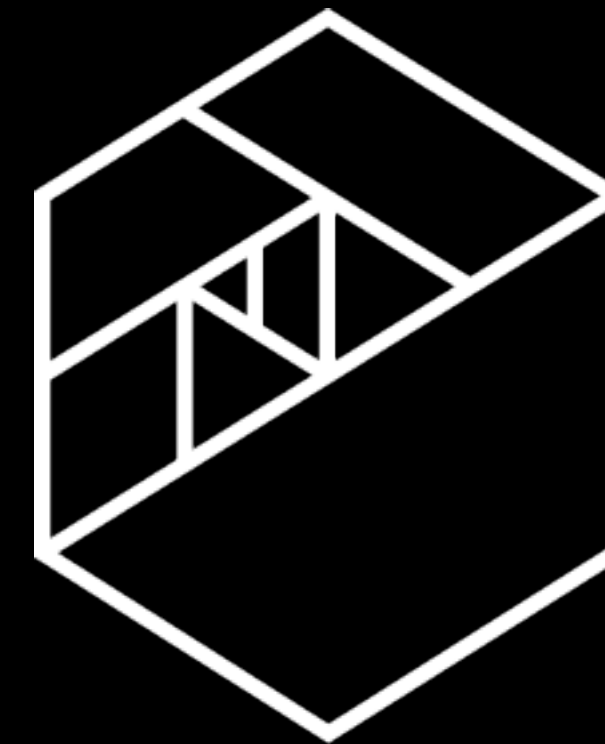


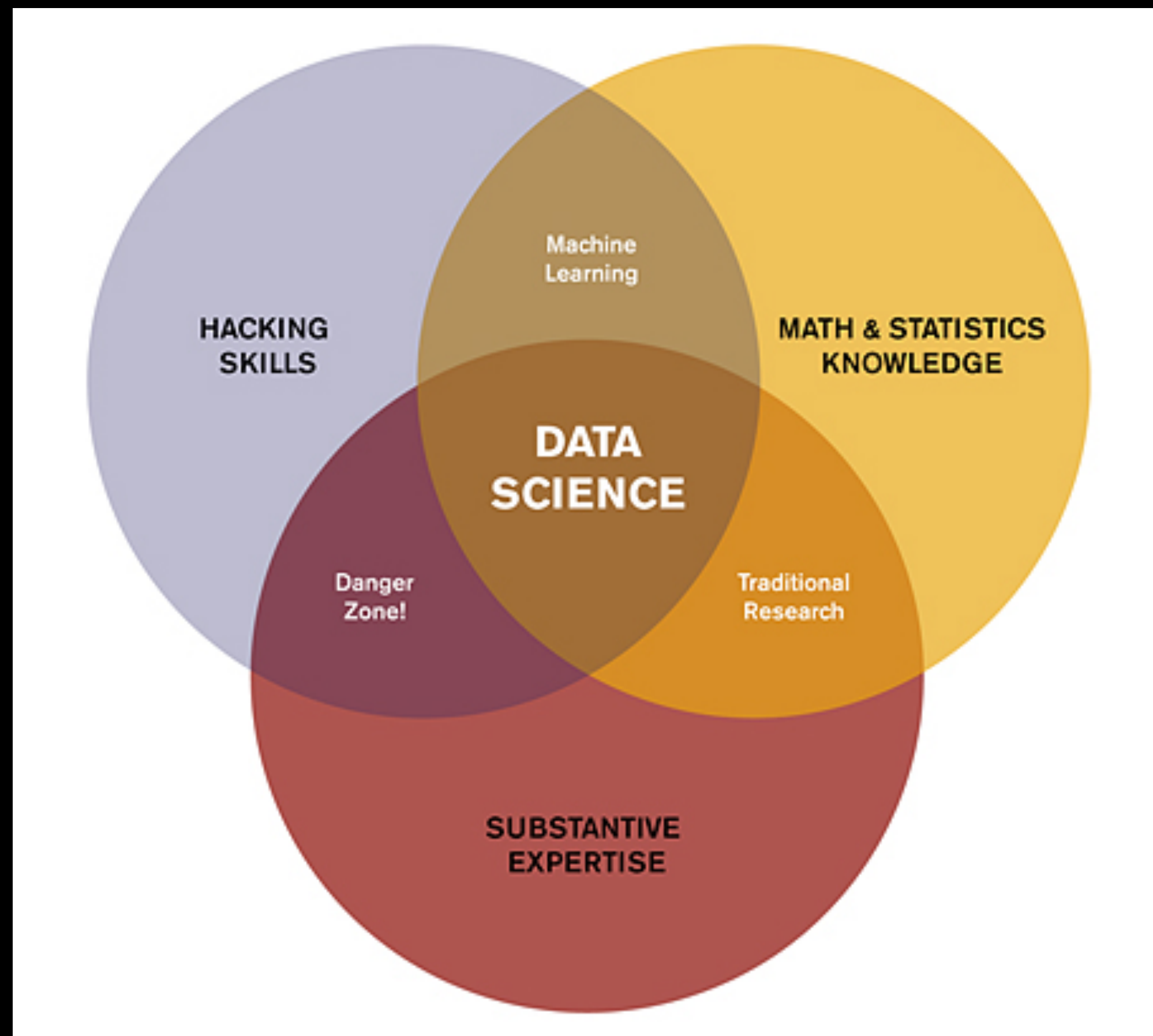
What is a Data Scientist

And how will you become one?

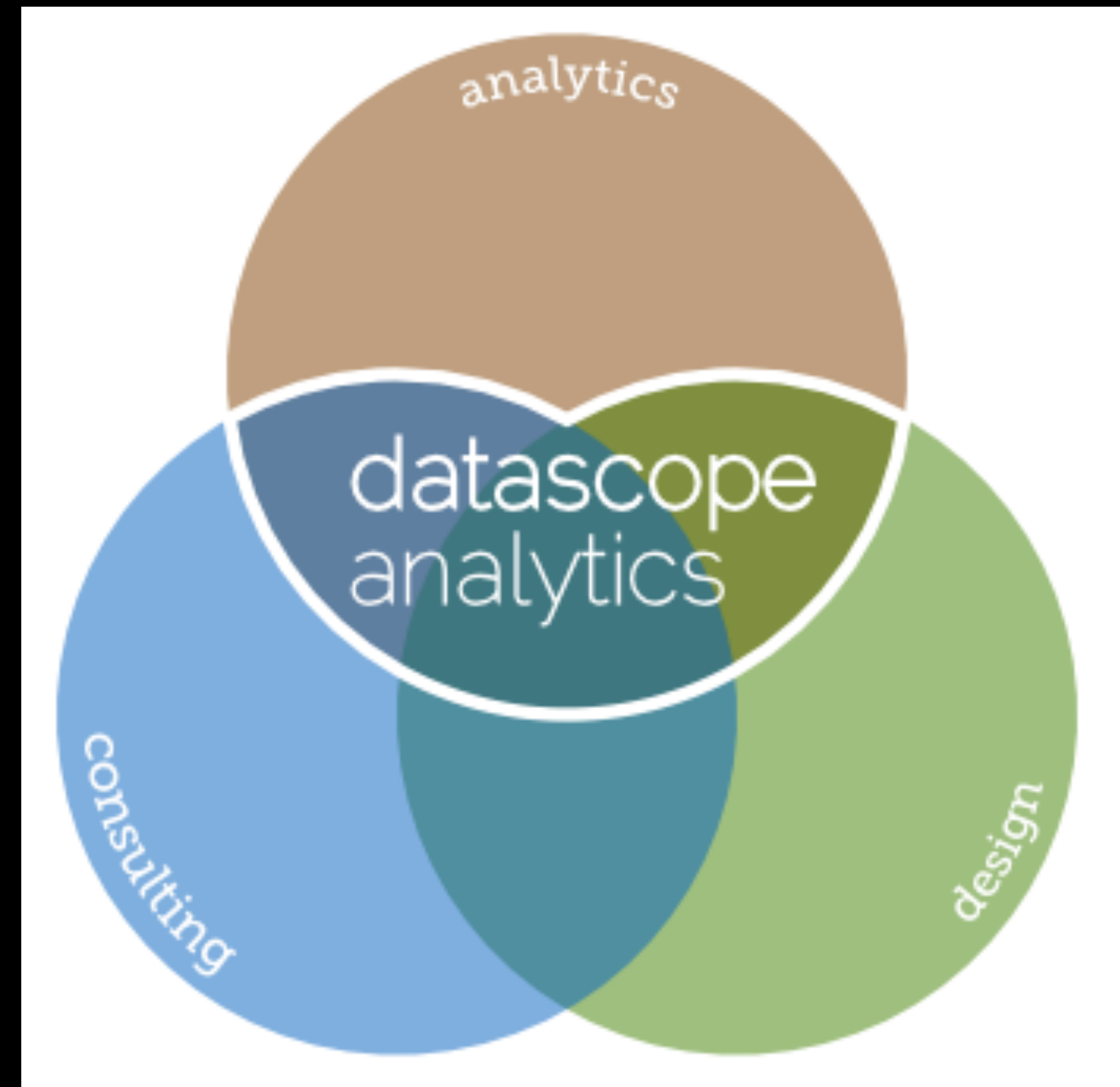


METIS

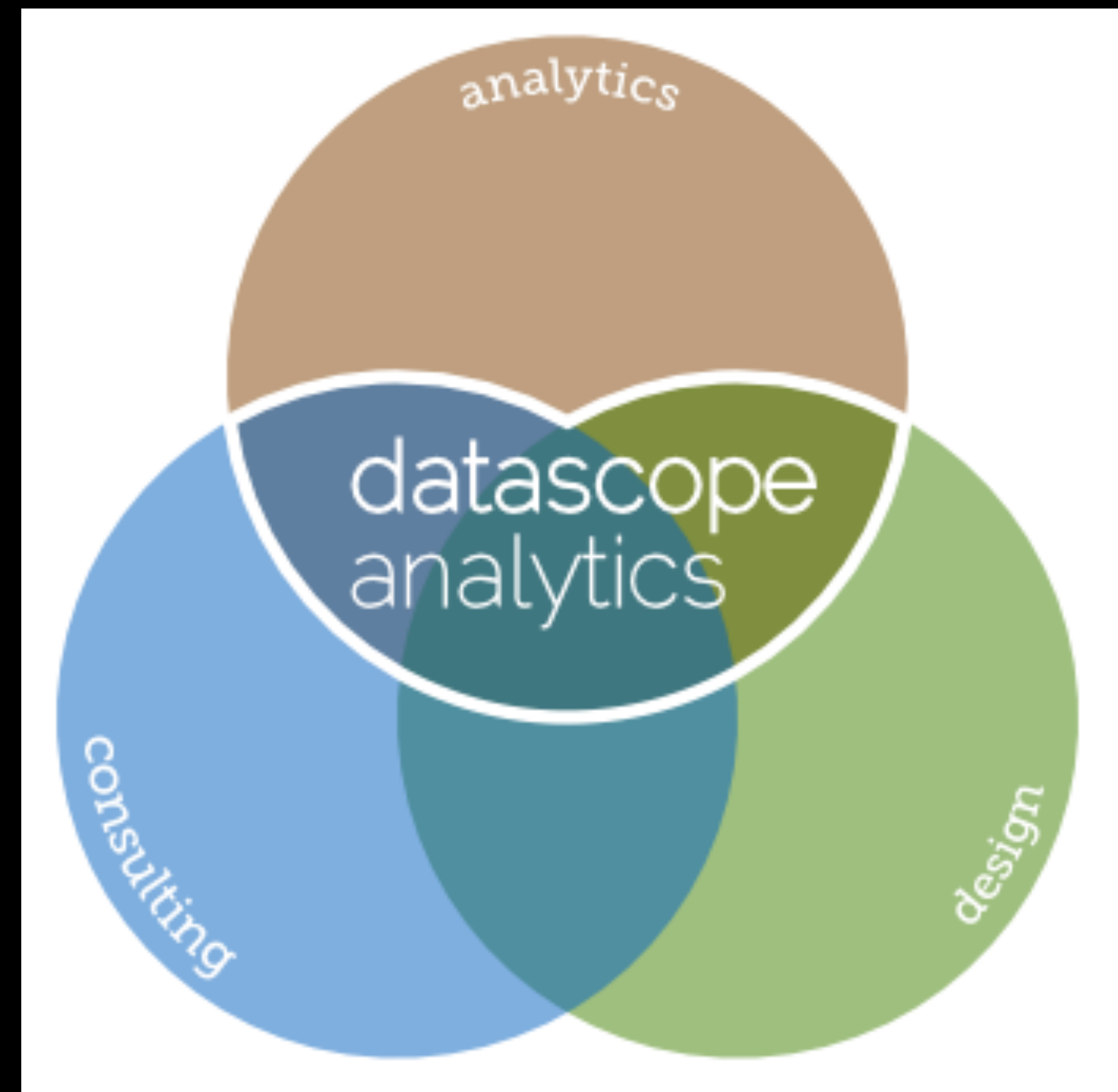
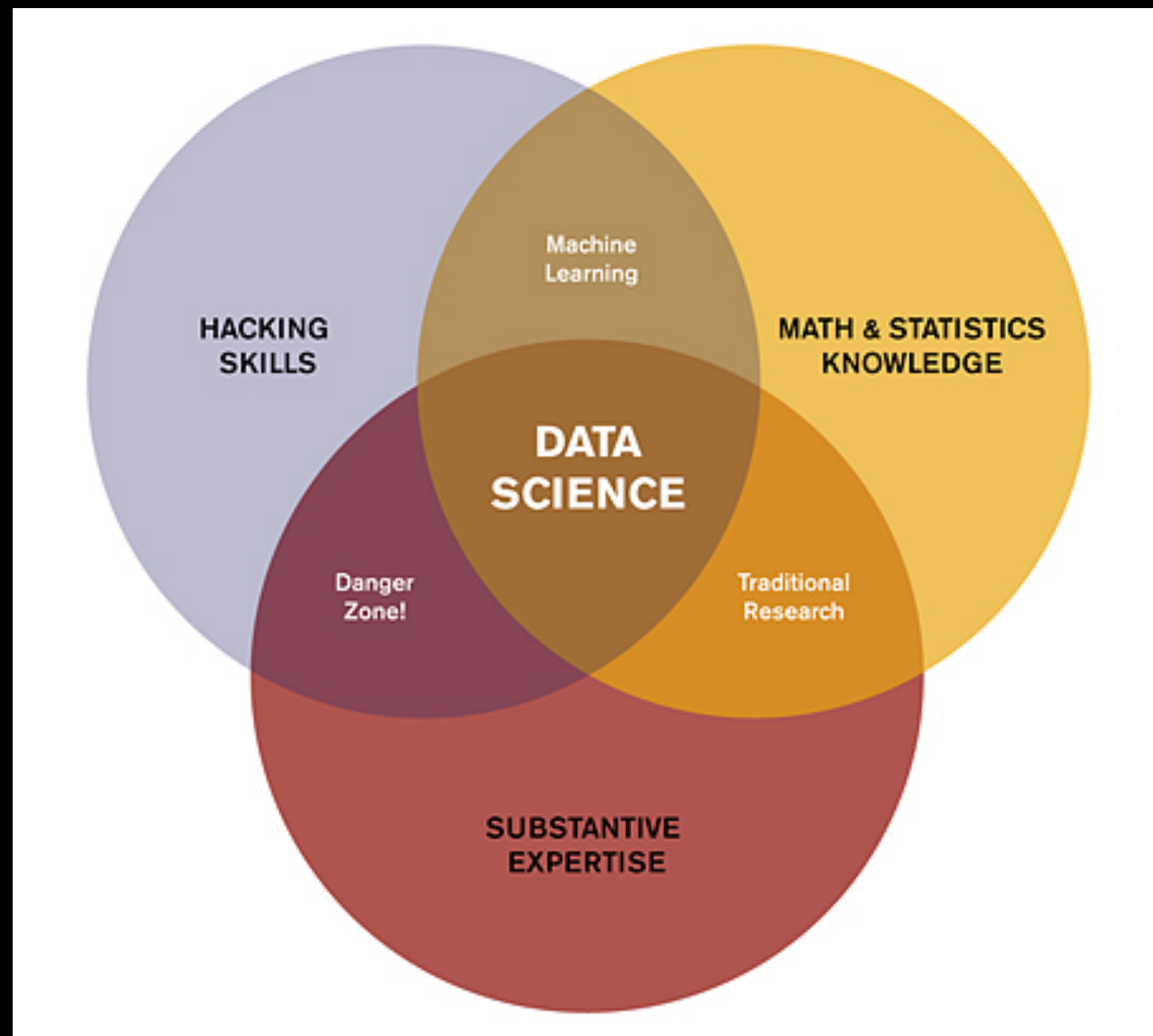
So... what is a data scientist?



So... what is a data scientist?



So... what is a data scientist?

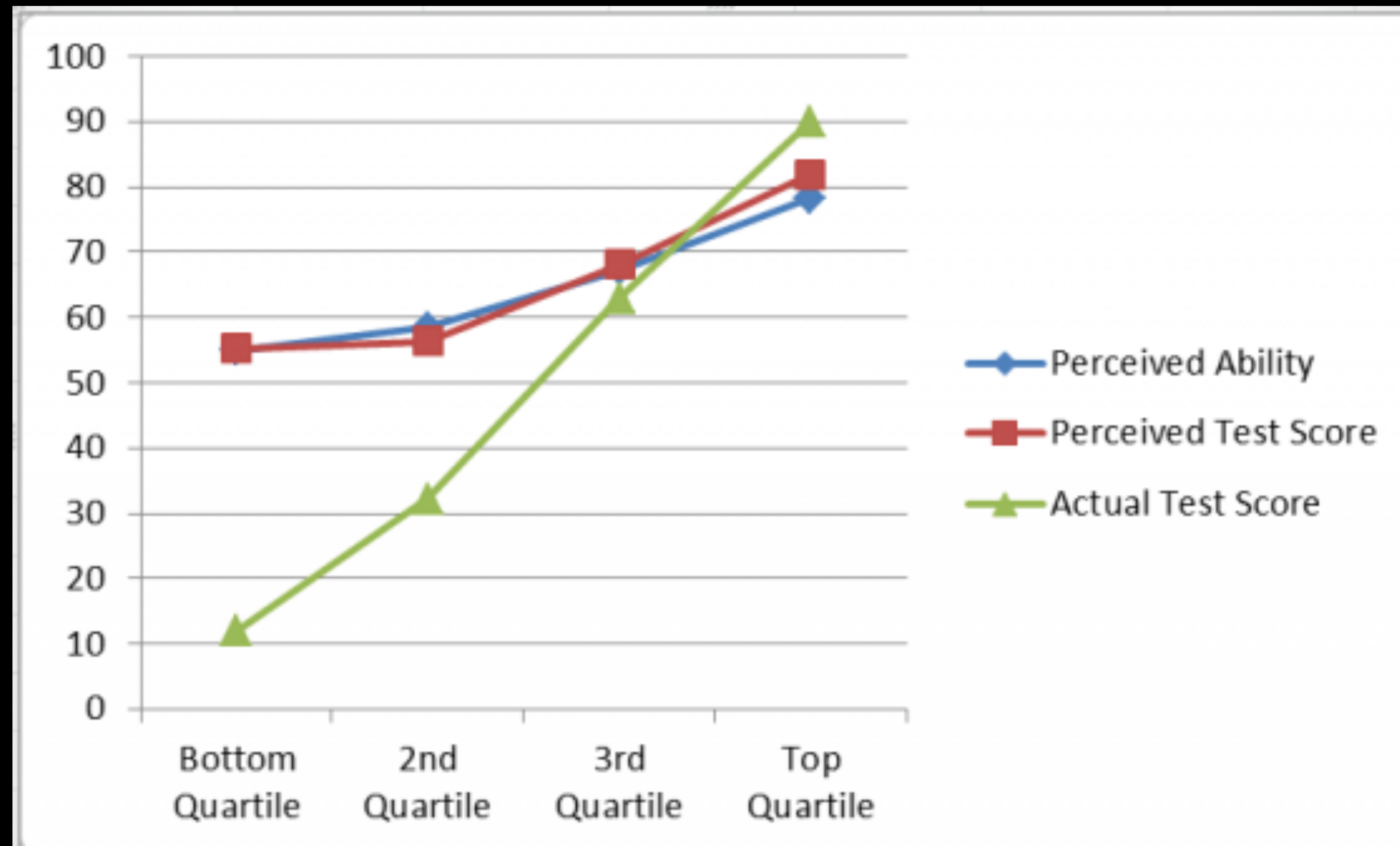


Skill domains of a data scientist

Statistics / Machine Learning
Programming
Communication
Design



Fighting the Dunning-Kruger effect



Who can be a data scientist?

Personality Traits

Who can be a data scientist?

Personality Traits

- Curiosity
- Creativity
- Grit

Who can be a data scientist?

Personality Traits

Continuous drive to learn

Creativity

Grit

Who can be a data scientist?

Personality Traits

- Continuous drive to learn
- Tons of different angles & ideas
- Grit

Who can be a data scientist?

Personality Traits

Continuous drive to learn
Tons of different angles & ideas
Ability to push through walls

Who can be a data scientist?

Personality Traits

Continuous drive to learn
Tons of different angles & ideas
Ability to push through walls
Integrity

Who can be a data scientist?

Personality Traits

Continuous drive to learn

Tons of different angles & ideas

Ability to push through walls

Integrity

Humility

For the next three months, you will have...



- Focused time
- Peer and community support
- Placement managers, hiring partners
- Experienced practitioner-instructors

Bootcamp model



Training
Repetition
Culture/community

Training

Skills

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Training

Skills

Obtain
Scrub
Explore
Model
iNterpret

Training

Skills

Obtain

Scrub

Explore

Model

iNterpret

Communicate

Training

Skills → tools

Data acquisition

Data exploration

Machine learning & statistics

Computer science

Web

Visualization

Domain awareness

Training

Tool selection

Comfort & facility with a core toolbox
Awareness of options
Some curveballs

Training

Tools

Python when possible

Training

Python, ipython notebook, git/github

Tools

Training

Python, ipython notebook, git/github
BeautifulSoup, selenium, cron

Tools

Training

Python, ipython notebook, git/github

BeautifulSoup, selenium, cron

Tools

(flatfiles),MySQL, mongoDB

Training

Python, ipython notebook, git/github

BeautifulSoup, selenium, cron

Tools

(flatfiles),MySQL, mongoDB

numpy-scipy-matplotlib, pandas

Training

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Tools

(flatfiles),MySQL, mongoDB

numpy-scipy-matplotlib, pandas

statsmodels, scikit-learn

Training

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BeautifulSoup, selenium, cron

Tools

(flatfiles),MySQL, mongoDB

numpy-scipy-matplotlib, pandas

statsmodels, scikit-learn

HTML, CSS, js, d3.js

Training

Python, ipython notebook, git/github

BeautifulSoup, selenium, cron

Tools

(flatfiles),MySQL, mongoDB

numpy-scipy-matplotlib, pandas

statsmodels, scikit-learn

HTML, CSS, js, d3.js

DigitalOcean, Flask

Training

Python, ipython notebook, git/github

BeautifulSoup, selenium, cron

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(flatfiles),MySQL, mongoDB

numpy-scipy-matplotlib, pandas

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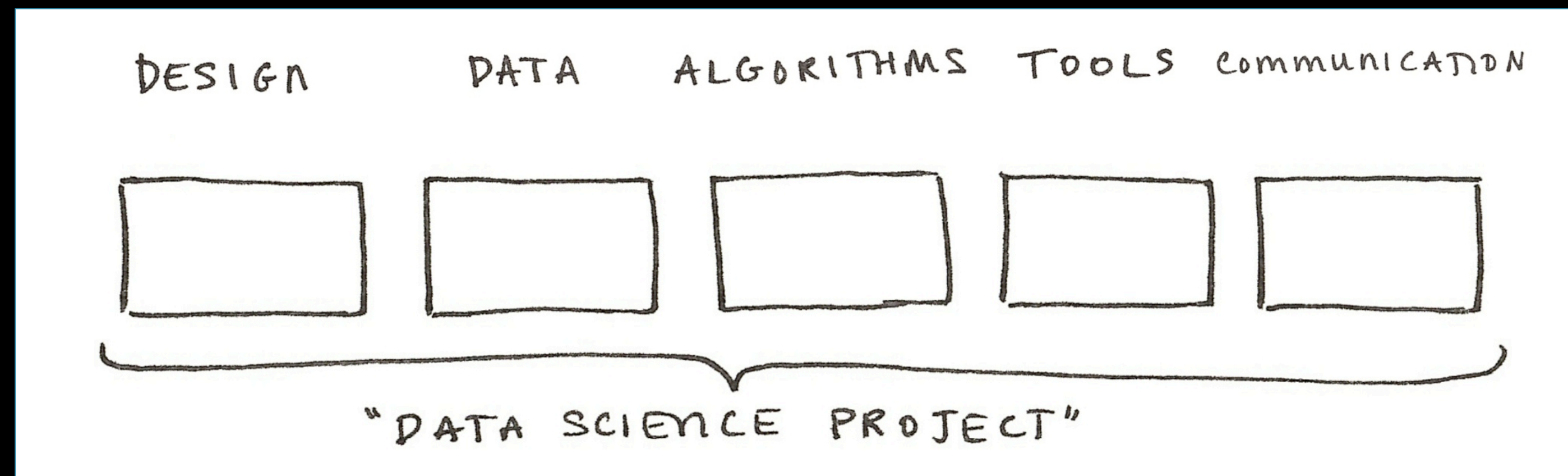
HTML, CSS, js, d3.js

DigitalOcean, Flask

google

Repetition

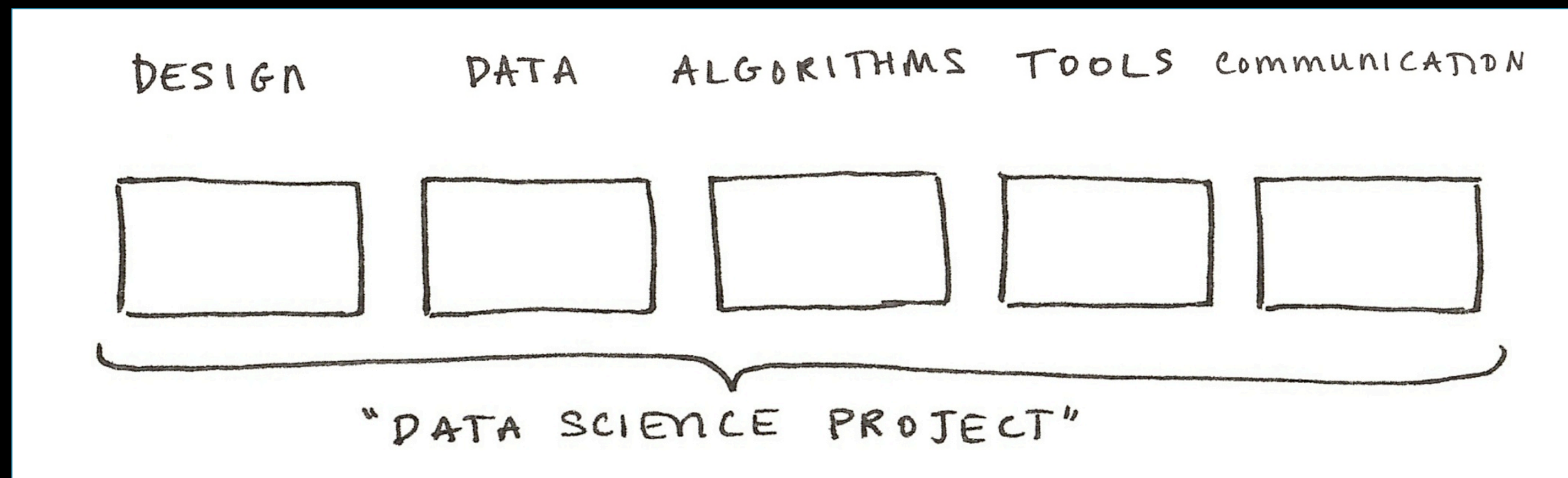
Project-based model



Repetition

Project-based model

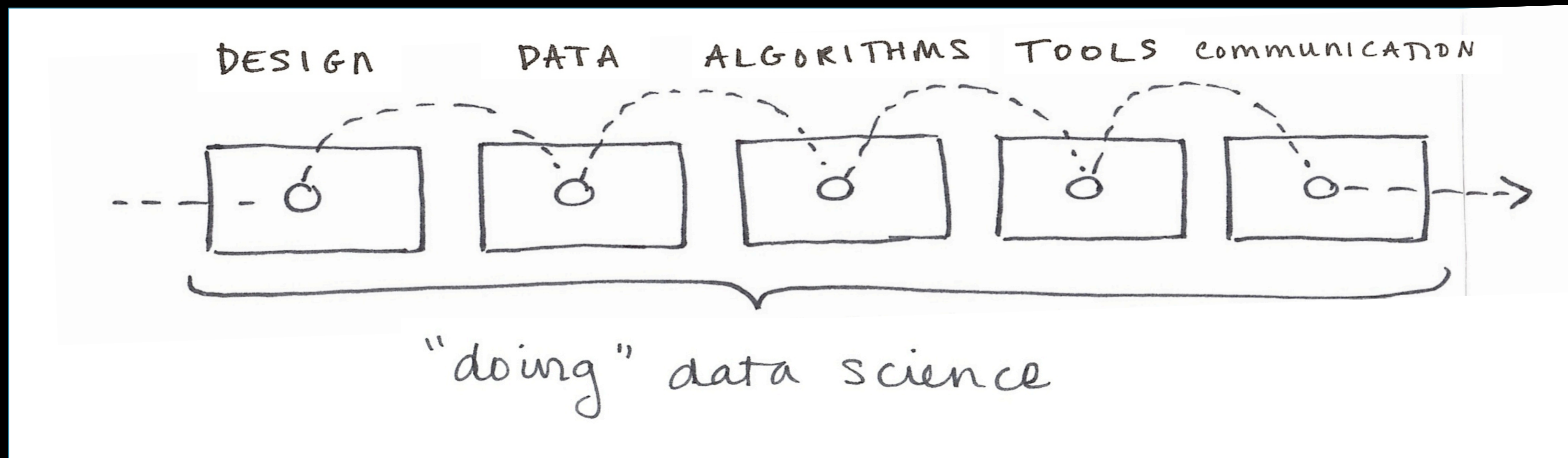
Unit of repetition should be *the practice of doing data science*



Repetition

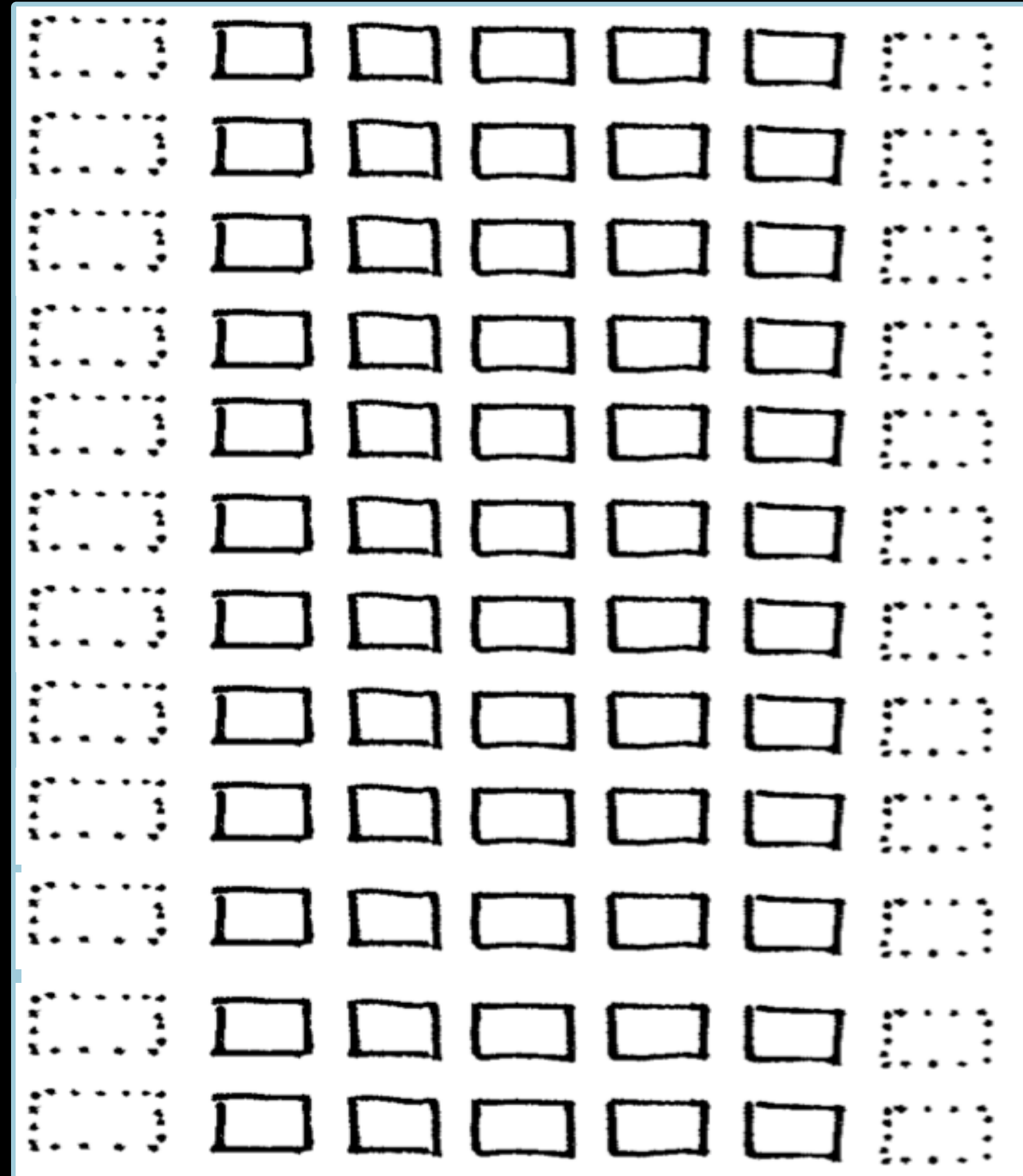
Project-based model

Unit of repetition should be *the practice of doing data science*



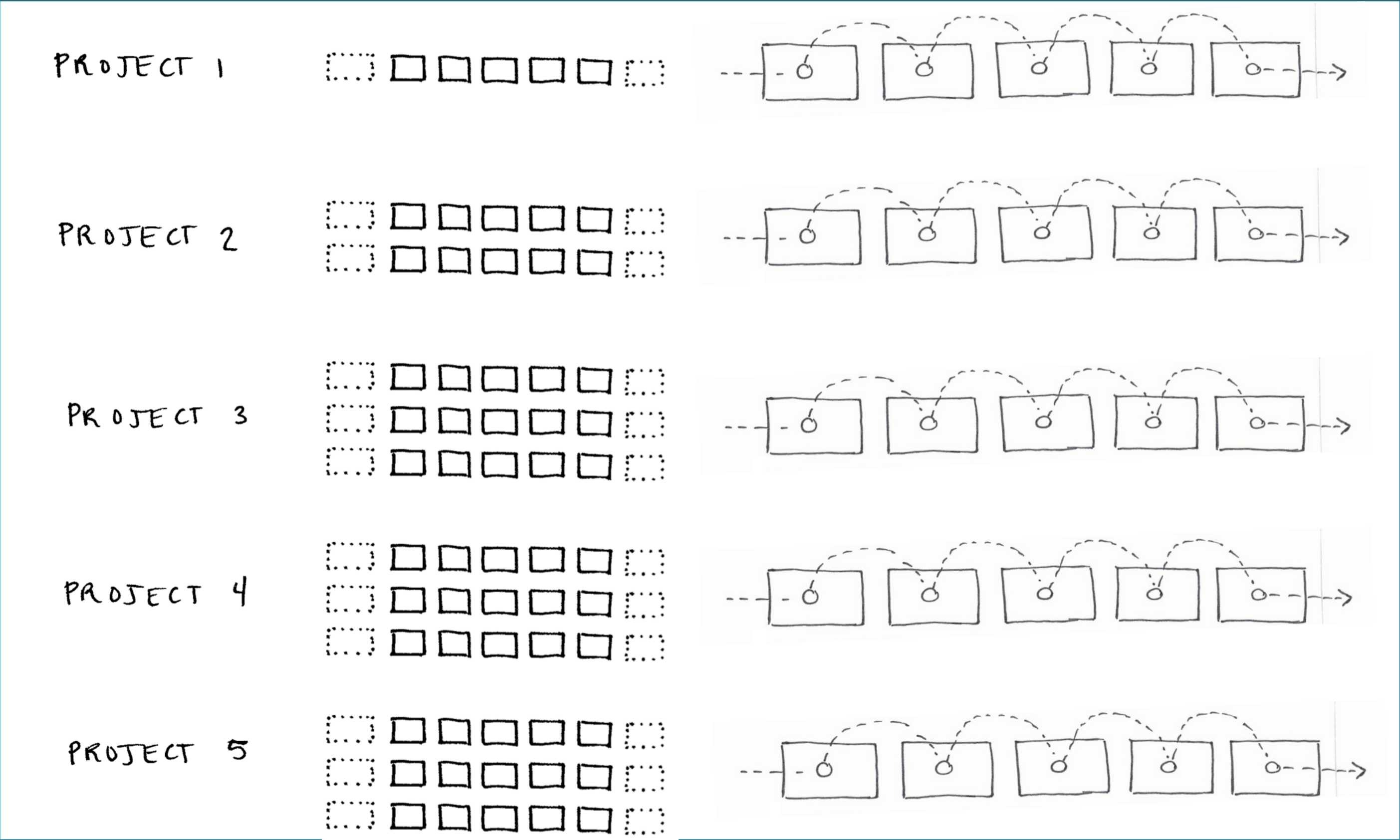
Repetition

Partitioning 12 weeks



Repetition

Partitioning 12 weeks



Culture & Community

Must overcome:

Impostor syndrome

Perfectionism

Culture & Community

Must overcome:

Impostor syndrome
group work
communication

Culture & Community

Must overcome:

Perfectionism

unfairly short deadlines

jumping into the unfamiliar

presenting projects

Culture & Community

Becoming data scientists

Mixture of group and individual work

Guest speakers and meetups

Hiring partners

That's it. Let's jump right in.