

Economic Aggregates (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price	1,275	3,290	4,219	6,315	5,412	7,691	6,900
Gross output	3,382	8,303	10,277	14,821	12,582	19,327	17,285
Total intermediate inputs	2,068	4,801	5,879	8,273	6,965	11,194	10,055
Taxes less subsidies on products	39	212	179	233	205	442	330
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	632	2,225	2,449	3,855	2,745	4,225	3,827
Final consumption expenditure by NPISHs	33	80	60	55	43	82	70
Government final consumption expenditure	242	555	748	1,087	895	1,293	1,071
Gross fixed capital formation	171	596	1,056	1,615	1,627	1,761	1,606
Changes in inventories	22	53	-19	222	-92	205	202
Total final demand	1,099	3,509	4,293	6,834	5,219	7,567	6,774
Exports	509	1,399	2,289	2,801	2,245	3,126	2,010
Imports	594	2,623	3,826	6,696	4,518	5,690	3,422

Economic Aggregates, Top 3 Sectors (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price							
Agriculture	467	992	817	1,142	863	997	1,007
Retail trade	143	573	592	977	916	1,239	993
Metals	117	173	550	571	447	853	860
Gross output							
Agriculture	1,198	2,547	2,503	3,795	2,862	3,219	3,250
Finance	39	782	251	348	323	2,962	2,685
Construction	197	428	830	1,687	1,686	2,639	2,017
Total intermediate inputs							
Finance	32	652	222	283	266	2,483	2,271
Agriculture	726	1,528	1,657	2,642	1,989	2,208	2,232
Construction	134	264	550	1,125	1,132	1,758	1,352
Total final demand							
Agriculture	227	827	513	1,360	976	1,404	1,274
Construction	109	313	655	1,263	1,169	1,664	1,250
Retail trade	48	416	416	775	592	1,040	768
Exports							
Metals	238	343	692	812	721	829	533
Mining	4	10	9	27	126	353	319
Agriculture	107	194	960	624	275	229	240
Imports							
Refined fuels	112	462	801	1,288	618	975	578
Machinery, NEC	79	382	253	599	549	701	426
Food and beverages	43	169	346	650	438	586	361

Domestic Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
First-round effect							
Finance	0.63	0.79	0.81	0.72	0.80	0.82	0.83
Agriculture	0.59	0.56	0.48	0.54	0.62	0.62	0.64
Food and beverages	0.76	0.62	0.49	0.48	0.57	0.55	0.59
Industrial support effect							
Finance	0.82	1.68	3.04	1.69	2.72	3.67	4.07
Agriculture	0.71	0.55	0.32	0.44	0.68	0.61	0.74
Food and beverages	0.97	0.63	0.28	0.32	0.50	0.55	0.71
Production-induced effect							
Finance	1.44	2.48	3.85	2.42	3.52	4.48	4.91
Agriculture	1.29	1.11	0.80	0.98	1.31	1.23	1.38
Food and beverages	1.73	1.25	0.77	0.80	1.07	1.11	1.31

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Simple value-added multiplier							
Education	0.89	0.85	0.84	0.87	0.90	0.91	0.94
Finance	0.65	0.75	0.60	0.67	0.86	0.89	0.92
Health and social work	0.87	0.81	0.79	0.84	0.88	0.87	0.90
Type I value-added multiplier							
Finance	3.52	4.53	5.30	3.58	4.78	5.51	5.94
Agriculture	2.36	2.21	1.96	2.22	2.62	2.59	2.73
Food and beverages	4.66	3.41	2.45	2.08	2.50	2.34	2.56
Direct backward linkage							
Finance	0.63	0.79	0.81	0.72	0.80	0.82	0.83
Agriculture	0.59	0.56	0.48	0.54	0.62	0.62	0.64
Food and beverages	0.76	0.62	0.49	0.48	0.57	0.55	0.59
Complete hypothetical extraction (backward)							
Food and beverages	2.35	2.10	1.63	1.68	1.92	1.97	2.12
Hotels and restaurants	1.94	1.74	1.57	1.55	1.68	1.78	1.97
Air transport	1.18	1.11	1.23	1.17	1.37	1.68	1.94
Partial hypothetical extraction (backward)							
Food and beverages	1.49	1.17	0.71	0.75	0.99	1.04	1.20
Hotels and restaurants	0.97	0.78	0.60	0.57	0.70	0.79	0.98
Air transport	0.18	0.11	0.23	0.17	0.38	0.68	0.95
Total backward linkage							
Finance	2.44	3.48	4.85	3.42	4.52	5.48	5.91
Agriculture	2.29	2.11	1.80	1.98	2.31	2.23	2.38
Food and beverages	2.73	2.25	1.77	1.80	2.07	2.11	2.31
Direct forward linkage							
Finance	0.55	0.71	0.82	0.79	0.87	0.86	0.88
Sale of motor vehicles	0.89	0.65	0.65	0.76	0.78	0.76	0.83
Wood	0.91	0.86	0.36	0.31	0.10	0.62	0.69
Complete hypothetical extraction (forward)							
Sale of motor vehicles	2.36	1.56	1.98	2.19	2.35	2.21	2.40
Wood	2.17	2.37	1.52	1.43	1.15	1.88	2.03
Wholesale trade	2.74	2.03	1.67	1.73	2.01	1.64	1.93
Partial hypothetical extraction (forward)							
Sale of motor vehicles	1.61	0.89	0.98	1.19	1.35	1.23	1.42
Wood	1.56	1.52	0.54	0.43	0.15	0.91	1.08
Utilities	0.72	0.52	0.55	0.48	0.84	0.87	0.97
Total forward linkage							
Finance	2.13	3.12	4.90	3.77	5.04	5.83	6.39
Sale of motor vehicles	3.17	2.32	1.99	2.20	2.36	2.25	2.45
Metals	1.64	1.56	1.97	1.68	1.60	1.97	2.15
Normalized backward linkage							
Finance	1.34	2.40	3.24	2.39	2.86	3.31	3.23
Agriculture	1.26	1.46	1.20	1.39	1.46	1.34	1.30
Food and beverages	1.49	1.55	1.18	1.26	1.31	1.27	1.26
Normalized forward linkage							
Finance	1.14	2.09	3.15	2.54	3.08	3.80	3.87
Sale of motor vehicles	1.69	1.56	1.28	1.48	1.44	1.47	1.48
Metals	0.88	1.05	1.27	1.13	0.98	1.28	1.30
Net backward linkage							
Textiles	1.63	1.63	1.58	1.61	1.81	1.74	1.92
Leather	1.42	1.87	1.57	1.59	1.71	1.72	1.90
Chemicals	0.68	1.03	0.98	1.32	1.32	1.56	1.76
Net forward linkage							
Sale of motor vehicles	0.14	0.10	1.23	1.56	1.76	1.42	1.54
Wholesale trade	1.86	1.39	1.04	1.17	1.38	1.10	1.29
Retail trade	1.89	1.34	1.06	1.08	1.18	1.15	1.24

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Self-sufficiency ratio							
Mining	0.31	0.20	0.39	0.61	1.93	1.84	2.50
Air transport	0.68	0.38	0.70	0.48	0.62	3.53	1.94
Hotels and restaurants	1.03	0.99	1.00	1.01	1.02	1.79	1.50
Import-to-input ratio							
Wood	0.18	0.64	0.33	0.58	0.35	0.41	0.30
Air transport	0.01	0.01	0.36	0.39	0.33	0.36	0.27
Manufacturing, NEC	0.15	0.50	0.29	0.40	0.34	0.35	0.25
Export-to-output ratio							
Transport equipment	0.15	0.91	0.69	0.76	0.98	1.00	1.00
Textiles	0.31	0.58	0.63	0.71	0.89	1.00	1.00
Leather	0.25	0.76	0.63	0.71	0.53	1.00	1.00
Domestic inputs share to output							
Finance	0.63	0.79	0.81	0.72	0.80	0.82	0.83
Agriculture	0.59	0.56	0.48	0.54	0.62	0.62	0.64
Food and beverages	0.76	0.62	0.49	0.48	0.57	0.55	0.59
Foreign inputs share to output							
Wood	0.18	0.64	0.33	0.58	0.35	0.41	0.30
Air transport	0.01	0.01	0.36	0.39	0.33	0.36	0.27
Manufacturing, NEC	0.15	0.50	0.29	0.40	0.34	0.35	0.25
Backward import multipliers							
Wood	0.50	0.83	0.43	0.62	0.41	0.49	0.39
Air transport	0.03	0.03	0.41	0.43	0.39	0.44	0.34
Manufacturing, NEC	0.24	0.55	0.39	0.49	0.42	0.44	0.34
Forward import multipliers							
Chemicals	0.53	0.23	0.10	0.12	0.14	0.95	0.94
Water transport	0.98	0.12	0.22	0.28	0.37	0.56	0.74
Leather	0.21	0.53	0.51	0.54	0.30	0.63	0.67
Intraregional transfer multiplier							
Finance	2.44	3.48	4.85	3.42	4.52	5.48	5.91
Agriculture	2.29	2.11	1.80	1.98	2.31	2.23	2.38
Food and beverages	2.73	2.25	1.77	1.80	2.07	2.11	2.31
Interregional spillover multiplier							
Wood	1.34	2.23	1.66	2.17	1.71	1.80	1.57
Air transport	1.02	1.03	1.71	1.84	1.67	1.75	1.56
Manufacturing, NEC	1.27	1.99	1.58	1.86	1.72	1.71	1.51
Interregional feedback multiplier							
Wood	1.09	1.37	1.16	1.29	1.15	1.15	1.11
Air transport	1.01	1.01	1.13	1.14	1.11	1.13	1.10
Manufacturing, NEC	1.06	1.21	1.10	1.16	1.14	1.13	1.09
Intraregional effect on gross output (\$ million)							
Agriculture	890.25	2,203.79	1,766.13	3,148.35	2,531.97	3,053.81	3,093.82
Finance	30.34	746.85	247.73	302.52	296.42	2,753.78	2,530.38
Construction	176.07	412.56	814.38	1,606.03	1,602.14	2,560.84	1,970.84
Interregional effect on gross output (\$ million)							
Metals	191.66	201.02	586.15	659.67	595.27	818.19	577.09
Mining	4.62	5.70	7.48	18.98	42.09	193.96	166.08
Agriculture	239.59	283.69	590.12	532.89	267.86	141.74	135.85
Feedback effect on gross output (\$ million)							
Metals	97.53	85.86	209.02	253.93	227.33	444.95	305.75
Mining	2.68	2.22	2.32	6.53	13.25	102.21	83.53
Finance	2.14	7.33	0.62	10.09	6.65	41.52	32.64
Directly absorbed value-added exports (DAVAX) (\$ million)							
Metals	102.10	126.88	384.74	382.40	421.10	349.70	239.38
Agriculture	80.42	142.62	523.48	339.67	176.57	168.43	188.79
Mining	1.36	5.16	4.71	13.86	68.86	154.22	162.95
Reflection (REF) (\$ million)							
Mining	0.01	0.01	0.00	0.01	0.02	0.36	0.27
Minerals, NEC	0.00	0.01	0.00	0.01	0.01	0.11	0.08
Metals	0.01	0.02	0.04	0.07	0.07	0.10	0.06

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Reexports (REX) (\$ million)							
Metals	87.02	55.71	128.85	153.44	179.98	333.87	222.76
Mining	1.52	1.52	1.20	4.02	12.75	69.43	68.31
Agriculture	19.22	28.36	112.40	81.61	43.01	17.65	16.52
Foreign value added (FVA) (\$ million)							
Mining	0.79	3.80	2.63	9.01	44.27	128.56	87.13
Metals	49.06	160.58	178.69	276.44	119.80	144.88	70.78
Agriculture	7.37	22.51	324.32	202.44	54.81	42.98	34.30
Pure double-counting (PDC) (\$ million)							
Mining	0.00	0.00	0.00	0.00	0.00	0.04	0.03
Metals	0.01	0.03	0.02	0.03	0.01	0.06	0.03
Minerals, NEC	0.00	0.00	0.00	0.00	0.00	0.02	0.01
Trade-based GVC participation rate							
Metals	0.57	0.63	0.44	0.53	0.42	0.58	0.55
Mining	0.63	0.51	0.45	0.48	0.45	0.56	0.49
Chemicals	0.43	0.48	0.62	0.47	0.38	0.57	0.48
Production-based GVC participation rate							
Chemicals	0.53	0.23	0.10	0.12	0.14	0.95	0.94
Water transport	0.98	0.12	0.22	0.28	0.37	0.56	0.74
Leather	0.21	0.53	0.51	0.54	0.30	0.63	0.67
Trade-based backward GVC participation rate							
Wood	0.50	0.83	0.43	0.62	0.41	0.49	0.39
Air transport	0.03	0.03	0.41	0.43	0.39	0.44	0.34
Manufacturing, NEC	0.24	0.55	0.39	0.49	0.42	0.44	0.34
Trade-based forward GVC participation rate							
Metals	0.37	0.16	0.19	0.19	0.25	0.40	0.42
Water transport	0.43	0.35	0.24	0.25	0.21	0.41	0.27
Transport activities, NEC	0.35	0.10	0.14	0.18	0.16	0.18	0.23
Traditional revealed comparative advantage							
Minerals, NEC	2.21	2.59	0.32	1.53	1.51	3.42	4.83
Metals	7.84	3.26	4.48	4.48	5.04	4.02	4.08
Agriculture	9.75	6.82	18.60	9.46	5.22	2.54	3.87
New revealed comparative advantage							
Metals	4.55	3.08	6.59	5.64	5.78	7.04	7.20
Retail trade	3.39	3.36	4.84	4.53	5.60	2.83	2.96
Minerals, NEC	2.16	2.76	0.36	1.62	1.56	2.17	2.76
Backward production length							
Finance	3.28	4.12	5.69	4.07	4.81	5.70	6.07
Air transport	1.24	1.19	2.23	2.28	2.35	2.79	2.81
Food and beverages	3.05	2.89	2.84	2.68	2.72	2.69	2.76
Forward production length							
Finance	2.64	3.22	4.92	4.07	5.24	5.99	6.52
Metals	3.52	2.84	3.31	3.28	3.40	3.74	3.43
Chemicals	3.43	1.70	1.64	1.47	1.61	3.37	3.22
Backward production length of GVC segment							
Finance	4.31	6.18	6.95	5.40	6.68	7.51	7.95
Agriculture	5.11	4.86	3.81	4.41	4.99	4.77	4.93
Metals	4.32	3.91	4.49	4.43	4.93	4.45	4.46
Forward production length of GVC segment							
Finance	4.64	5.98	8.67	6.11	8.21	8.74	9.53
Retail trade	5.53	4.51	4.17	4.22	4.42	4.66	4.93
Utilities	5.21	4.33	3.75	4.39	5.11	4.75	4.91
Backward agglomeration index							
Metals	-	0.21	0.11	0.26	0.00	0.43	1.68
Refined fuels	-	0.30	0.44	0.34	1.07	1.34	1.50
Finance	-	0.87	0.70	0.70	0.97	1.02	1.04
Forward agglomeration index							
Refined fuels	-	0.84	0.68	0.29	1.10	1.24	1.24
Agriculture	-	1.05	0.50	0.90	0.98	1.16	1.12
Finance	-	1.19	1.22	0.99	1.08	1.10	1.10

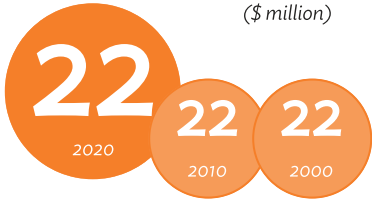
Kyrgyz Republic

South and Central Asia

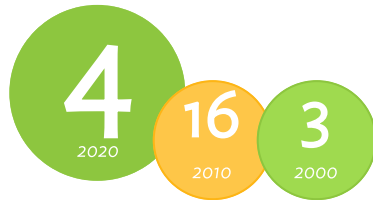
The four select sectors are chosen based on their gross outputs in the economy as of 2019.

Economy Ranking out of 25 Economies

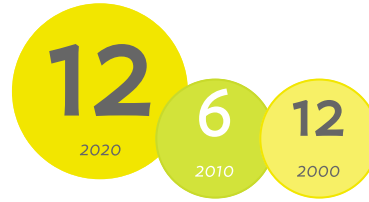
Value-Added at Basic Prices
(\$ million)



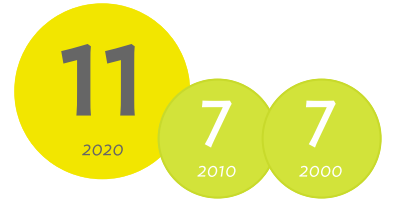
Average Output Multiplier



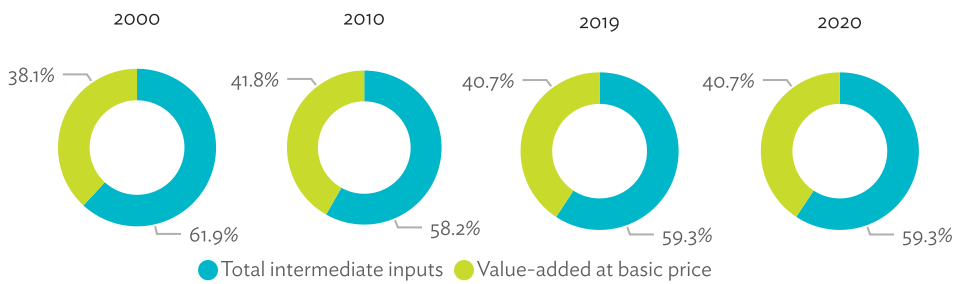
Trade Openness



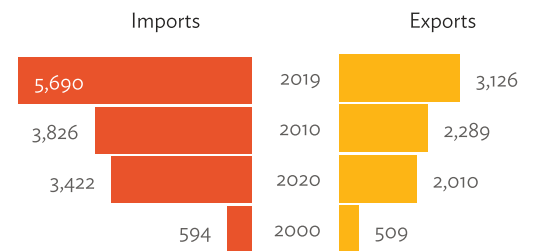
Trade-Based GVC Participation



Share of Intermediate Consumption and Gross Value-Added in Output

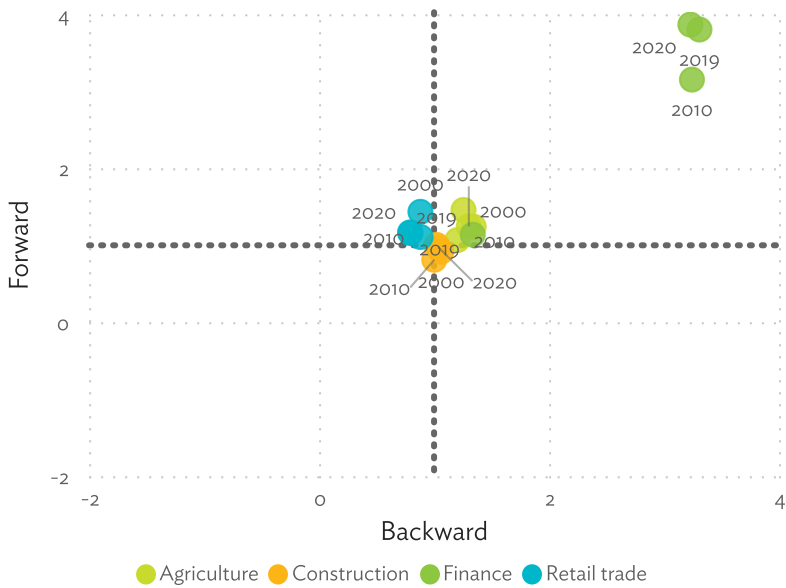


Imports and Exports, 2019-2020
(\$ million)

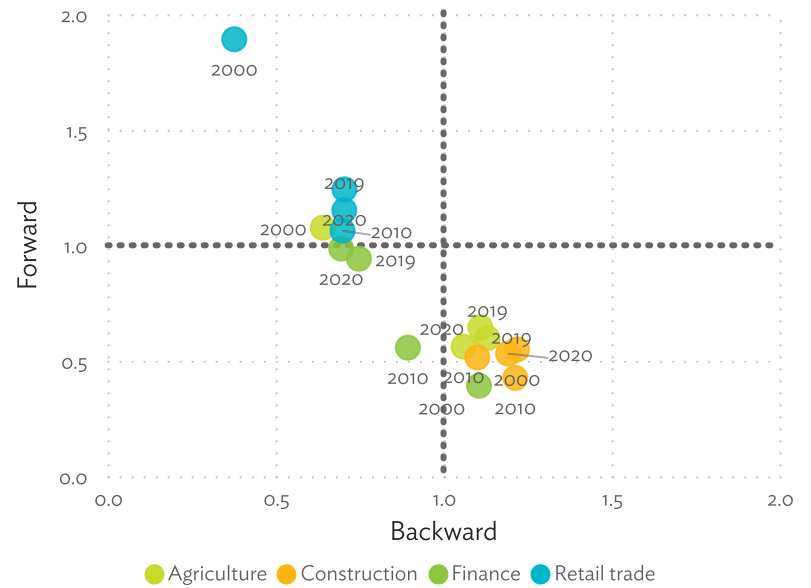


Domestic Linkages

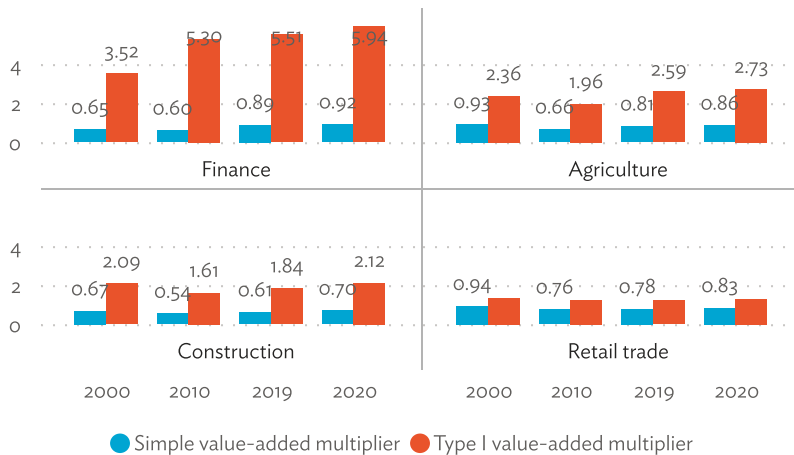
Normalized Linkages



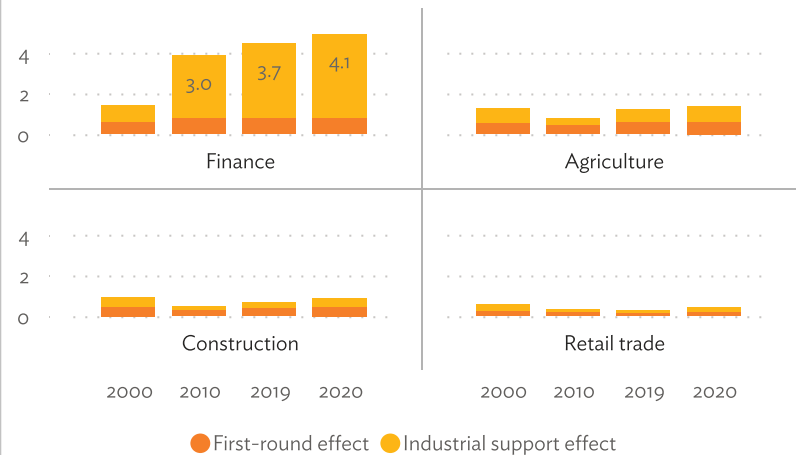
Net Linkages



Value-Added Multipliers

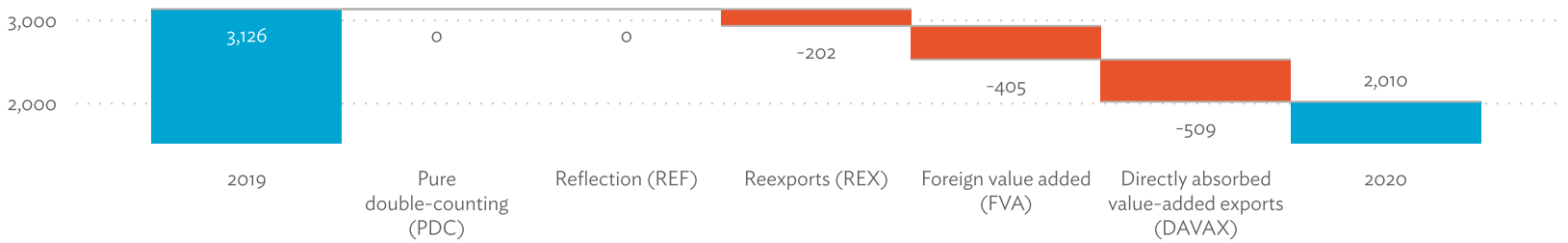


Production-Induced Effect

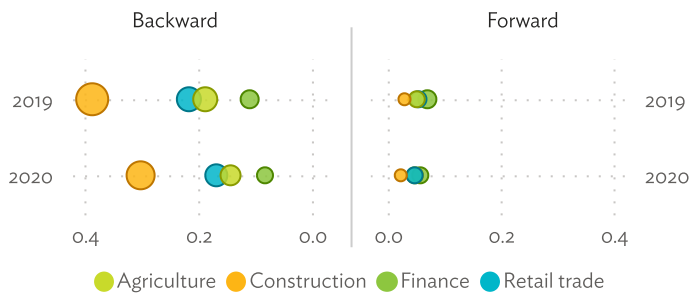


International Linkages

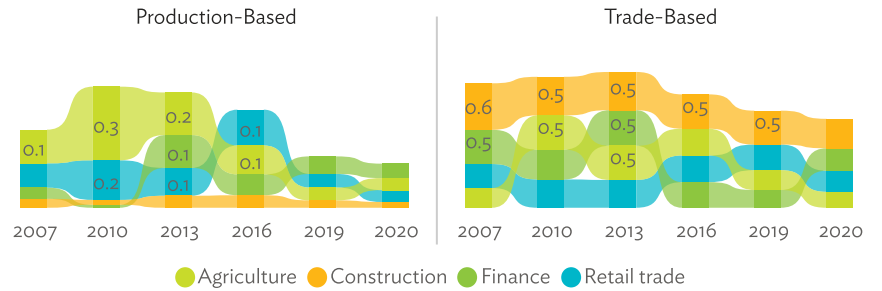
Change in Exports, by Value-Added Components, 2019-2020
(\$ million)



Import Multipliers



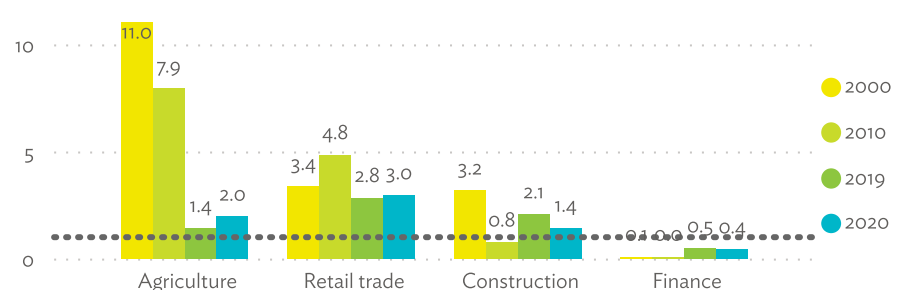
GVC Participation Rates



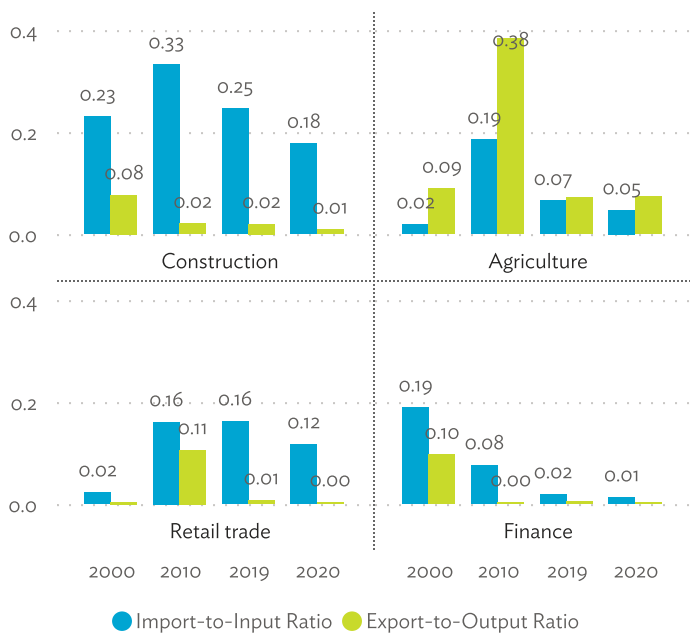
Average Production Length



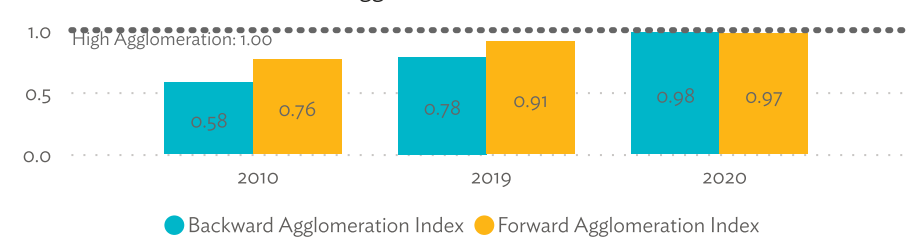
New Revealed Comparative Advantage



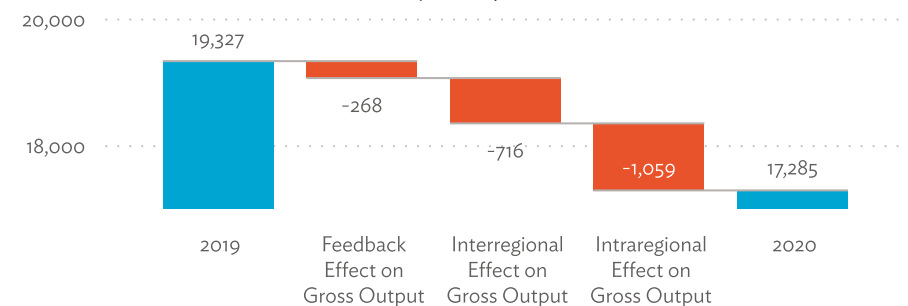
Trade Orientation



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).