

Economic Aggregates (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price	1,010	3,815	6,454	11,153	10,440	12,490	11,873
Gross output	2,106	7,737	13,205	22,269	20,315	26,432	25,060
Total intermediate inputs	1,068	3,734	6,422	10,543	9,389	13,165	12,525
Taxes less subsidies on products	27	188	329	573	486	777	662
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	614	1,543	3,001	4,988	4,422	5,248	5,293
Final consumption expenditure by NPISHs	10	15	43	55	40	65	66
Government final consumption expenditure	168	490	875	1,625	1,569	1,606	1,855
Gross fixed capital formation	182	883	1,532	3,205	1,811	2,271	2,213
Changes in inventories	-16	44	302	1,141	654	732	-349
Total final demand	958	2,975	5,752	11,014	8,496	9,923	9,077
Exports	441	2,115	2,955	4,048	4,937	8,413	7,746
Imports	621	2,079	3,675	6,813	4,412	9,254	7,168

Economic Aggregates, Top 3 Sectors (\$ million)	2000	2007	2010	2013	2016	2019	2020
Value-added at basic price							
Mining	110	1,146	1,549	1,870	2,287	3,245	2,842
Agriculture	312	780	844	1,688	1,330	1,512	1,585
Food and beverages	28	156	292	548	447	660	703
Gross output							
Mining	170	2,229	3,036	4,003	4,700	6,450	5,649
Agriculture	400	1,183	1,287	2,287	1,890	2,281	2,391
Construction	94	483	972	2,580	1,827	2,471	2,256
Total intermediate inputs							
Mining	58	1,029	1,392	2,018	2,311	3,012	2,650
Construction	65	363	737	1,804	1,304	1,805	1,657
Food and beverages	46	356	666	900	1,021	1,220	1,305
Total final demand							
Construction	62	317	663	2,063	1,125	1,615	1,684
Food and beverages	53	414	796	1,316	1,286	1,426	1,527
Public administration	91	173	418	777	729	779	907
Exports							
Mining	155	1,457	1,994	2,767	3,738	5,988	4,553
Agriculture	32	164	104	151	200	436	1,466
Metals	27	33	50	30	69	232	351
Imports							
Machinery, NEC	6	284	453	898	514	1,219	895
Construction	56	30	26	254	161	658	602
Electricals	2	151	234	390	384	820	597

Domestic Linkages

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
First-round effect							
Transport equipment	0.26	0.28	0.00	0.34	0.56	0.97	0.90
Leather	0.59	0.65	0.64	0.64	0.67	0.59	0.62
Refined fuels	0.05	0.22	0.24	0.40	0.72	0.61	0.62
Industrial support effect							
Transport equipment	0.13	0.15	0.00	0.17	0.28	0.43	0.46
Utilities	0.16	0.45	0.59	0.57	0.34	0.30	0.34
Refined fuels	0.02	0.08	0.09	0.19	0.38	0.28	0.33
Production-induced effect							
Transport equipment	0.39	0.44	0.00	0.51	0.83	1.40	1.37
Refined fuels	0.06	0.30	0.34	0.59	1.10	0.90	0.95
Leather	0.75	0.92	0.92	0.89	0.92	0.80	0.87

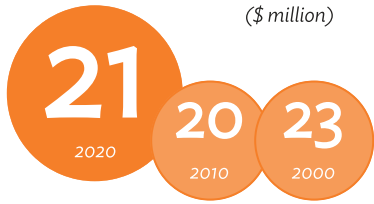
Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Simple value-added multiplier							
Real estate	0.86	0.92	0.93	0.93	0.93	0.91	0.92
Finance	0.84	0.88	0.88	0.91	0.92	0.89	0.90
Education	0.90	0.88	0.88	0.89	0.90	0.87	0.88
Type I value-added multiplier							
Transport equipment	1.43	2.22	0.00	1.52	2.39	448.14	136.05
Leather	2.54	3.06	2.95	3.01	3.60	3.74	3.90
Metals	2.40	2.03	1.86	1.72	1.57	1.51	2.43
Direct backward linkage							
Transport equipment	0.26	0.28	0.00	0.34	0.56	0.97	0.90
Leather	0.59	0.65	0.64	0.64	0.67	0.59	0.62
Refined fuels	0.05	0.22	0.24	0.40	0.72	0.61	0.62
Complete hypothetical extraction (backward)							
Transport equipment	1.39	1.44	1.00	1.51	1.83	2.40	2.37
Refined fuels	1.06	1.29	1.32	1.56	2.09	1.88	1.92
Leather	1.71	1.87	1.84	1.80	1.86	1.76	1.81
Partial hypothetical extraction (backward)							
Transport equipment	0.39	0.44	0.00	0.51	0.83	1.40	1.37
Refined fuels	0.06	0.30	0.33	0.58	1.09	0.89	0.93
Leather	0.73	0.90	0.88	0.85	0.89	0.78	0.84
Total backward linkage							
Transport equipment	1.39	1.44	1.00	1.51	1.83	2.40	2.37
Refined fuels	1.06	1.30	1.34	1.59	2.10	1.90	1.95
Leather	1.75	1.92	1.92	1.89	1.92	1.80	1.87
Direct forward linkage							
Minerals, NEC	0.80	0.89	0.90	0.79	0.85	0.81	0.88
Rubber and plastics	0.54	0.88	0.76	0.67	0.87	0.84	0.88
Finance	0.83	0.77	0.76	0.82	0.81	0.81	0.82
Complete hypothetical extraction (forward)							
Refined fuels	1.03	2.21	2.22	1.91	2.35	1.85	2.21
Rubber and plastics	1.71	2.21	2.08	1.88	2.23	2.07	2.16
Finance	1.92	2.06	2.11	2.16	2.15	2.05	2.12
Partial hypothetical extraction (forward)							
Rubber and plastics	0.76	1.26	1.11	0.92	1.26	1.14	1.23
Refined fuels	0.03	1.22	1.23	0.92	1.35	0.86	1.22
Minerals, NEC	1.18	1.26	1.27	1.00	1.22	1.12	1.17
Total forward linkage							
Utilities	2.08	1.96	2.41	2.49	2.37	2.37	2.40
Rubber and plastics	1.80	2.32	2.15	1.95	2.28	2.22	2.32
Minerals, NEC	2.21	2.36	2.36	2.10	2.33	2.20	2.27
Normalized backward linkage							
Transport equipment							
Refined fuels							
Leather							
Normalized forward linkage							
Utilities							
Rubber and plastics							
Minerals, NEC							
Net backward linkage							
Transport equipment							
Metals							
Leather							
Net forward linkage							
Finance							
Chemicals							
Real estate							

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Self-sufficiency ratio							
Air transport	0.94	3.12	2.74	1.90	1.24	7.61	8.35
Mining	7.93	2.61	2.50	2.50	4.52	10.61	4.69
Metals	1.24	0.80	0.87	0.56	0.89	1.42	3.00
Import-to-input ratio							
Electricals	0.36	0.42	0.45	0.38	0.28	0.85	0.84
Machinery, NEC	0.44	0.23	0.24	0.30	0.28	0.66	0.62
Paper	0.33	0.25	0.26	0.25	0.22	0.50	0.45
Export-to-output ratio							
Air transport	0.27	0.76	0.69	0.51	0.24	1.00	1.00
Water transport	0.94	0.43	0.10	0.00	0.00	0.99	1.00
Metals	0.58	0.48	0.39	0.25	0.38	1.00	1.00
Domestic inputs share to output							
Transport equipment	0.26	0.28	0.00	0.34	0.56	0.97	0.90
Leather	0.59	0.65	0.64	0.64	0.67	0.59	0.62
Refined fuels	0.05	0.22	0.24	0.40	0.72	0.61	0.62
Foreign inputs share to output							
Electricals	0.36	0.42	0.45	0.38	0.28	0.85	0.84
Machinery, NEC	0.44	0.23	0.24	0.30	0.28	0.66	0.62
Paper	0.33	0.25	0.26	0.25	0.22	0.50	0.45
Backward import multipliers							
Electricals	0.51	0.49	0.51	0.43	0.33	0.86	0.86
Machinery, NEC	0.57	0.31	0.32	0.38	0.35	0.68	0.64
Paper	0.41	0.36	0.35	0.32	0.30	0.53	0.49
Forward import multipliers							
Metals	0.70	0.64	0.52	0.42	0.56	0.99	0.92
Air transport	0.29	0.87	0.81	0.66	0.39	0.88	0.88
Water transport	0.94	0.46	0.21	0.34	0.34	0.79	0.78
Intraregional transfer multiplier							
Transport equipment	1.39	1.44	1.00	1.51	1.83	2.40	2.37
Refined fuels	1.06	1.30	1.34	1.59	2.10	1.90	1.95
Leather	1.75	1.92	1.92	1.89	1.92	1.80	1.87
Interregional spillover multiplier							
Electricals	1.61	1.94	2.08	1.87	1.67	2.80	2.81
Machinery, NEC	1.74	1.50	1.55	1.69	1.68	2.42	2.33
Paper	1.58	1.53	1.59	1.56	1.55	2.06	1.94
Interregional feedback multiplier							
Electricals	1.17	1.20	1.20	1.18	1.12	1.33	1.31
Machinery, NEC	1.22	1.11	1.10	1.14	1.12	1.25	1.23
Paper	1.09	1.11	1.10	1.10	1.08	1.17	1.15
Intraregional effect on gross output (\$ million)							
Construction	83.93	384.13	819.15	2,411.63	1,545.68	2,110.10	2,010.83
Food and beverages	59.84	487.18	943.70	1,468.67	1,462.52	1,805.64	1,953.69
Mining	12.42	597.00	997.93	1,081.15	806.91	1,829.90	1,433.52
Interregional effect on gross output (\$ million)							
Mining	132.14	1,282.70	1,699.41	2,436.00	3,292.67	3,843.21	3,576.40
Agriculture	34.12	202.89	113.88	148.48	149.09	329.10	1,101.68
Utilities	10.71	41.96	83.13	150.56	263.04	320.39	324.89
Feedback effect on gross output (\$ million)							
Mining	24.97	349.63	338.71	485.51	599.93	777.21	638.73
Metals	3.61	7.76	9.67	7.79	13.81	82.47	108.39
Agriculture	3.89	30.52	15.95	21.31	19.66	35.24	104.58
Directly absorbed value-added exports (DAVAX) (\$ million)							
Mining	85.32	663.08	1,063.71	1,416.98	2,175.36	3,633.18	2,855.61
Agriculture	24.08	117.81	71.60	109.04	148.91	304.57	1,043.77
Wholesale trade	12.29	45.42	132.13	112.74	115.47	135.01	120.63
Reflection (REF) (\$ million)							
Mining	0.01	0.12	0.24	0.52	0.37	0.63	0.44
Agriculture	0.00	0.00	0.01	0.01	0.01	0.04	0.12
Metals	0.00	0.00	0.00	0.00	0.01	0.02	0.02

Indicator and Top 3 Sectors, 2020	2000	2007	2010	2013	2016	2019	2020
Reexports (REX) (\$ million)							
Mining	31.55	424.90	420.73	592.74	751.82	918.25	718.78
Agriculture	2.99	30.67	18.78	30.42	31.95	58.55	195.94
Metals	2.94	8.09	8.88	5.27	12.70	84.21	129.13
Foreign value added (FVA) (\$ million)							
Mining	38.20	368.70	509.22	756.76	810.06	1,435.93	977.56
Agriculture	4.50	15.75	13.83	11.77	19.33	73.18	226.58
Metals	11.92	9.61	17.60	10.85	14.86	91.13	112.00
Pure double-counting (PDC) (\$ million)							
Mining	0.00	0.06	0.09	0.24	0.23	0.22	0.14
Agriculture	0.00	0.00	0.00	0.00	0.00	0.01	0.02
Metals	0.00	0.00	0.00	0.00	0.01	0.02	0.02
Trade-based GVC participation rate							
Electricals	0.65	0.58	0.57	0.51	0.44	0.90	0.88
Machinery, NEC	0.59	0.44	0.45	0.50	0.52	0.70	0.69
Metals	0.56	0.54	0.53	0.53	0.40	0.76	0.69
Production-based GVC participation rate							
Metals	0.70	0.64	0.52	0.42	0.56	0.99	0.92
Air transport	0.29	0.87	0.81	0.66	0.39	0.88	0.88
Water transport	0.94	0.46	0.21	0.34	0.34	0.79	0.78
Trade-based backward GVC participation rate							
Electricals	0.51	0.49	0.51	0.43	0.33	0.86	0.86
Machinery, NEC	0.57	0.31	0.32	0.38	0.35	0.68	0.64
Paper	0.41	0.36	0.35	0.32	0.30	0.53	0.49
Trade-based forward GVC participation rate							
Metals	0.11	0.24	0.18	0.17	0.18	0.36	0.37
Water transport	0.31	0.25	0.19	0.15	0.17	0.33	0.25
Leather	0.24	0.24	0.16	0.36	0.47	0.19	0.24
Traditional revealed comparative advantage							
Mining	5.83	8.70	8.00	7.29	11.28	10.56	9.01
Agriculture	3.32	3.83	1.56	1.59	1.73	1.80	6.14
Air transport	2.15	1.59	1.90	1.92	0.61	1.79	1.85
New revealed comparative advantage							
Mining	4.62	6.01	4.78	4.11	5.94	6.17	6.21
Agriculture	4.83	3.39	1.38	1.15	1.03	1.28	3.18
Air transport	1.03	1.48	2.02	1.49	1.16	2.05	2.02
Backward production length							
Electricals	2.78	2.82	2.88	2.53	2.32	3.35	3.33
Transport equipment	2.27	2.89		2.08	2.42	3.16	3.12
Construction	2.53	2.73	2.80	2.74	2.74	2.83	2.79
Forward production length							
Mining	4.26	3.86	3.63	3.93	4.32	3.70	4.01
Utilities	2.61	2.46	2.98	3.29	3.89	3.73	3.71
Finance	3.27	3.48	3.16	3.14	3.55	3.38	3.64
Backward production length of GVC segment							
Refined fuels	3.37	3.71	3.68	4.75	4.86	4.65	4.72
Personal services, NEC	3.88	4.18	4.27	4.36	4.37	4.42	4.45
Transport equipment	3.61	3.59		4.02	4.20	4.68	4.44
Forward production length of GVC segment							
Utilities	5.12	5.84	5.95	5.84	6.12	6.16	6.21
Minerals, NEC	4.96	5.93	5.79	5.48	6.17	6.09	6.14
Real estate	4.84	5.88	5.78	4.93	4.67	5.94	5.98
Backward agglomeration index							
Rubber and plastics	-	0.89	0.97	1.42	1.58	3.40	2.47
Refined fuels	-	0.97	0.99	1.58	1.53	1.35	1.77
Chemicals	-	1.23	1.18	1.14	1.23	1.78	1.76
Forward agglomeration index							
Manufacturing, NEC	-	1.38	1.49	1.60	1.52	1.87	1.73
Electricals	-	2.50	2.24	2.20	1.96	1.40	1.63
Textiles	-	1.19	1.52	1.55	1.60	1.15	1.46

Economy Ranking out of 25 Economies

Value-Added at Basic Prices
(\$ million)



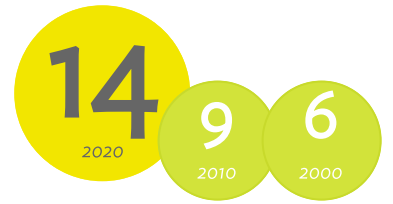
Average Output Multiplier



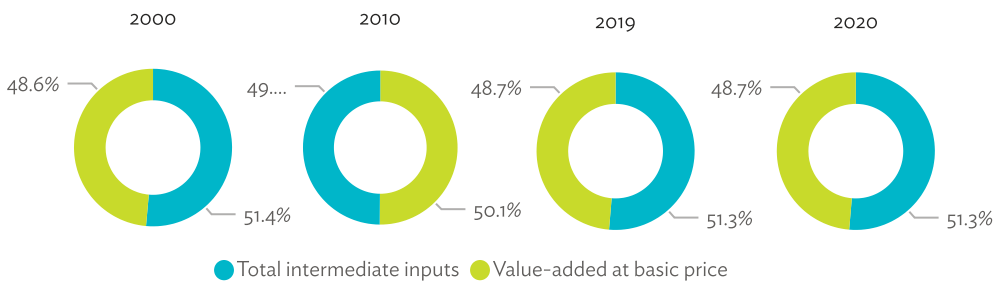
Trade Openness



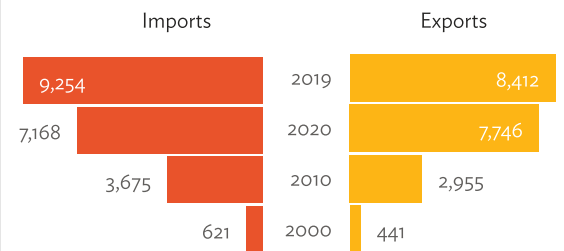
Trade-Based GVC Participation



Share of Intermediate Consumption and Gross Value-Added in Output

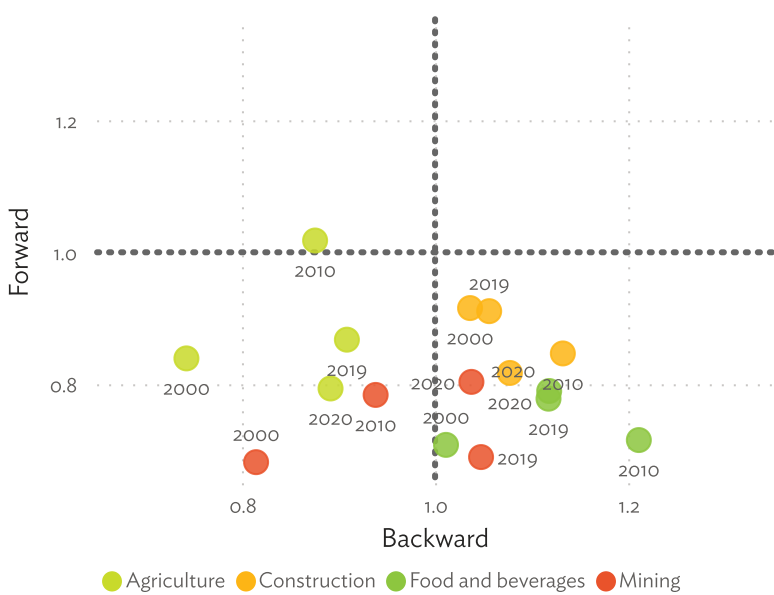


Imports and Exports, 2019-2020
(\$ million)

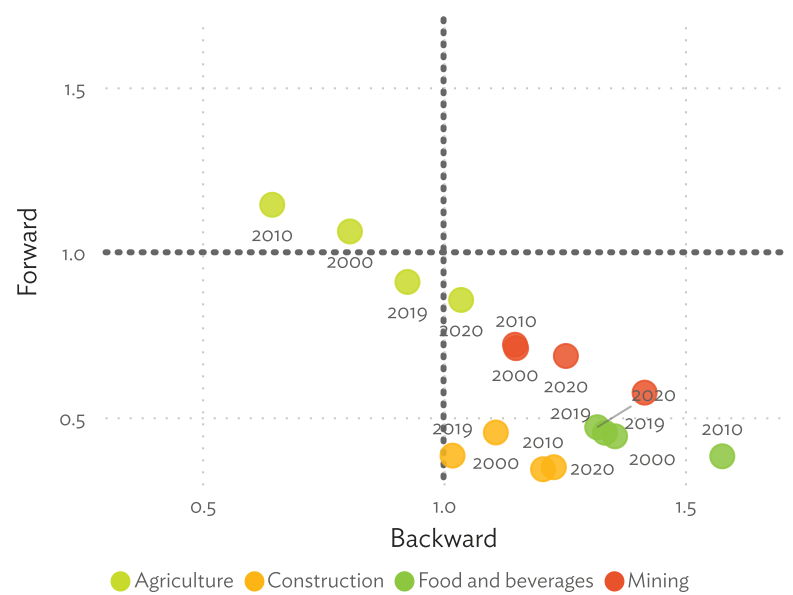


Domestic Linkages

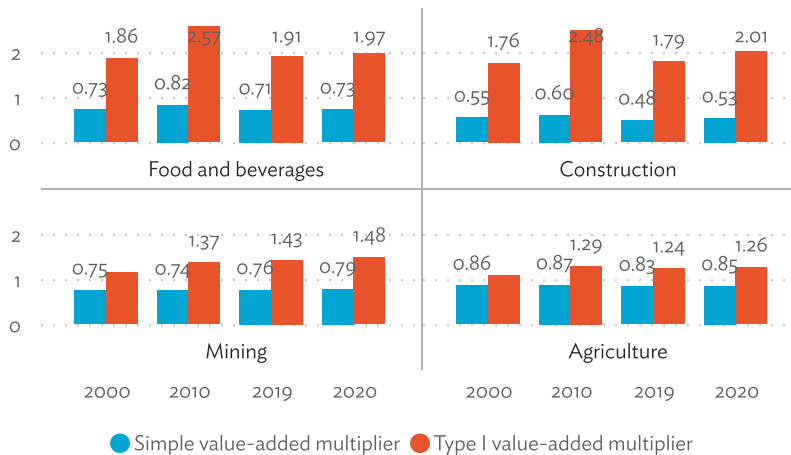
Normalized Linkages



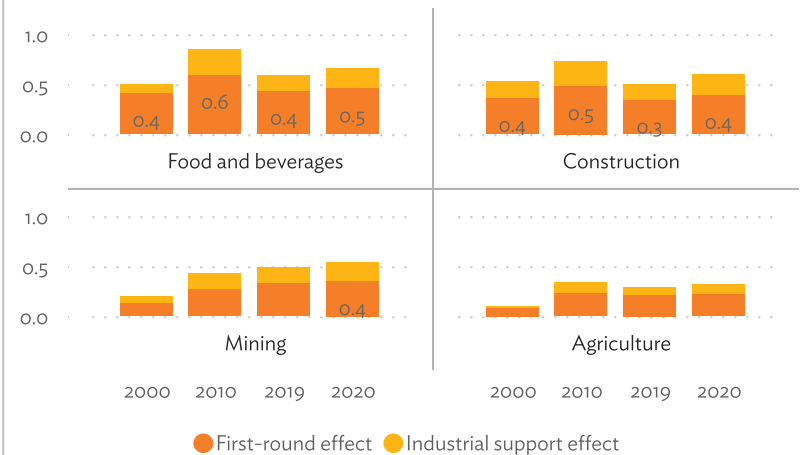
Net Linkages



Value-Added Multipliers

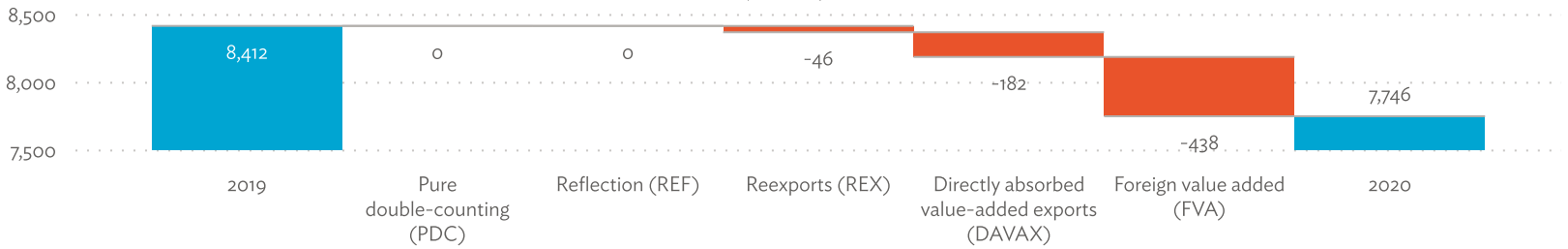


Production-Induced Effect

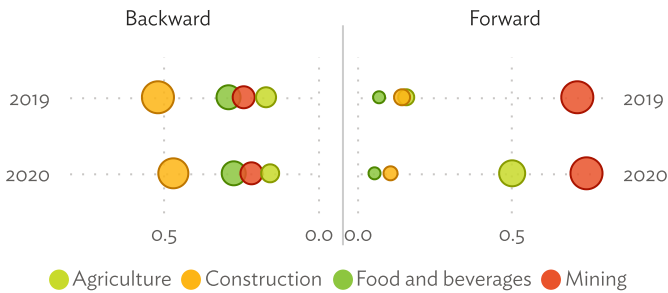


International Linkages

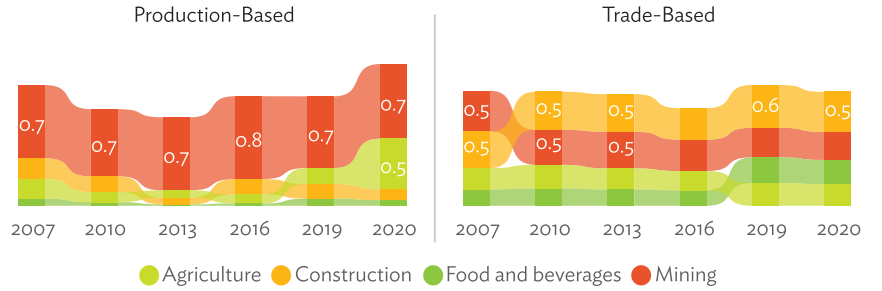
Change in Exports, by Value-Added Components, 2019-2020
(\$ million)



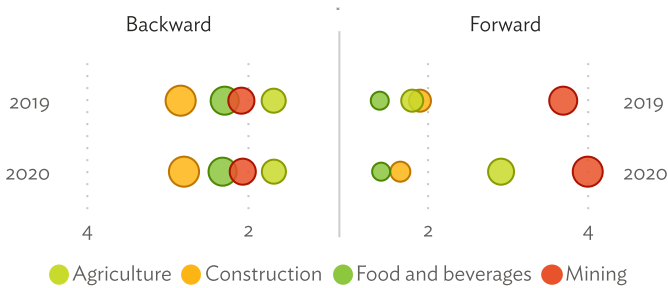
Import Multipliers



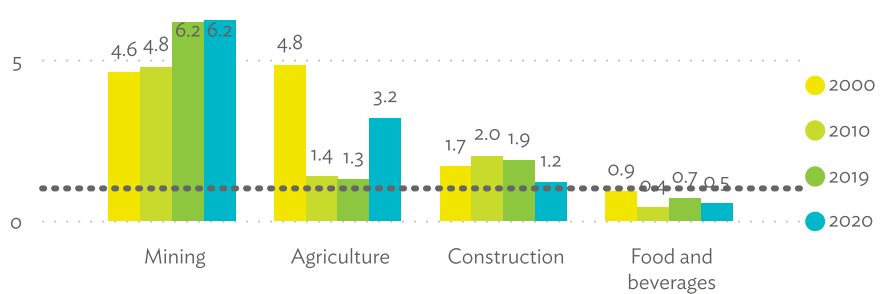
GVC Participation Rates



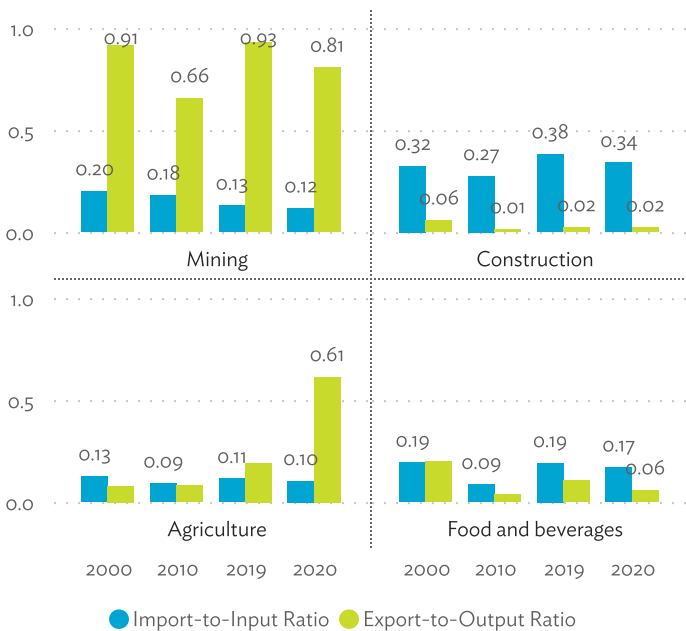
Average Production Length



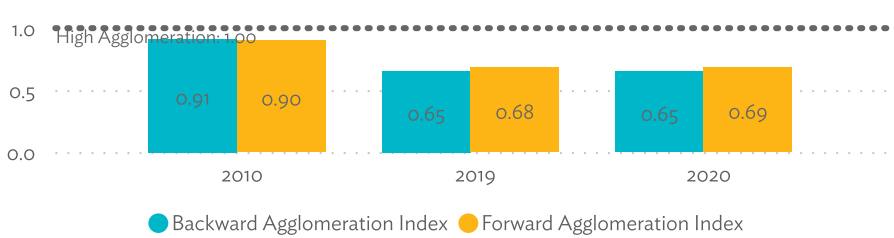
New Revealed Comparative Advantage



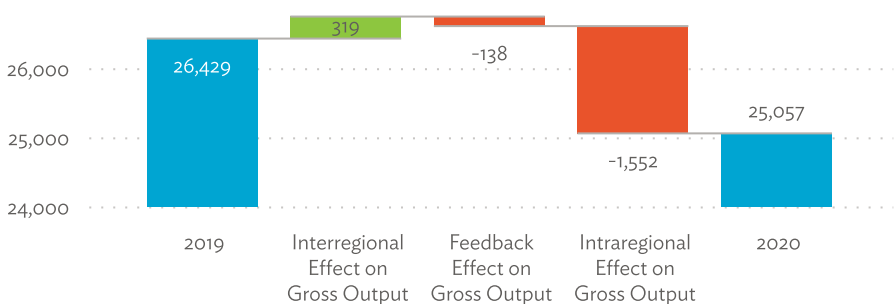
Trade Orientation



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).