

On A Mission! Educating Corporate IT About...

Managing Deep Learning Systems at Scale



Artificial Neural Networks that *perform well*

Enhancing EnterpriseSystems

End-to-End Data-to-Action (Developing, Deploying, Operating & Governing)

From stovepipe applications to analytic modules in systems



Twists & Shifts with DL re Qlik & Alteryx

- Rapid evolving & not evenly distributed
- Analytic literacy (AI, DL, ML, Stat) for everyone
- Shift from developing apps to deploying systems
- Shift from manual crafted logic to auto learning logic
- Lack of solid DataOps infrastructure
- Role of biz/data analyst is critical
- Bl vendors face painful strategic options re analytics

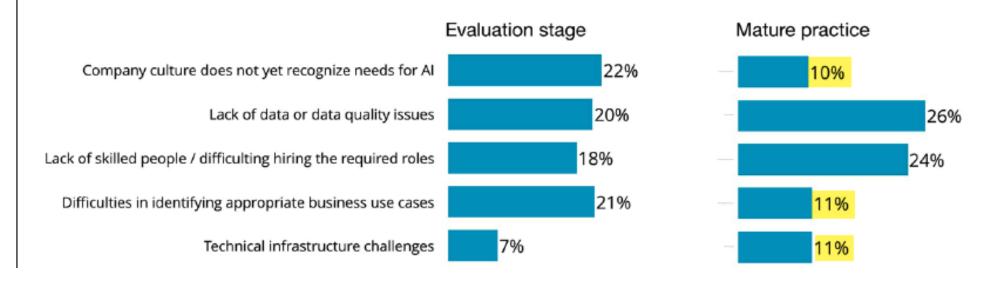


How Much Things Have Changed

- Strata survey with 1300 responses in Nov 2018
- Most IT companies are being left behind



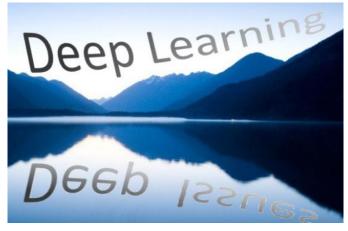
What is the main bottleneck holding back further AI adoption? (Select one.)

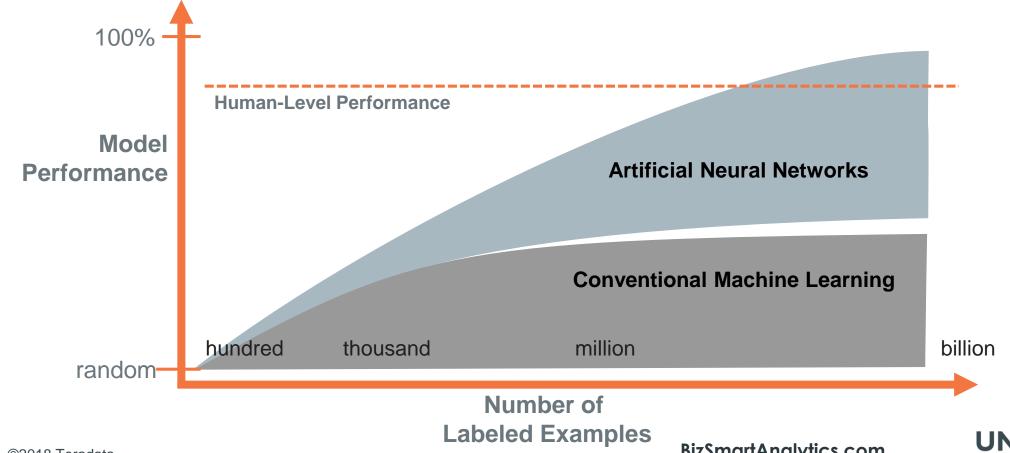




Strength (and Weakness) of DL

Whoever owns & manages lots of data wins!

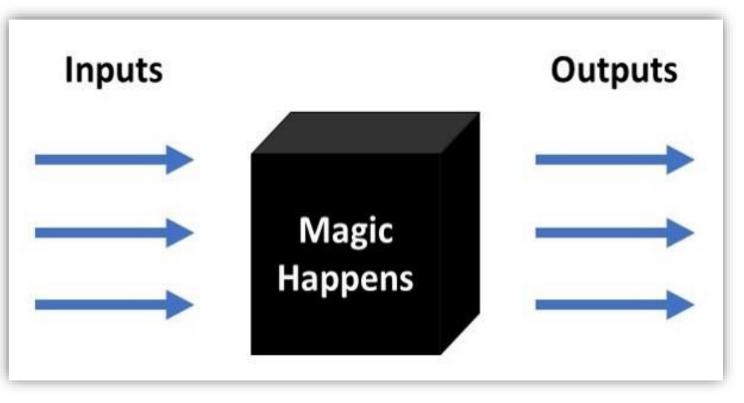




Manage to the Blackbox

- Magic happens inside neural networks!
- Managers: Focus on outputs and then inputs. Biz use case?
- HOWEVER... not your usual inputs <u>and</u> outputs

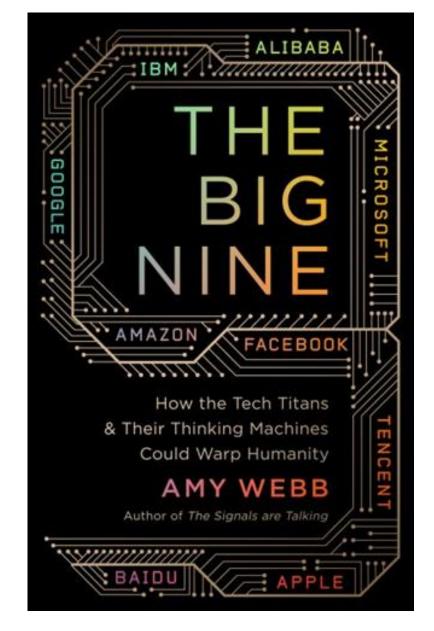






The Big Nine by Amy Webb

- Fact-full, non-tech, controversial book!
- Al (deep learning) driven by Tech Titans...
 Google, Microsoft, Amazon, Facebook,
 IBM, Apple, Baidu, Alibaba, Tencent
- Lots of economic, political, social, ethical issues to which we <u>must</u> pay attention





Take-Aways for Managers

- Educate everyone on basic analytic literacy.
- Manage to the Black-Box, defining output & then inputs.
- Be creative & precise about defining YOUR business use case
- Got the data? Owe it? Got DataOps infrastructure to manage it?
- Could you get the right data? Where's the signal? Have IoT?
- Understand legal, social and ethical implications of analytics.



Details and links available at BizSmartAnalytics.com

Thank you.



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