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#DOMINOREV

A nighttime photograph of a city skyline, likely New York City, featuring a bridge on the left and several illuminated skyscrapers, including the Freedom Tower, against a dark blue sky.

rev 2

**Best Practices for Advancing Human
Progress with Models**



Best practices for advancing human progress with models

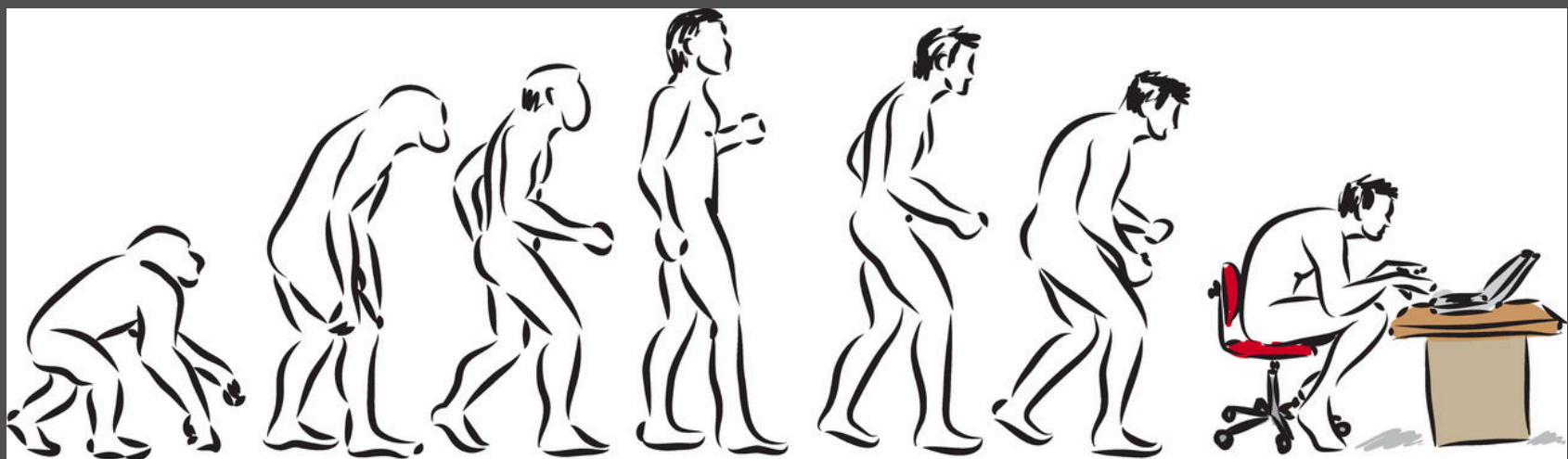
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- The importance and key considerations of building a data science community comprised of diverse backgrounds and skill sets
- How to recognize and communicate the impact of models and data science, and how to articulate that value to business stakeholders
- How tackle hard problems in human ways by upskilling domain experts
- Cautions and mitigation strategies around giving non-technical users access to data science technologies (medium blog on current Microsoft stuff)
- Analogies between the federal and commercial sectors, and how they can learn from each other

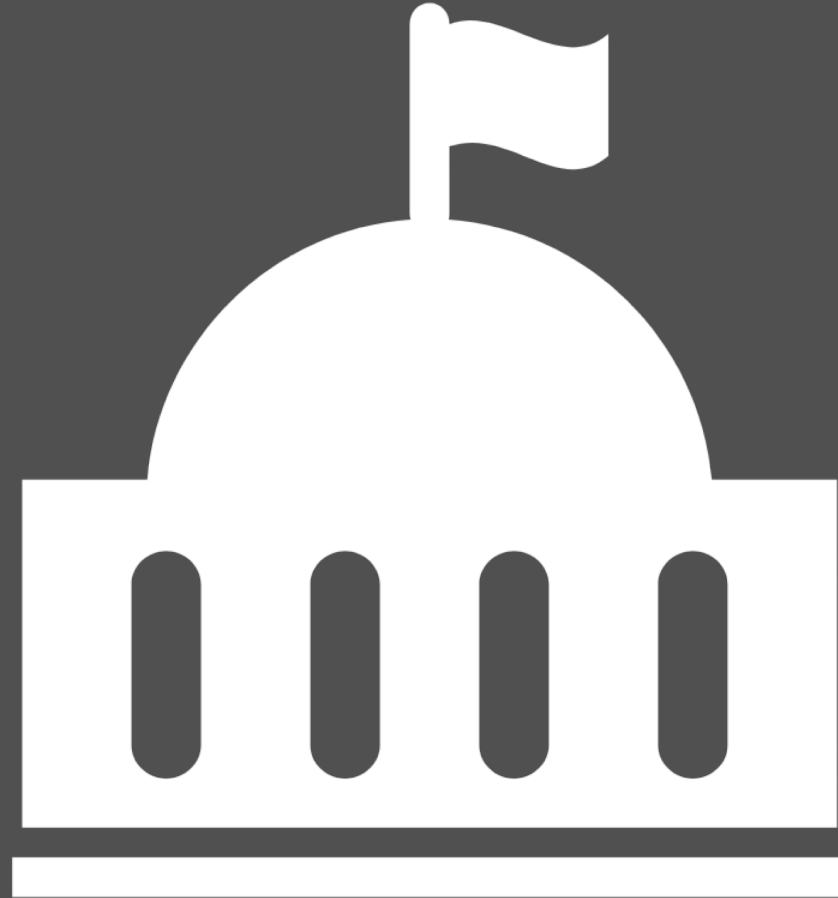
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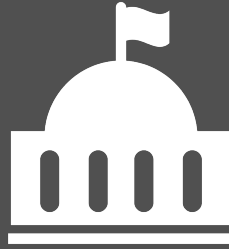


GEORGETOWN UNIVERSITY

THE GEORGE
WASHINGTON
UNIVERSITY

WASHINGTON, DC





Government

Social Value

Efficiency != profit

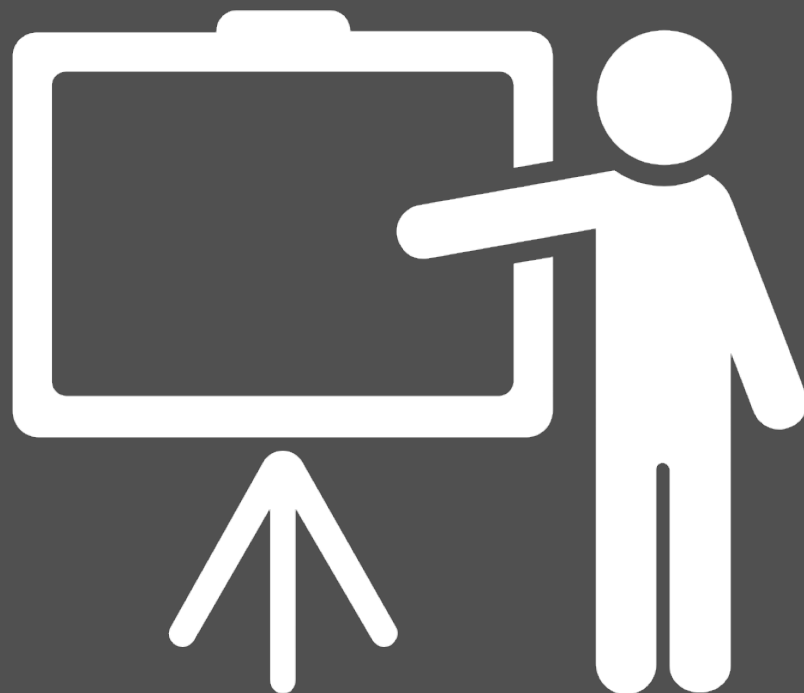
Solves problems that industry can't/won't

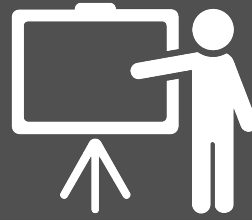
Leading the government is far more difficult; many powerful and often conflicting interests

Government is adopting best practices from industry and is attracting new talent









Upskilling

Technical skills

Communication skills

Business skills





Community

Collective learning opportunities

Knowledge sharing and cross-pollination

Finding and vetting people

Inclusivity

Support system





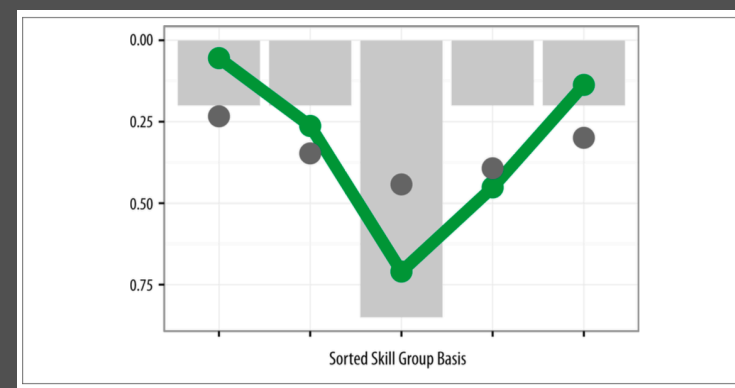
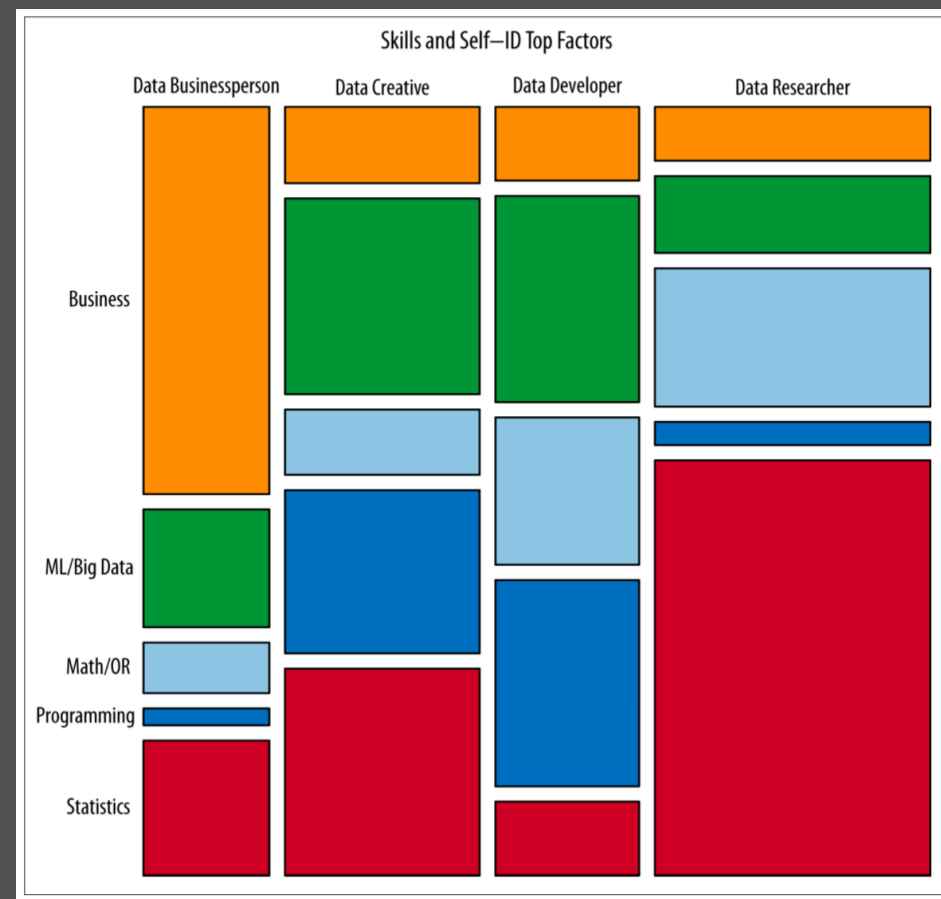
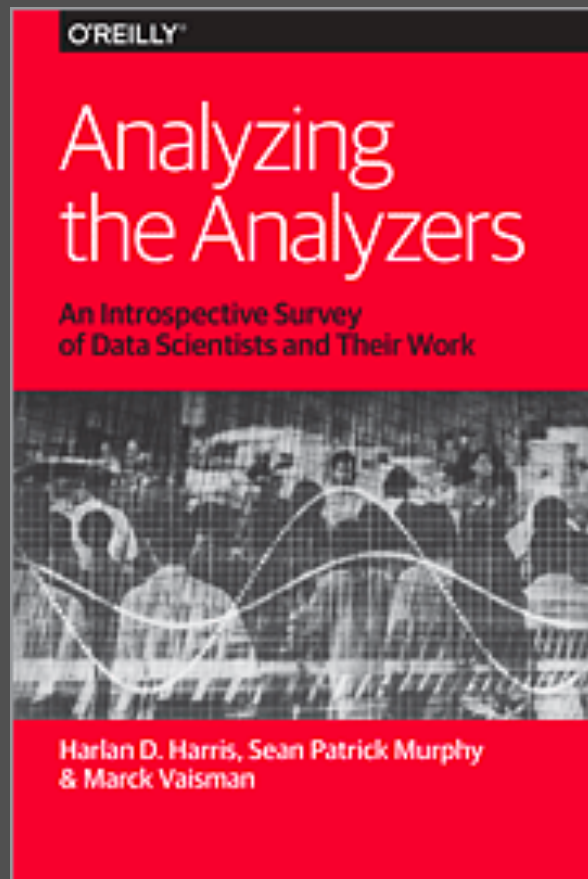
Leadership & Management

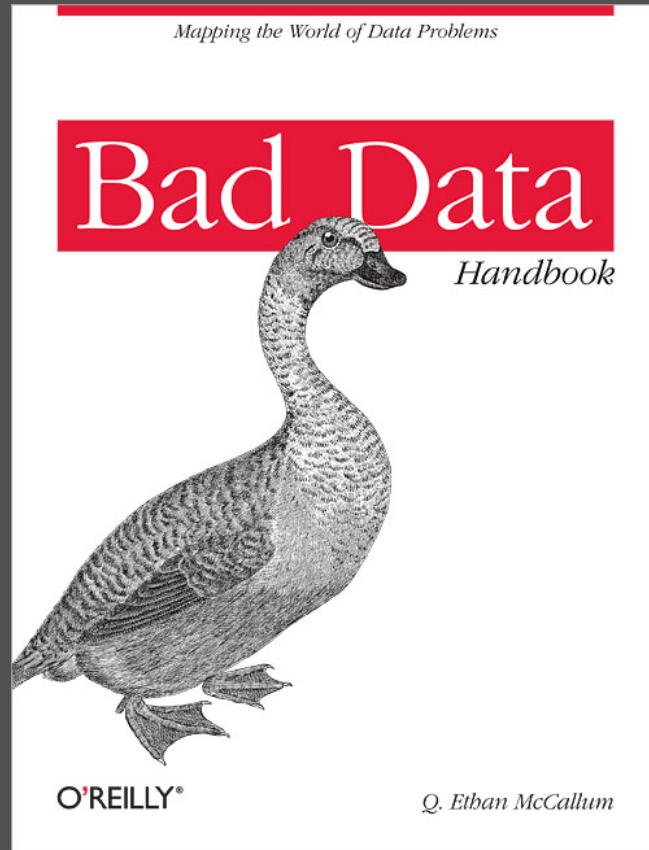
Support your local data community

Provide context: data science is just a piece of the puzzle

Build a T-shaped team

Value curiosity, communication and tenacity





- I. Know nothing about thy data
- II. Thou shalt provide your data scientists with a single tool for all tasks
- III. Thou shalt analyze for analysis' sake one
- IV. Thou shalt compartmentalize learnings
- V. Thou shalt expect omnipotence from data scientists



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