

NOVEMBER 2019

MMPA Conference 2019

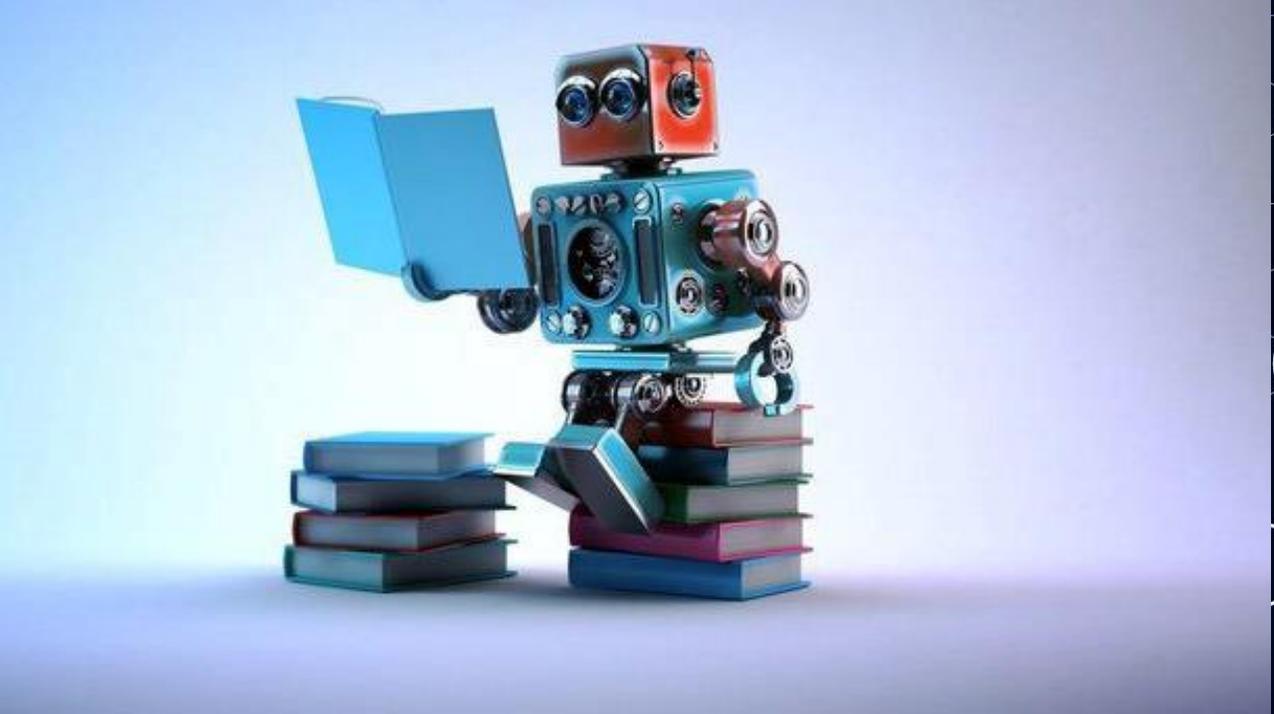
Artificial Intelligence: Technology, Governance and Social Innovation

Eric Santor
Advisor to the Governor
Bank of Canada

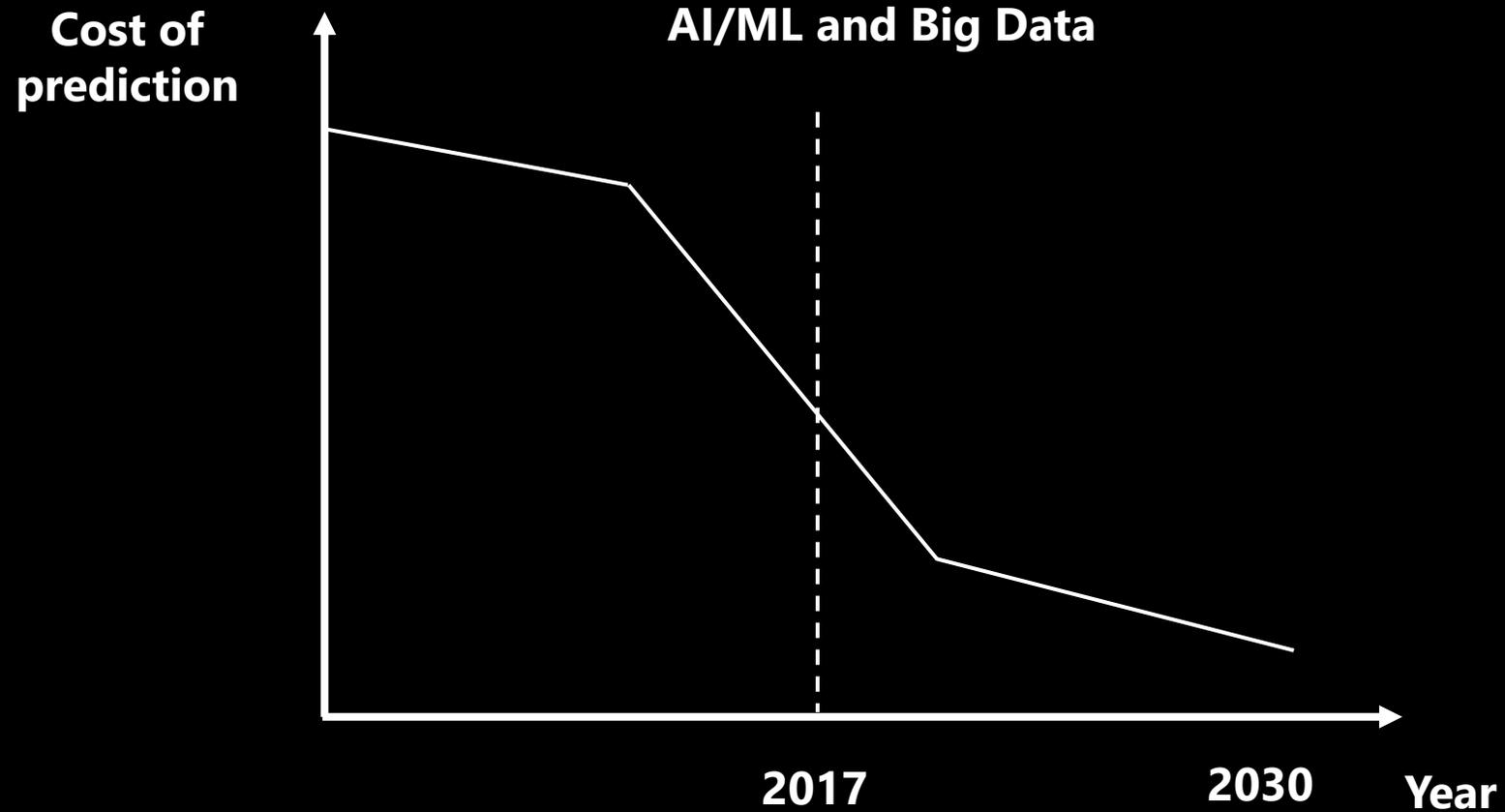


Views expressed are those of the author and
not those of the Governing Council





Machine learning as a GPT



Agrawal 2019

EXTENDED FORECAST
SUN MON TUE WED THU FRI SAT

74	76	80	84	86	90	92
55	54	57	60	64	66	

Lincoln 7 Day Forecast

42	45	60	73	70	72	51
28	24	38	42	50	38	

7 DAY FORECAST

28°	26°	30°	32°	33°	31°	31°
14°	14°	19°	19°	20°	18°	18°

SAN TANTIMES 7 DAY FORECAST

High 81°	High 83°	High 87°	High 90°	High 90°	High 93°	High 92°
Low 53°	Low 57°	Low 58°	Low 60°	Low 63°	Low 60°	Low 59°

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Next 7 Days

Wed	Thu	Fri	Sat	Sun	Mon	Tue
16°	10°	10°	13°	9°	10°	8°
1°	2°	2°	3°	4°	3°	3°

Average High: 3°

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6°	8°	7°	-2°	-2°	0°	1°
-3°	-1°	0°	-4°	-5°	-2°	-2°

Normals: High 14° Low 4°

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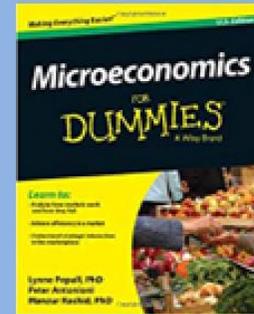
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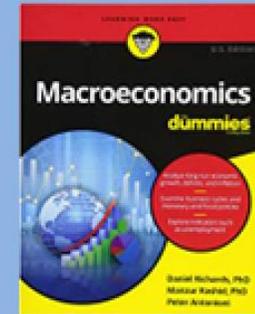
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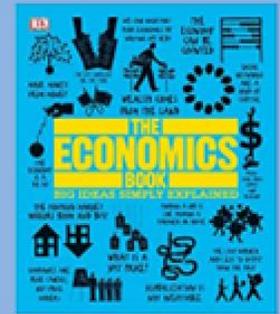
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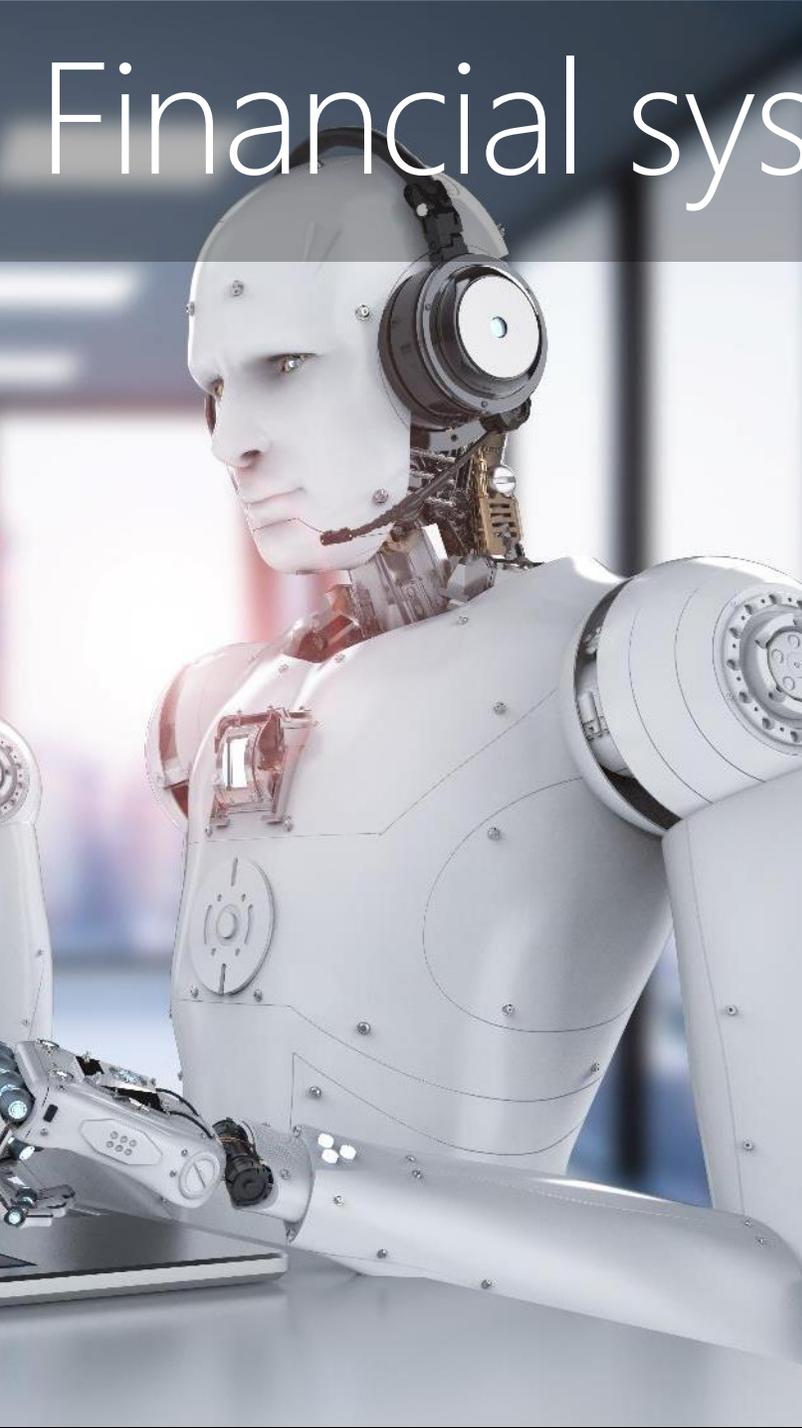
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DeepL



Financial system is evolving



A futuristic server room with glowing blue server racks and a curved ceiling. The room is filled with rows of server racks, each illuminated with a bright blue light. The ceiling is curved and features a series of horizontal light strips. The floor is a light-colored grid pattern. The overall atmosphere is high-tech and modern.

Governance needs
to evolve



Explainability

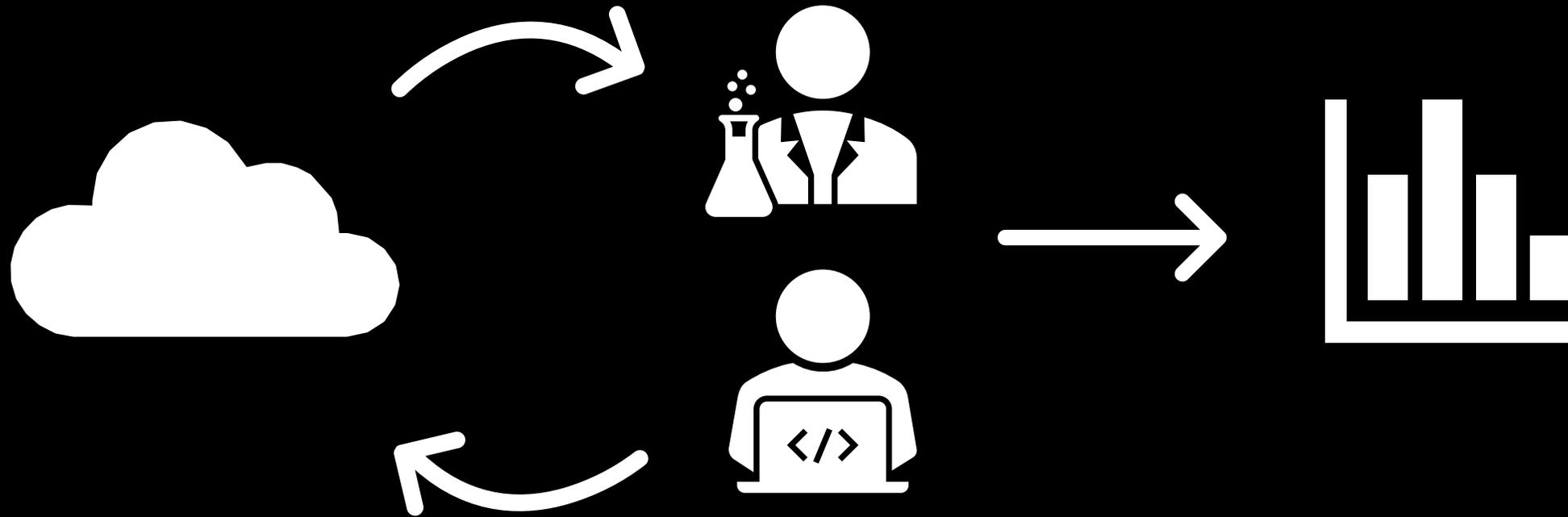


Bias

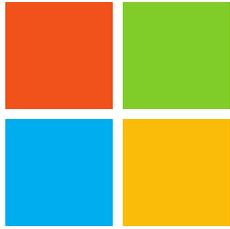
A composite image featuring a vintage typewriter on the left and a modern laptop keyboard on the right, both with hands typing. The background is a dark, textured surface. The text 'Model maintenance' is centered in white, sans-serif font.

Model
maintenance

Central banks must adopt new technologies



Central banks must partner

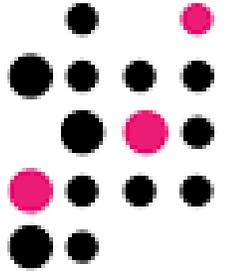


Microsoft



BANK OF CANADA
BANQUE DU CANADA

PIVOT



CREATIVE
DESTRUCTION LAB

Cerebri 





Thank you