153	225	228	405	283
Utilities	1	0	0	0	2	242	221
Air transport	2	175	217	262	246	383	94
Imports							
Transport equipment	185	387	325	513	479	875	523
Refined fuels	212	452	392	608	437	522	346
Food and beverages	82	242	151	217	227	363	216

Domestic Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
First-round effect							
Food and beverages	0.65	0.55	0.55	0.54	0.50	0.53	0.54
Wood	0.69	0.56	0.54	0.55	0.51	0.52	0.53
Minerals, NEC	0.56	0.53	0.53	0.52	0.48	0.50	0.52
Industrial support effect							
Manufacturing, NEC	0.41	0.32	0.28	0.27	0.20	0.26	0.26
Minerals, NEC	0.49	0.25	0.24	0.22	0.24	0.24	0.25
Construction	0.52	0.27	0.20	0.19	0.21	0.30	0.24
Production-induced effect							
Minerals, NEC	1.05	0.78	0.77	0.74	0.72	0.74	0.77
Food and beverages	1.29	0.84	0.79	0.77	0.68	0.75	0.76
Wood	1.38	0.84	0.78	0.79	0.71	0.75	0.76

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Simple value-added multiplier							
Real estate	0.97	0.88	0.92	0.91	0.91	0.92	0.92
Public administration	0.92	0.83	0.84	0.82	0.90	0.86	0.91
Retail trade	0.91	0.82	0.85	0.83	0.89	0.88	0.91
Type I value-added multiplier							
Food and beverages	3.27	2.43	2.37	2.34	2.15	2.25	2.26
Wood	3.34	2.35	2.31	2.29	2.13	2.14	2.15
Minerals, NEC	2.64	1.75	2.08	2.02	1.87	2.08	2.11
Direct backward linkage							
Food and beverages	0.65	0.55	0.55	0.54	0.50	0.53	0.54
Wood	0.69	0.56	0.54	0.55	0.51	0.52	0.53
Minerals, NEC	0.56	0.53	0.53	0.52	0.48	0.50	0.52
Complete hypothetical extraction (backward)							
Minerals, NEC	1.95	1.67	1.67	1.64	1.65	1.67	1.71
Food and beverages	2.01	1.76	1.72	1.70	1.62	1.69	1.70
Construction	1.91	1.56	1.58	1.57	1.64	1.26	1.70
Partial hypothetical extraction (backward)							
Minerals, NEC	1.00	0.73	0.72	0.69	0.69	0.71	0.75
Food and beverages	1.13	0.81	0.76	0.74	0.66	0.73	0.74
Construction	0.95	0.65	0.60	0.58	0.66	0.54	0.71
Total backward linkage							
Minerals, NEC	2.05	1.78	1.77	1.74	1.72	1.74	1.77
Food and beverages	2.29	1.84	1.79	1.77	1.68	1.75	1.76
Wood	2.38	1.84	1.78	1.79	1.71	1.75	1.76
Direct forward linkage							
Minerals, NEC	0.18	0.93	0.92	0.91	0.85	0.91	0.89
Rubber and plastics	0.23	0.88	0.87	0.83	0.78	0.84	0.83
Personal services, NEC	0.87	0.28	0.19	0.22	0.87	0.62	0.75
Complete hypothetical extraction (forward)							
Minerals, NEC	1.25	2.23	2.13	2.11	2.00	2.23	2.08
Personal services, NEC	2.39	1.36	1.21	1.25	2.10	1.80	2.00
Chemicals	1.31	1.93	1.94	1.90	1.98	1.86	1.96
Partial hypothetical extraction (forward)							
Minerals, NEC	0.30	1.30	1.18	1.17	1.05	1.27	1.12
Personal services, NEC	1.50	0.37	0.22	0.26	1.11	0.82	1.05
Chemicals	0.32	0.97	1.00	0.96	1.04	0.99	1.04
Total forward linkage							
Rubber and plastics	1.41	2.43	2.32	2.24	2.08	2.40	2.20
Minerals, NEC	1.31	2.38	2.26	2.24	2.09	2.32	2.16
Chemicals	1.32	2.02	2.07	2.02	2.09	2.13	2.13
Normalized backward linkage							
Minerals, NEC	1.16	1.18	1.22	1.21	1.28	1.26	1.25
Food and beverages	1.30	1.22	1.24	1.23	1.25	1.27	1.25
Wood	1.35	1.22	1.23	1.25	1.27	1.27	1.25
Normalized forward linkage							
Rubber and plastics	0.82	1.48	1.54	1.49	1.42	1.62	1.49
Minerals, NEC	0.76	1.45	1.50	1.49	1.42	1.56	1.46
Chemicals	0.77	1.23	1.37	1.34	1.43	1.43	1.44
Net backward linkage							
Construction	1.34	1.54	1.58	1.56	1.63	0.93	1.70
Food and beverages	1.22	1.48	1.54	1.51	1.44	1.48	1.53
Textiles	1.58	0.79	0.97	0.97	0.95	1.38	1.38
Net forward linkage							
Telecommunications	1.94	1.35	1.35	1.38	1.30	1.30	1.46
Transport activities, NEC	1.25	0.81	0.70	0.67	1.07	1.04	1.37
Wholesale trade	1.17	1.10	1.01	1.01	1.08	1.29	1.29

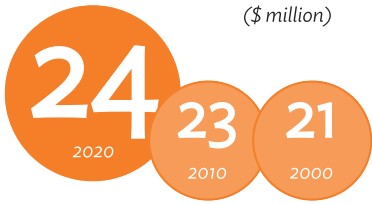
Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Self-sufficiency ratio							
Utilities	0.99	1.00	1.00	1.00	1.01	83.48	5.09
Textiles	2.32	0.88	0.94	0.93	0.97	1.81	2.26
Inland transport	1.08	1.02	1.15	1.11	1.21	3.39	2.09
Import-to-input ratio							
Air transport	0.08	0.34	0.46	0.45	0.42	0.41	0.29
Water transport	0.18	0.27	0.37	0.36	0.34	0.39	0.28
Inland transport	0.03	0.21	0.29	0.29	0.34	0.37	0.27
Export-to-output ratio							
Electricals	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Transport equipment	0.83	0.02	0.11	0.03	0.05	0.99	1.00
Textiles	0.80	0.10	0.18	0.16	0.23	0.99	1.00
Domestic inputs share to output							
Food and beverages	0.65	0.55	0.55	0.54	0.50	0.53	0.54
Wood	0.69	0.56	0.54	0.55	0.51	0.52	0.53
Minerals, NEC	0.56	0.53	0.53	0.52	0.48	0.50	0.52
Foreign inputs share to output							
Air transport	0.08	0.34	0.46	0.45	0.42	0.41	0.29
Water transport	0.18	0.27	0.37	0.36	0.34	0.39	0.28
Inland transport	0.03	0.21	0.29	0.29	0.34	0.37	0.27
Backward import multipliers							
Rubber and plastics	0.49	0.54	0.50	0.53	0.49	0.45	0.36
Air transport	0.18	0.45	0.52	0.51	0.45	0.45	0.34
Water transport	0.22	0.38	0.43	0.43	0.37	0.42	0.32
Forward import multipliers							
Metals	0.26	0.07	0.10	0.08	0.12	0.62	0.72
Water transport	0.46	0.03	0.16	0.16	0.16	0.88	0.69
Wood	0.52	0.21	0.33	0.27	0.35	0.43	0.53
Intraregional transfer multiplier							
Minerals, NEC	2.05	1.78	1.77	1.74	1.72	1.74	1.77
Food and beverages	2.29	1.84	1.79	1.77	1.68	1.75	1.76
Wood	2.38	1.84	1.78	1.79	1.71	1.75	1.76
Interregional spillover multiplier							
Rubber and plastics	1.76	1.81	1.82	1.89	1.87	1.76	1.59
Air transport	1.15	1.64	1.89	1.89	1.85	1.72	1.53
Water transport	1.38	1.51	1.70	1.69	1.68	1.72	1.52
Interregional feedback multiplier							
Water transport	1.10	1.17	1.24	1.27	1.24	1.25	1.18
Air transport	1.03	1.21	1.27	1.31	1.28	1.26	1.17
Inland transport	1.01	1.13	1.16	1.19	1.21	1.20	1.14
Intraregional effect on gross output (\$ million)							
Agriculture	423.91	566.72	416.33	617.23	574.18	985.53	592.96
Food and beverages	82.10	515.46	467.14	628.03	544.96	677.21	492.16
Hotels and restaurants	239.23	352.43	254.37	407.41	346.29	433.91	448.21
Interregional effect on gross output (\$ million)							
Food and beverages	61.66	75.22	96.62	116.97	119.82	128.05	98.04
Air transport	36.89	124.91	158.31	165.20	169.98	255.93	92.18
Agriculture	104.24	43.98	56.17	77.13	89.32	134.62	90.41
Feedback effect on gross output (\$ million)							
Metals	3.24	1.46	1.89	2.23	3.25	19.00	16.55
Air transport	12.03	21.01	27.08	29.64	32.50	35.89	16.45
Water transport	3.45	0.42	1.81	2.86	2.63	20.24	15.56
Directly absorbed value-added exports (DAVAX) (\$ million)							
Food and beverages	54.66	58.43	98.28	143.89	150.08	285.47	207.89
Utilities	0.35	0.15	0.14	0.19	1.21	172.43	153.80
Textiles	119.39	9.71	16.66	19.65	26.20	83.21	67.38
Reflection (REF) (\$ million)							
Metals	0.02	0.00	0.00	0.00	0.00	0.01	0.01
Hotels and restaurants	0.00	0.03	0.02	0.03	0.04	0.03	0.01
Water transport	0.00	0.00	0.00	0.00	0.00	0.01	0.01

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Reexports (REX) (\$ million)							
Food and beverages	8.66	9.38	16.36	21.08	23.88	32.04	25.66
Water transport	3.71	0.15	1.36	2.15	2.24	17.35	15.85
Metals	2.34	0.61	0.84	0.97	1.36	14.34	11.99
Foreign value added (FVA) (\$ million)							
Utilities	0.07	0.12	0.16	0.19	0.86	63.91	60.17
Food and beverages	13.41	27.99	38.35	60.39	53.75	87.80	49.60
Air transport	0.33	79.31	112.07	134.86	110.62	171.50	32.20
Pure double-counting (PDC) (\$ million)							
Utilities	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Food and beverages	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Air transport	0.00	0.00	0.00	0.00	0.01	0.02	0.00
Trade-based GVC participation rate							
Water transport	0.51	0.41	0.55	0.59	0.51	0.73	0.66
Mining	0.44	0.85	0.40	0.51	0.46	0.44	0.56
Metals	0.52	0.56	0.49	0.51	0.47	0.49	0.50
Production-based GVC participation rate							
Metals	0.26	0.07	0.10	0.08	0.12	0.62	0.72
Water transport	0.46	0.03	0.16	0.16	0.16	0.88	0.69
Wood	0.52	0.21	0.33	0.27	0.35	0.43	0.53
Trade-based backward GVC participation rate							
Rubber and plastics	0.49	0.54	0.50	0.53	0.49	0.45	0.36
Air transport	0.18	0.45	0.52	0.51	0.45	0.45	0.34
Water transport	0.22	0.38	0.43	0.43	0.37	0.42	0.32
Trade-based forward GVC participation rate							
Water transport	0.29	0.02	0.13	0.16	0.14	0.31	0.34
Mining	0.28	0.05	0.06	0.12	0.09	0.13	0.32
Transport activities, NEC	0.31	0.18	0.19	0.17	0.21	0.35	0.31
Traditional revealed comparative advantage							
Utilities	0.15	0.06	0.06	0.07	0.24	15.15	27.49
Health and social work	0.32	4.63	2.98	2.84	3.90	18.82	9.19
Education	0.06	3.28	2.31	2.12	3.41	15.72	7.87
New revealed comparative advantage							
Air transport	3.44	10.44	9.85	9.96	10.78	9.08	11.14
Health and social work	1.01	2.59	2.29	2.28	3.01	11.81	5.71
Wood	2.13	1.42	2.01	1.84	1.74	3.14	5.59
Backward production length							
Rubber and plastics	3.03	3.03	2.79	2.89	2.69	2.73	2.61
Metals	2.87	3.09	2.91	3.03	2.82	2.49	2.51
Chemicals	2.72	2.76	2.58	2.64	2.40	2.34	2.31
Forward production length							
Metals	1.82	2.26	2.11	2.04	2.12	2.82	3.33
Water transport	2.81	1.30	1.60	1.55	1.56	3.46	2.97
Wood	2.74	2.22	2.42	2.21	2.29	2.32	2.57
Backward production length of GVC segment							
Manufacturing, NEC	4.02	4.58	4.57	4.68	4.61	4.36	4.48
Business activities, NEC	4.94	4.15	4.15	4.25	4.54	4.25	4.41
Metals	3.89	4.38	4.43	4.57	4.53	4.18	4.41
Forward production length of GVC segment							
Telecommunications	5.46	4.34	4.48	4.43	4.13	4.63	4.84
Real estate	5.41	4.73	4.68	4.71	4.58	4.53	4.77
Retail trade	4.33	4.03	4.10	4.06	3.75	4.59	4.76
Backward agglomeration index							
Rubber and plastics	-	0.66	1.05	1.17	1.20	2.52	2.58
Leather	-	1.91	1.72	1.67	1.59	1.87	2.33
Machinery, NEC	-	1.34	1.30	1.26	1.18	1.36	1.79
Forward agglomeration index							
Mining	-	1.50	0.46	1.01	0.43	2.03	2.00
Leather	-	2.26	1.95	1.91	1.77	1.62	1.97
Machinery, NEC	-	1.57	1.38	1.43	1.33	1.05	1.47

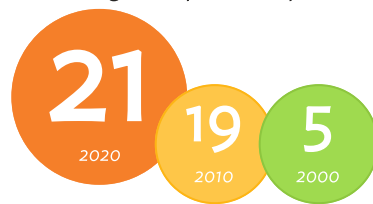
CIF = cost, insurance, and freight; FOB = free on board; GVC = global value chain; NEC = not elsewhere classified; NPISHs = nonprofit institutions serving households.
Source: Calculations using the Asian Development Bank Multiregional Input-Output Table. <https://mrio.adb.org/> (accessed July 2021).

Economy Ranking out of 25 Economies

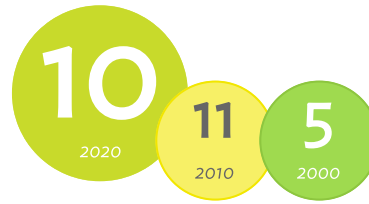
Value-Added at Basic Prices
(\$ million)



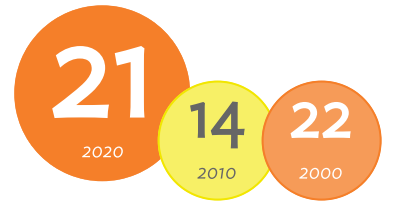
Average Output Multiplier



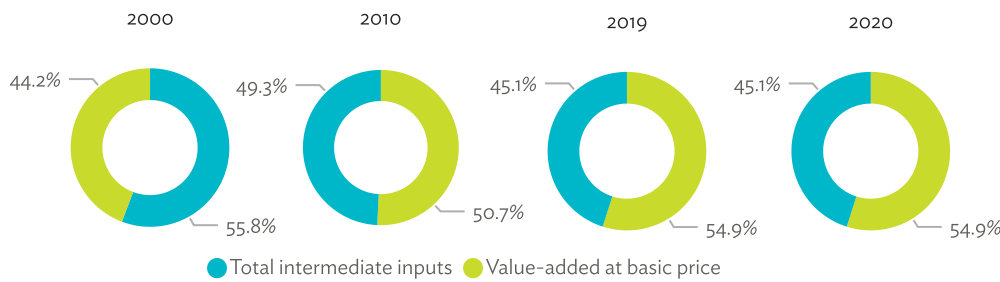
Trade Openness



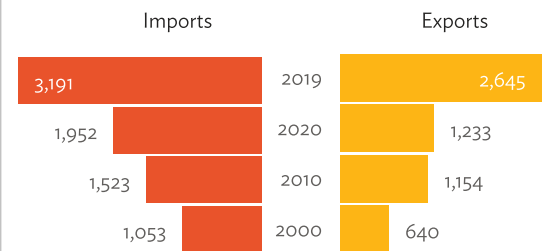
Trade-Based GVC Participation



Share of Intermediate Consumption and Gross Value-Added in Output

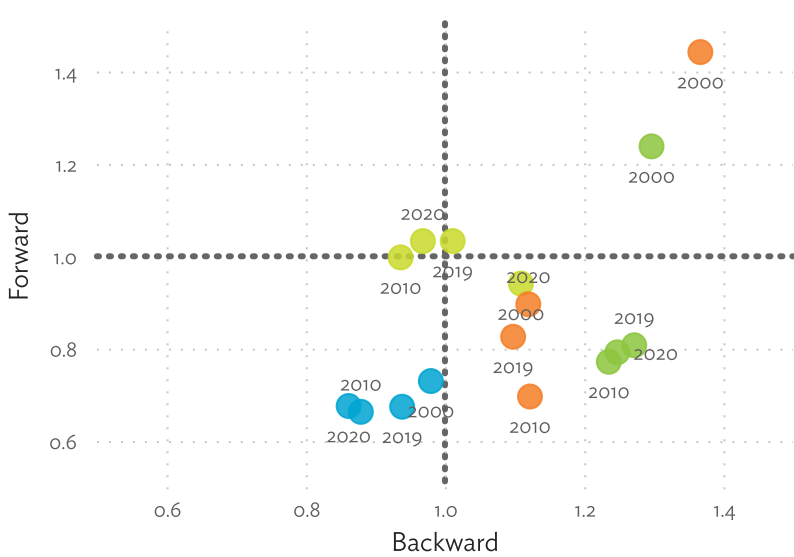


Imports and Exports, 2019-2020
(\$ million)

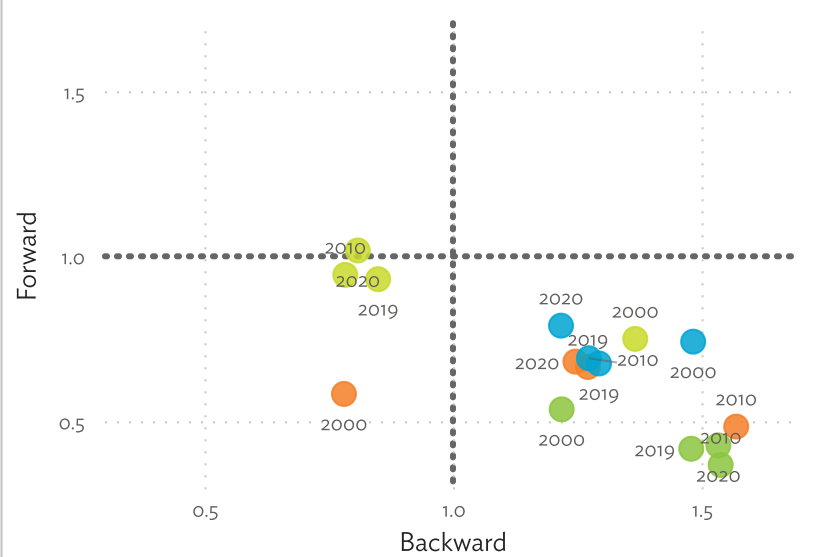


Domestic Linkages

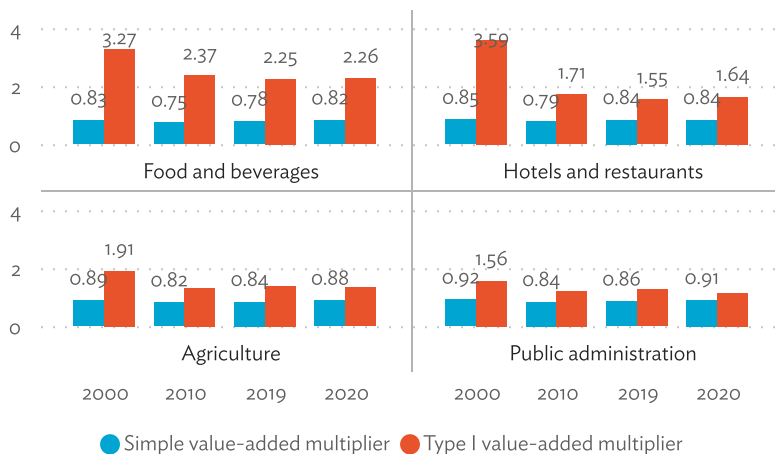
Normalized Linkages



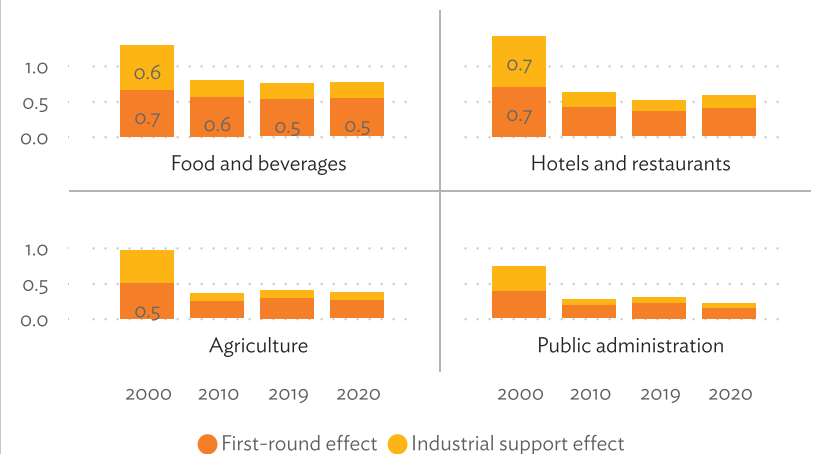
Net Linkages



Value-Added Multipliers

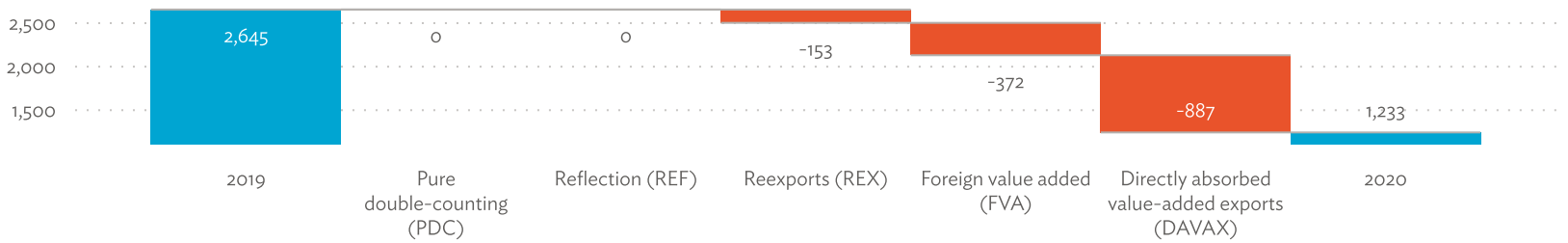


Production-Induced Effect

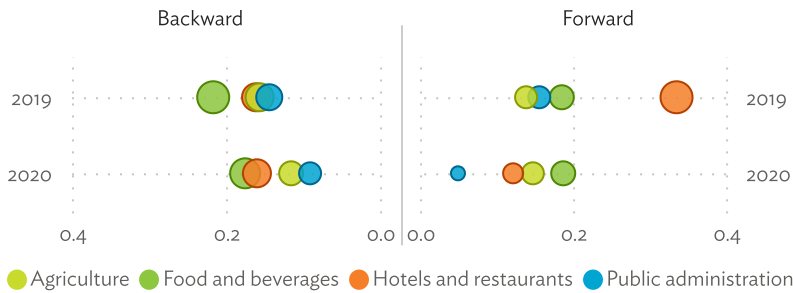


International Linkages

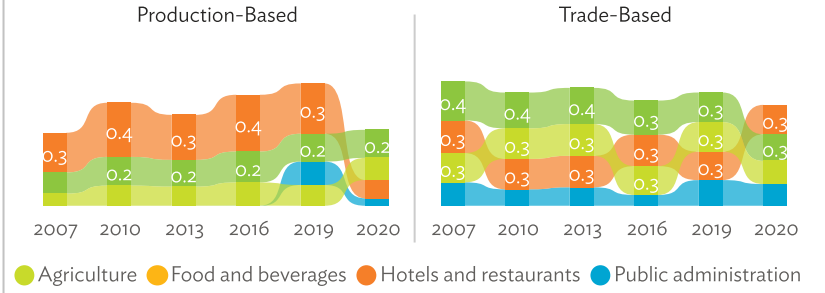
Change in Exports, by Value-Added Components, 2019-2020
(\$ million)



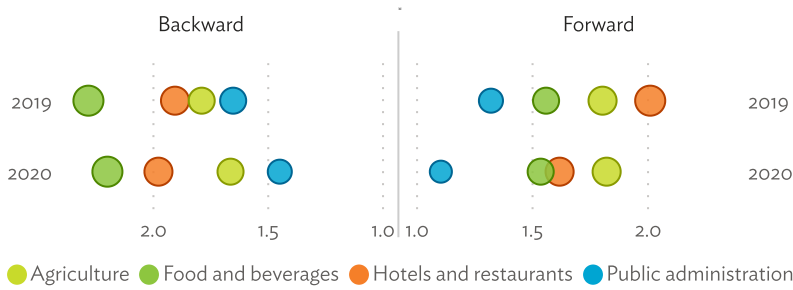
Import Multipliers



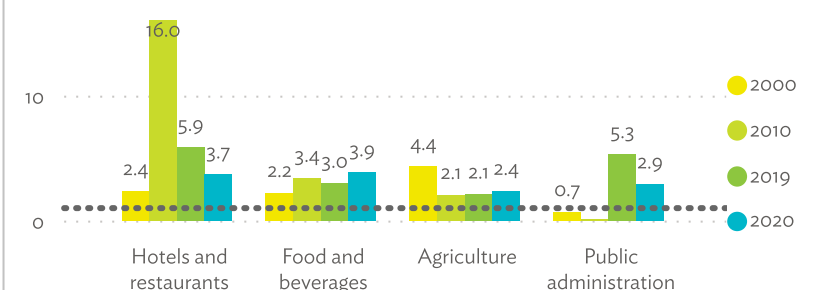
GVC Participation Rates



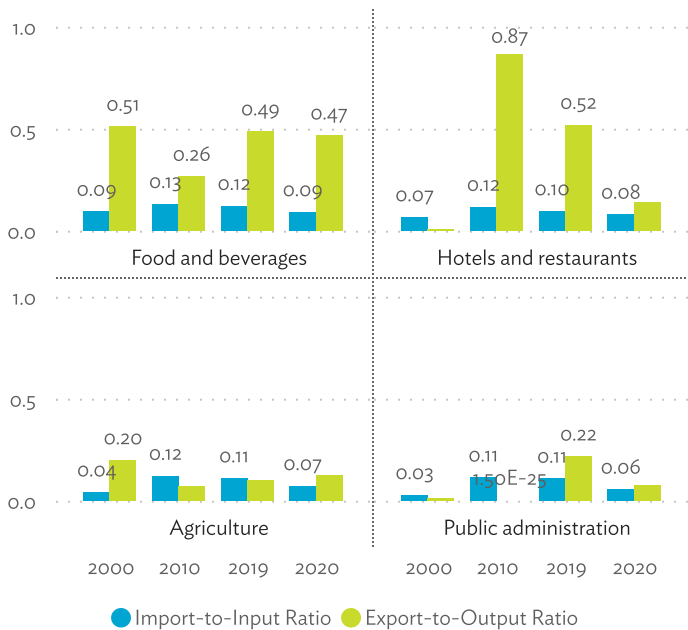
Average Production Length



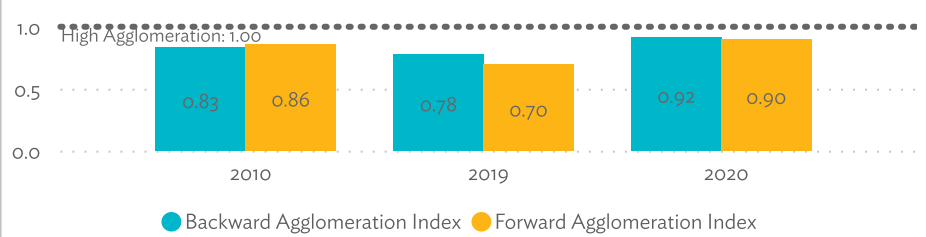
New Revealed Comparative Advantage



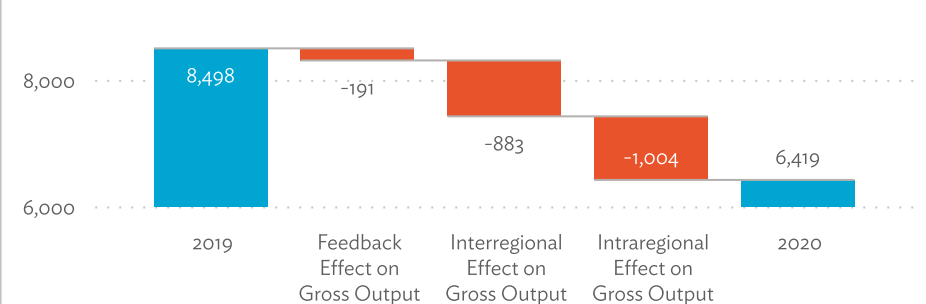
Trade Orientation



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).