Data Science Applications

27 January 2020

The world is experiencing a transformation
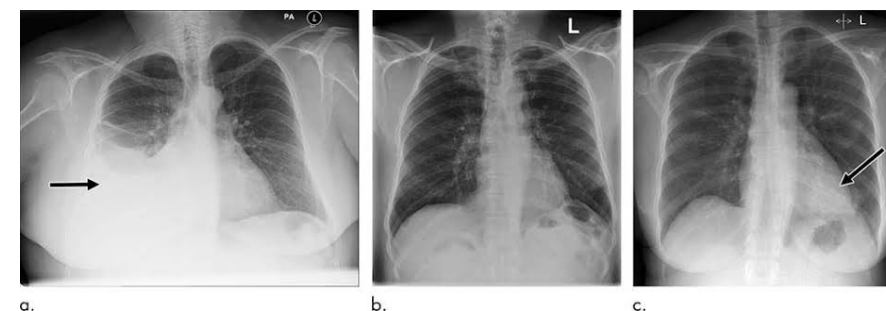
Every transformation comes with horror stories

"Driver killed while self-driving Tesla car on autopilot"

"Data Scientists are quiting their jobs"

"AI and the end of humanity"

"AI will replace you"

"Data Science is fraud"

Should we be worried?

Spoiler alert: NO

According to PwC:

"Artificial intelligence will create more jobs than it destroys... Except in more administrative jobs..."

Google Trends:

● Data Science

● Big Data
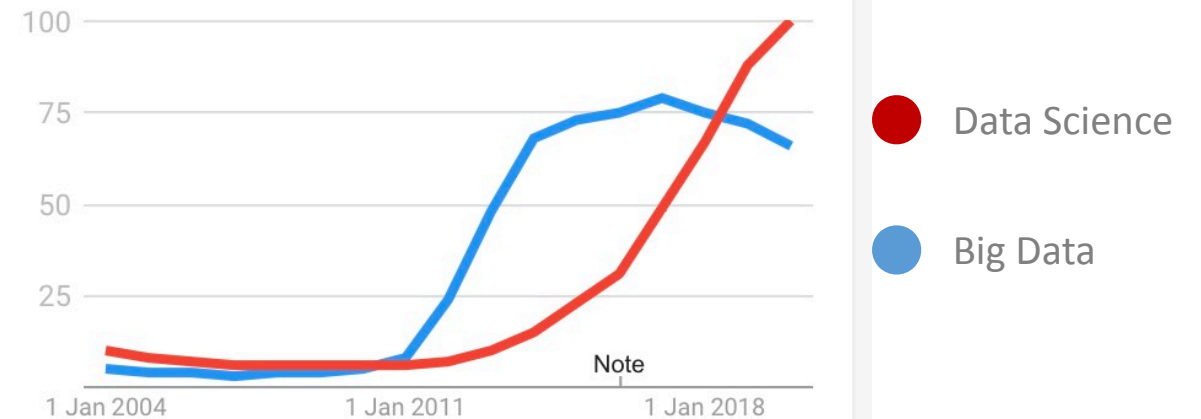
What people thinks a Data Scientist looks like?

Normal People

"The data guy"

"Isolated"

"Not a talking person"

"The smartest in the room"

"Very shy"

Pessimists

Here's to the future ruler of... THE WORLD!

Data Scientists are real Business Heroes

"They are the link between Bussiness and Science"

Effective Communication

Critical Thinking

Proactive Problem Solving
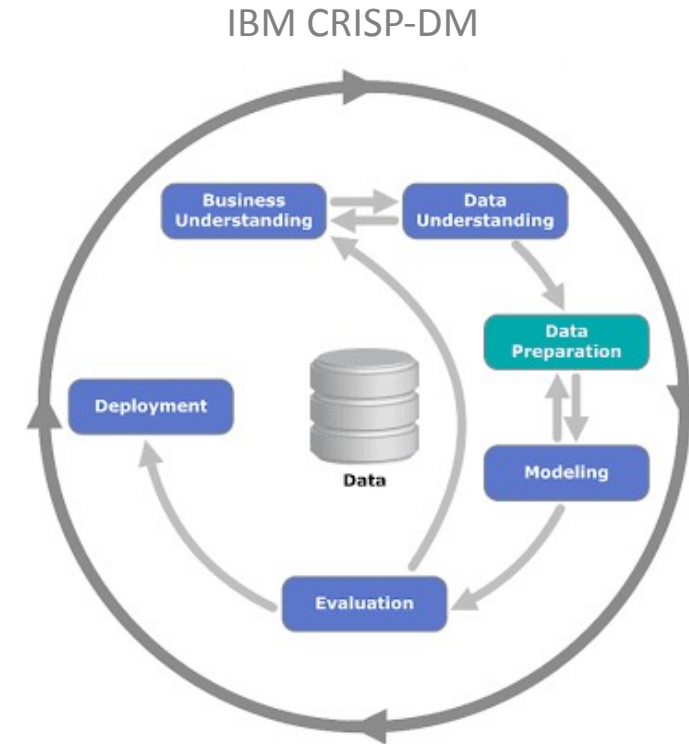
Intellectual Curiosity
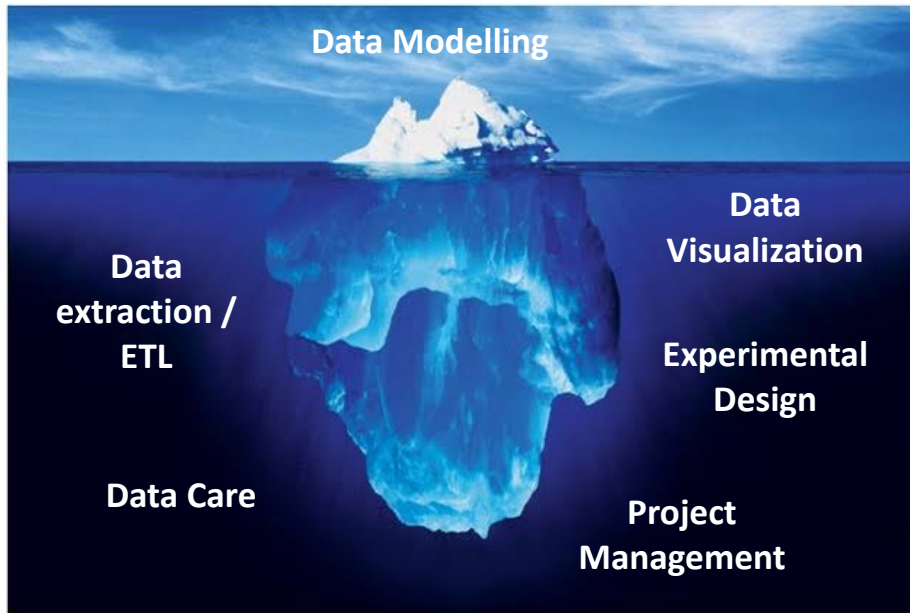
Business Sense

Advanced Programming

Proper use of math/statistics
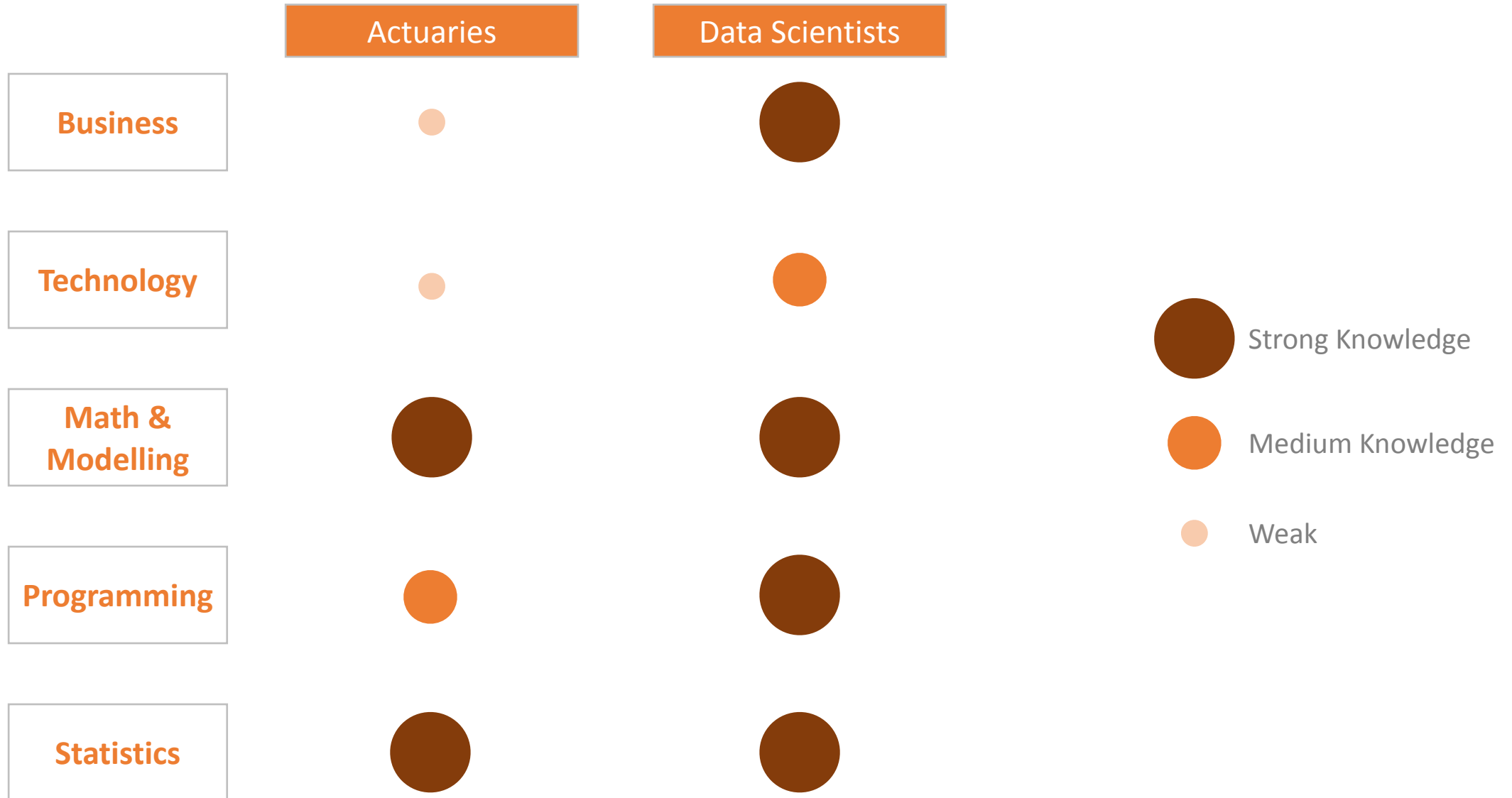
Implementation and Innovation

Data Science is the use of the scientific method for business

Data Modelling

Data extraction / ETL
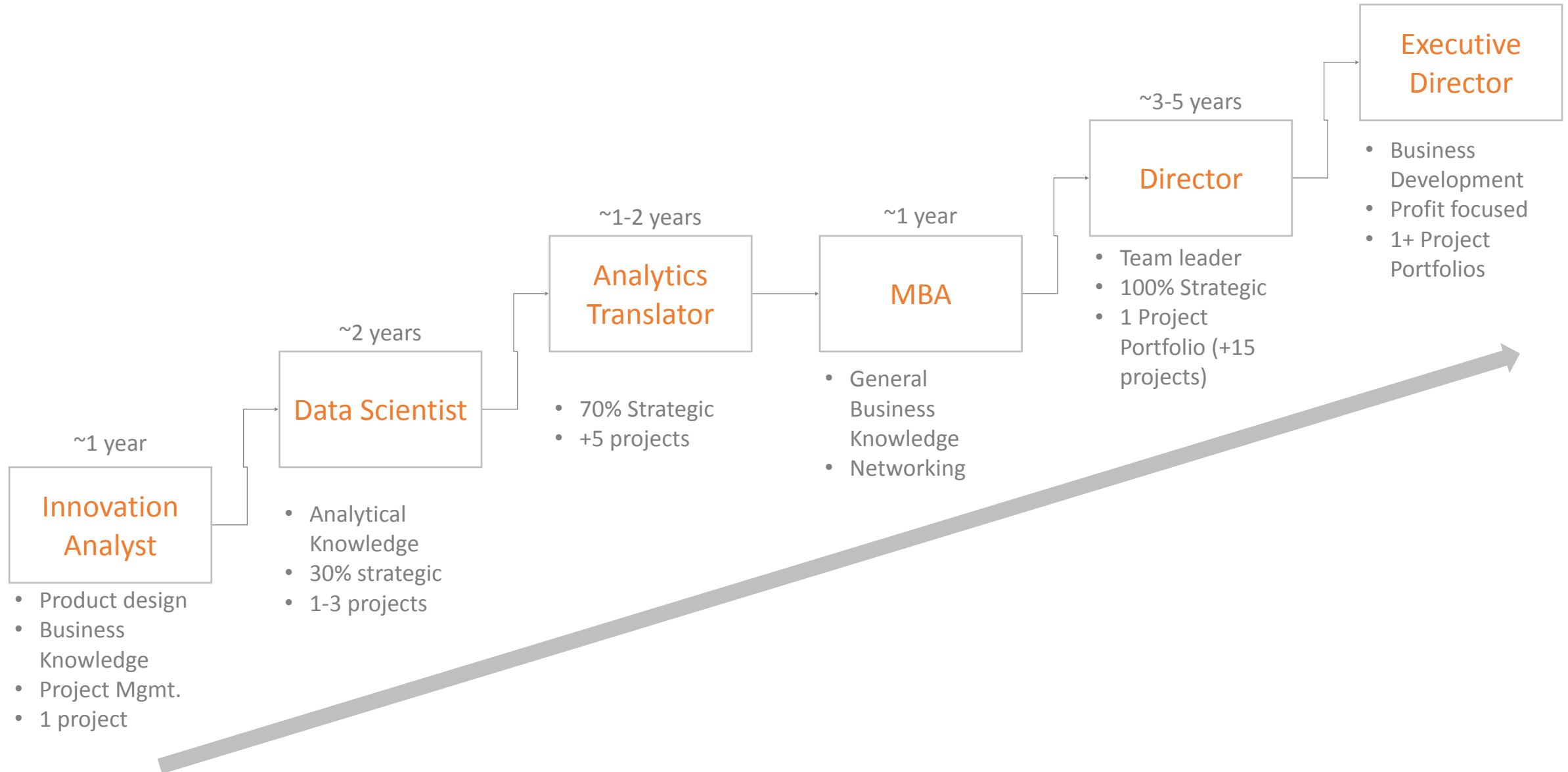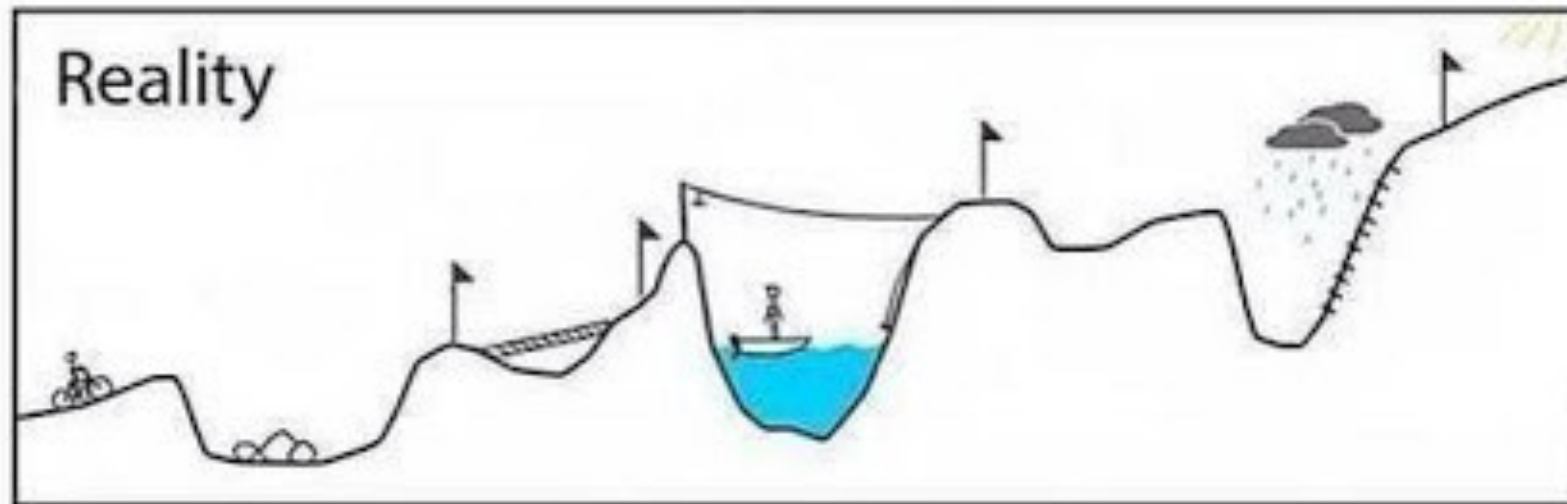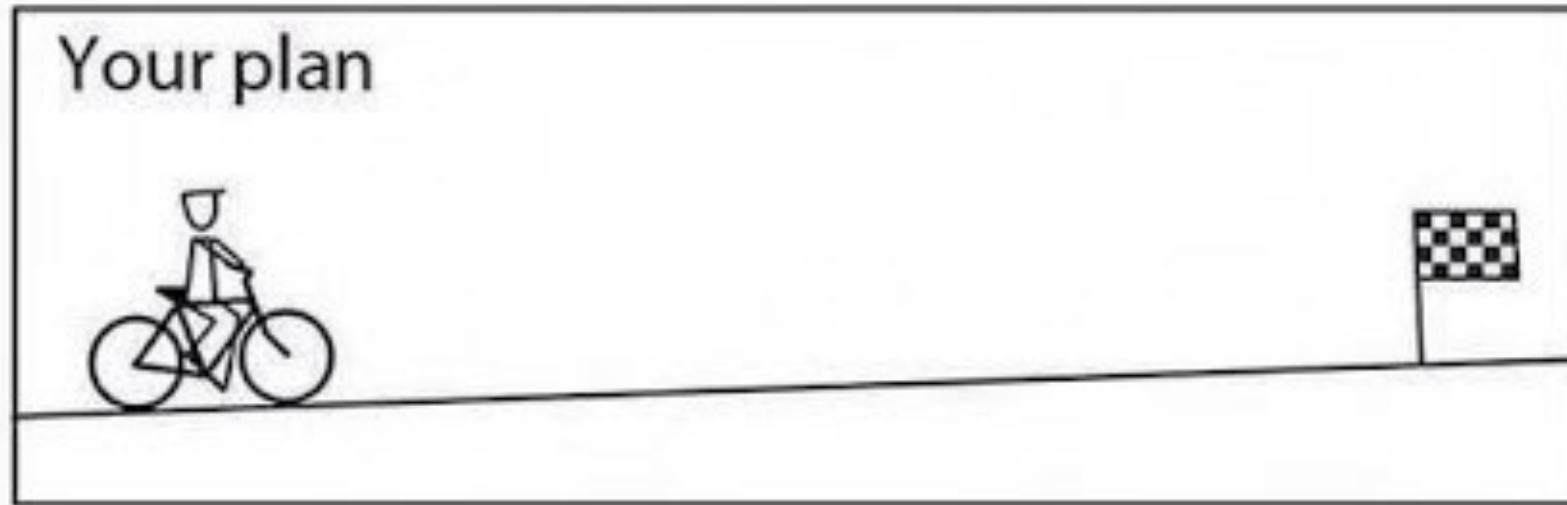
Data Visualization

Experimental Design

Data Care

Project Management

IBM CRISP-DM

Business Understanding

Data Understanding

Data Preparation

Modeling

Evaluation

Deployment

Data

Level of Expertise – Actuaries vs Data Scientists

My Career Path

Innovation Analyst

~1 year

- Product design
- Business Knowledge
- Project Mgmt.
- 1 project

Data Scientist

~2 years

- Analytical Knowledge
- 30% strategic
- 1-3 projects

Analytics Translator

~1-2 years

- 70% Strategic
- +5 projects

MBA

~1 year

- General Business Knowledge
- Networking

Director

~3-5 years

- Team leader
- 100% Strategic
- 1 Project Portfolio (+15 projects)

Executive Director

- Business Development
- Profit focused
- 1+ Project Portfolios

Career Plan – The ugly truth

My final message: Stay curious and act ethical

Carl Sagan

"Science is more than a body of knowledge. It's a way of thinking, a way of skeptically interrogating the universe."

Uncle Ben

"With great power, comes great responsibility."