



Canadian
Chamber of
Commerce

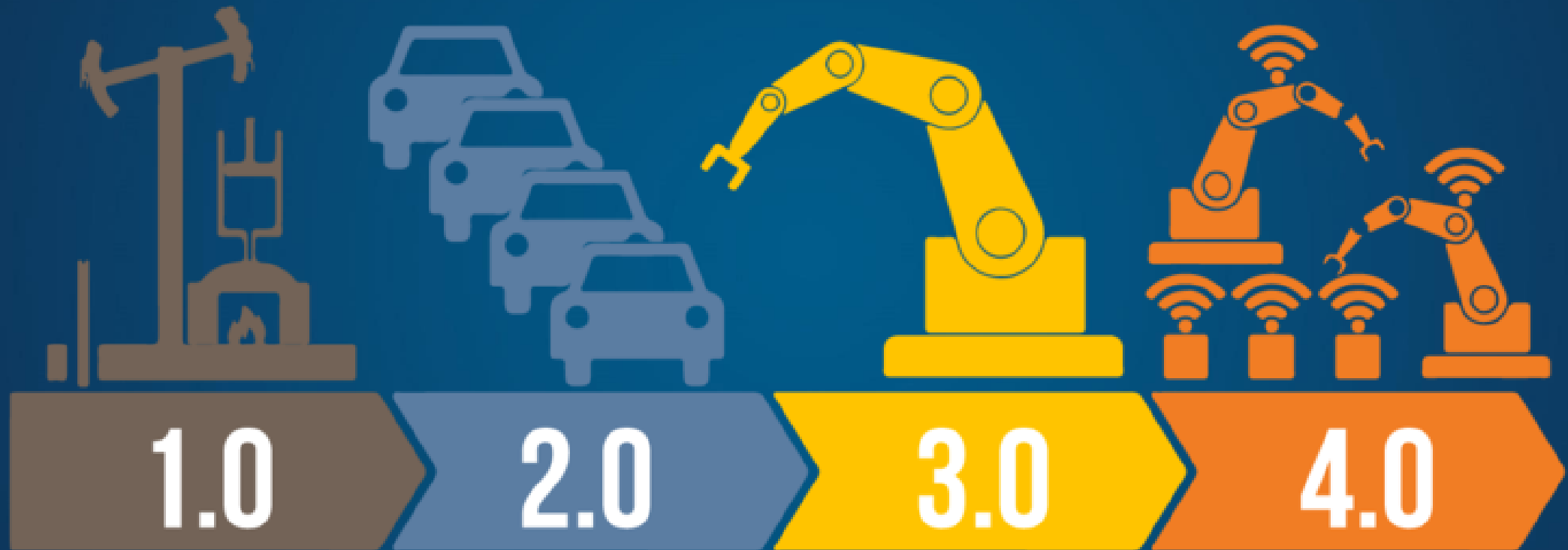
Chambre de
Commerce
du Canada

The Canadian Economy in a Global Context: The Current State and the Forces Shaping the Future

Dr. Trevin S. Stratton, Chief Economist



The Fourth Industrial Revolution



1790s

Mechanization
Water Power
Steam Power

1890s

Mass Production
Assembly Lines
Electric Power

1960s

Electronic & IT Systems
Electric Power

Today

Cyber Physical Systems
Internet of Things
Machine Learning



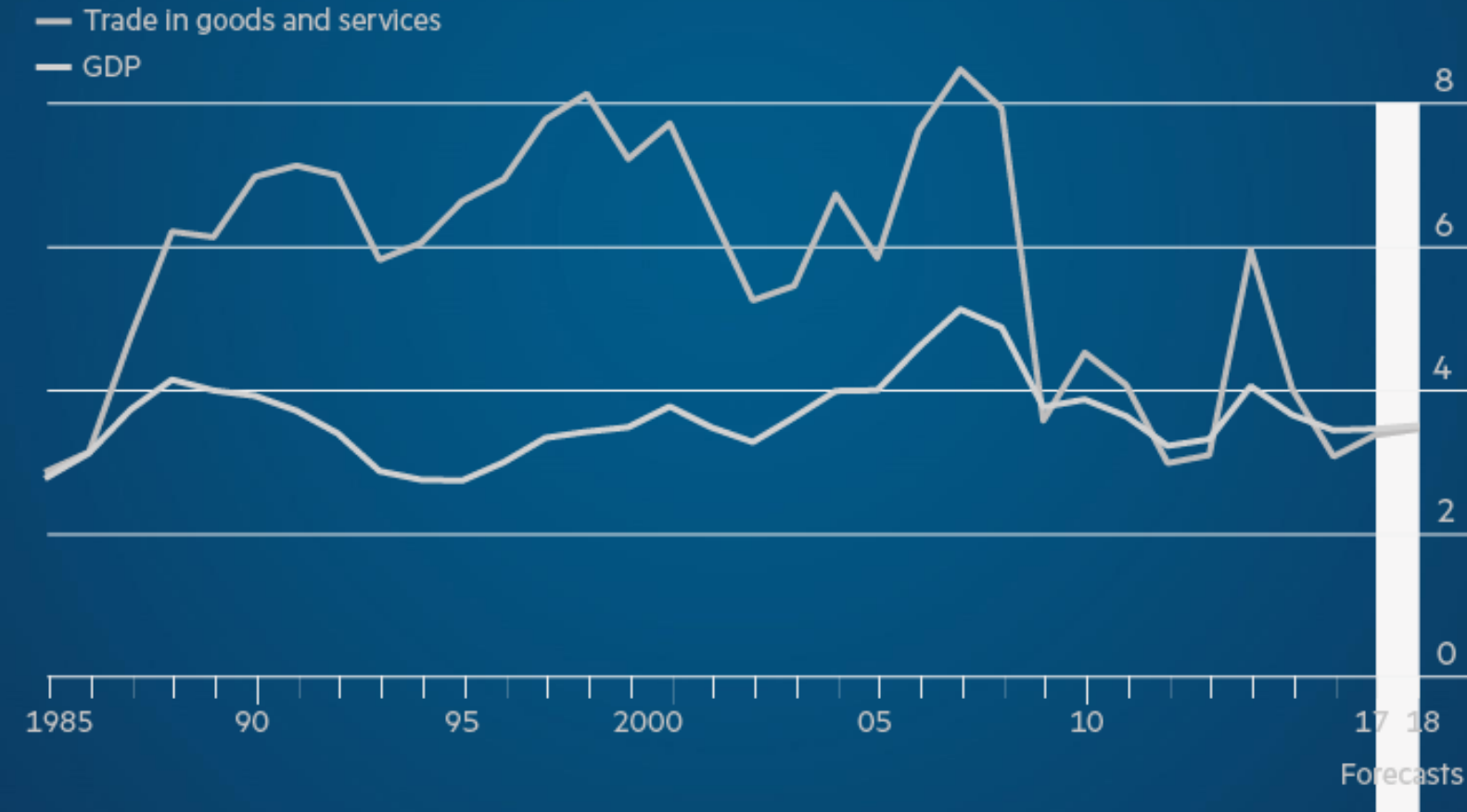
IBM Model 350 Disk (5 MB) in 1956 vs Micro SD Card (128 GB) Today



Global Trade Stagnates

Global trade stagnates

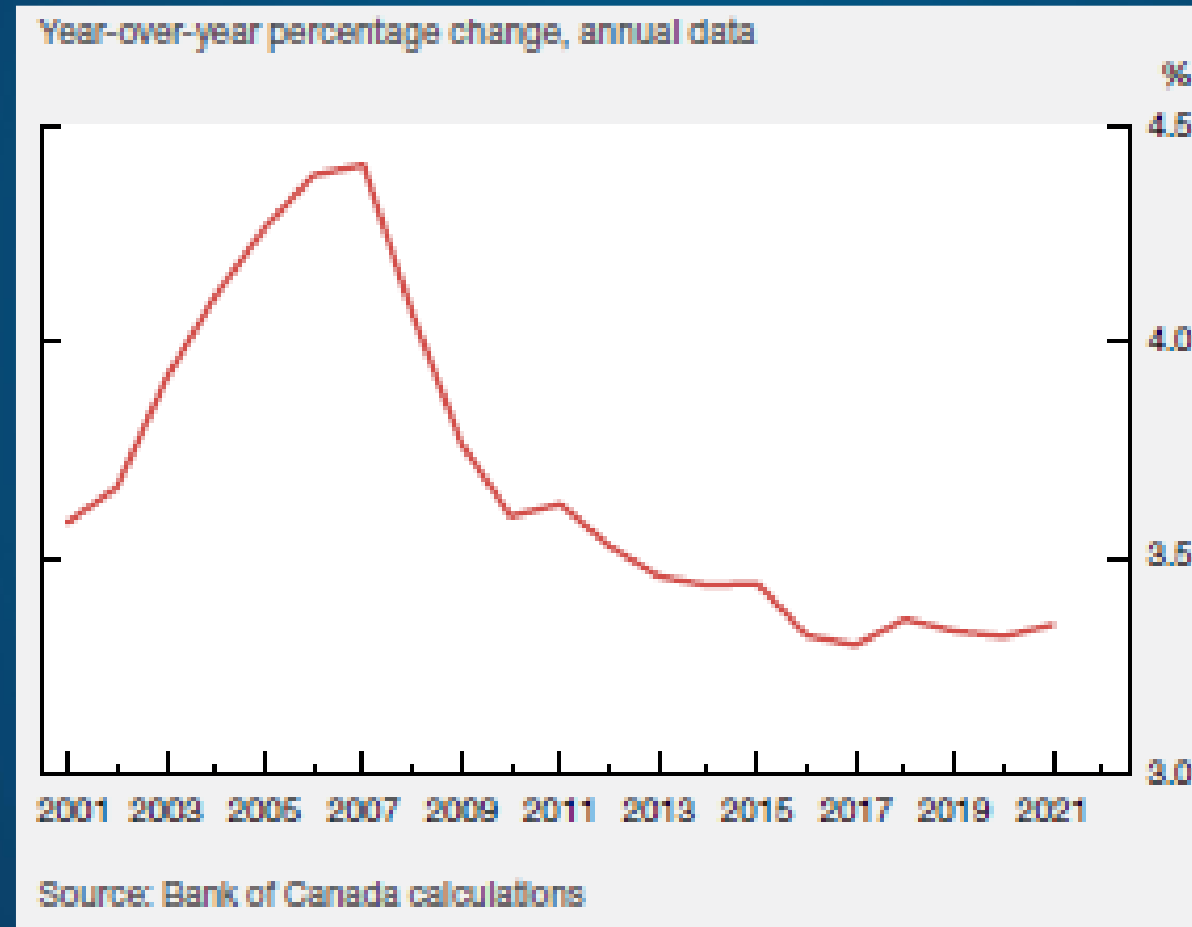
Annual volume growth (five-year moving average, %)



Source: IMF
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Global Growth Potential



Global Competitiveness Index 2018

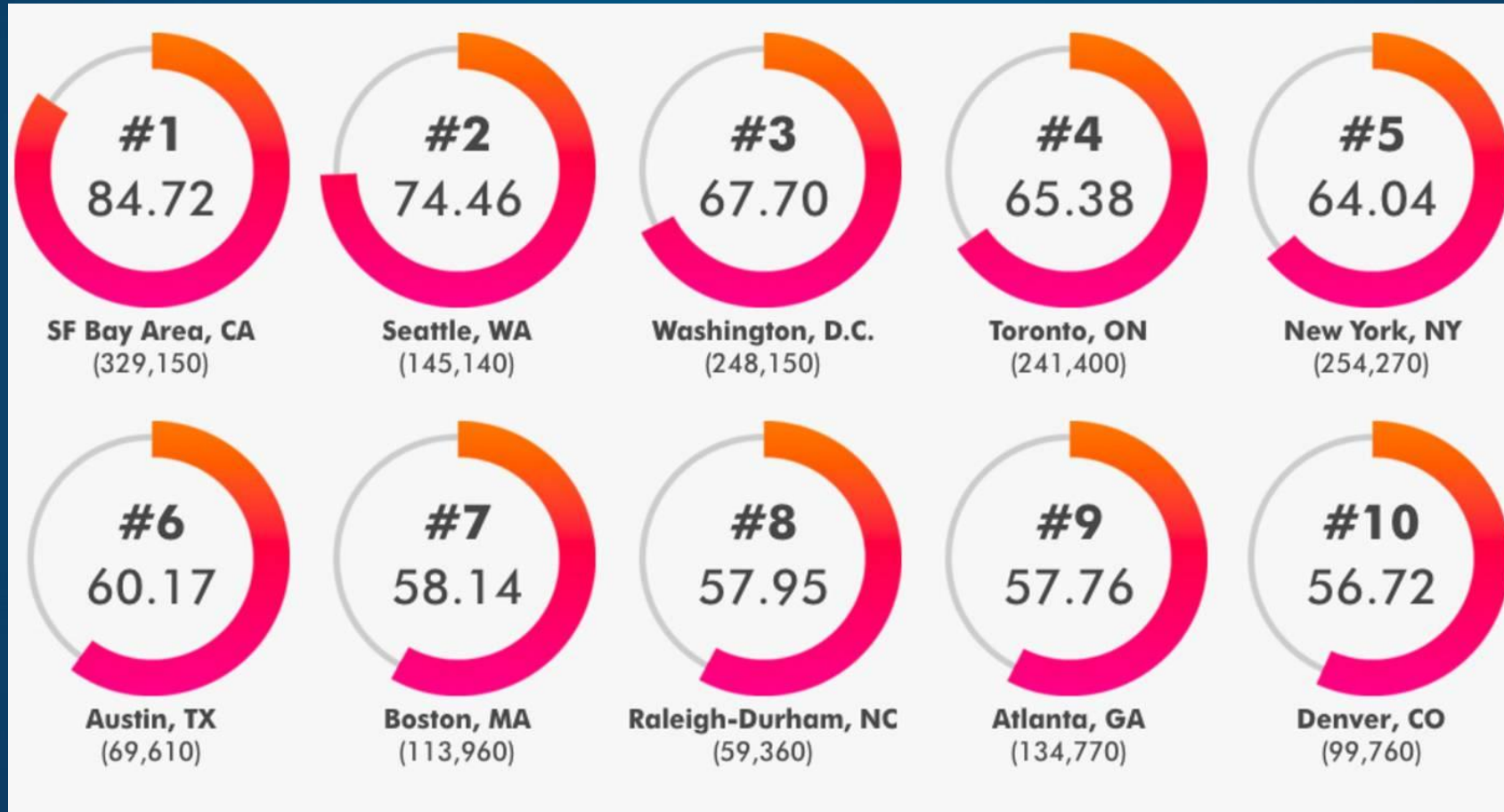
Rank	Economy	Score ¹	Diff. from 2017 ²	
			Rank	Score
1	United States	85.6	—	+0.8
2	Singapore	83.5	—	+0.5
3	Germany	82.8	—	+0.2
4	Switzerland	82.6	—	+0.2
5	Japan	82.5	+3	+0.9
6	Netherlands	82.4	-1	+0.2
7	Hong Kong SAR	82.3	—	+0.3
8	United Kingdom	82.0	-2	-0.1
9	Sweden	81.7	—	+0.1
10	Denmark	80.6	+1	+0.7

11	Finland	80.3	+1	+0.5
12	Canada	79.9	-2	-0.1
13	Taiwan, China	79.3	—	+0.1
14	Australia	78.9	+1	+0.7
15	Korea, Rep.	78.8	+2	+0.8
16	Norway	78.2	-2	-0.8
17	France	78.0	+1	+0.6
18	New Zealand	77.5	-2	-0.6
19	Luxembourg	76.6	+3	+0.6
20	Israel	76.6	—	+0.4

Source: World Economic Forum, 2018 Global Competitiveness Index




Tech Talent Ranking



Source: CBRE, Tech Talent Ranking, 2018




ICT Adoption: Canada

Index Component	Value	Score *	Rank/140	Best Performer
 Pillar 3: ICT adoption 0-100 (best)	-	68.6 ↑	34	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions /100 pop.	85.9	71.6 ↑	114	Multiple (68)
3.02 Mobile-broadband subscriptions /100 pop.	72.5	n/a	63	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions /100 pop.	38.0	76.0 ↑	12	Switzerland
3.04 Fibre Internet subscriptions /100 pop.	3.7	n/a	41	Korea, Rep.
3.05 Internet users % pop.	91.2	91.2 ↑	10	Iceland

Source: World Economic Forum, 2018 Global Competitiveness Index




Innovation Capability: Canada

Index Component	Value	Score *	Rank/140	Best Performer
 Pillar 12: Innovation capability 0-100 (best)	-	75.0 ↑	13	Germany
12.01 Diversity of workforce 1-7 (best)	5.9	81.7 ↓	1	Canada
12.02 State of cluster development 1-7 (best)	4.7	62.0 ↑	23	United States
12.03 International co-inventions applications/million pop.	15.93	86.8 ↓	14	Multiple (7)
12.04 Multi-stakeholder collaboration 1-7 (best)	4.6	60.5 ↑	24	United States
12.05 Scientific publications H Index	986.3	100.0 =	4	Multiple (7)
12.06 Patent applications applications/million pop.	108.45	86.3 ↓	18	Multiple (8)
12.07 R&D expenditures % GDP	1.6	53.8 =	23	Multiple (7)
12.08 Quality of research institutions index	0.34	81.1 ↑	10	Multiple (7)
12.09 Buyer sophistication 1-7 (best)	4.4	56.7 ↑	21	United States
12.10 Trademark applications applications/million pop.	1,904.45	81.2 ↑	39	Multiple (7)

Source: World Economic Forum, 2018 Global Competitiveness Index



Business Dynamism: Canada

Index Component	Value	Score *	Rank/140	Best Performer
 Pillar 11: Business dynamism 0-100 (best)	-	76.0 ↑	13	United States
11.01 Cost of starting a business % GNI per capita	0.4	99.8 =	9	Multiple (2)
11.02 Time to start a business days	1.5	99.0 =	2	New Zealand
11.03 Insolvency recovery rate cents/\$	87.5	94.2 ↓	8	Norway
11.04 Insolvency regulatory framework 0-16 (best)	11.0	68.8 =	46	Multiple (5)
11.05 Attitudes toward entrepreneurial risk 1-7 (best)	4.4	56.7 ↑	31	Israel
11.06 Willingness to delegate authority 1-7 (best)	5.6	76.9 ↓	10	Denmark
11.07 Growth of innovative companies 1-7 (best)	4.7	60.9 ↑	25	Israel
11.08 Companies embracing disruptive ideas 1-7 (best)	4.1	51.7 ↑	28	United States

Source: World Economic Forum, 2018 Global Competitiveness Index





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