How does data science happen? :

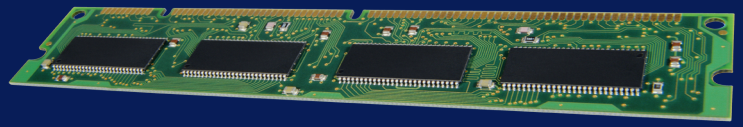
Five P’s of Data Science

People

?

Purpose

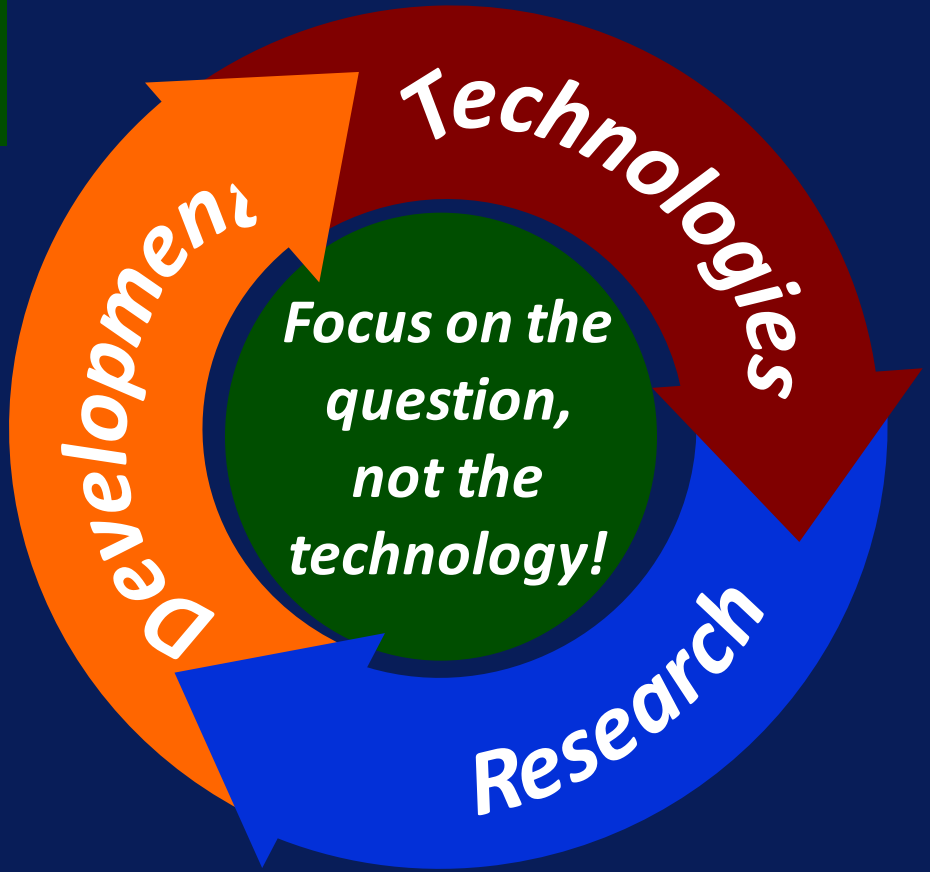
Process



Platforms

Programmability

Purpose


Technologies
Research
Development
Focus on the question, not the technology!

Rate of Spread and Direction

Let’s not dive into the techniques yet! What is the problem at large? How do you see yourself solving it?

Components of Data Science

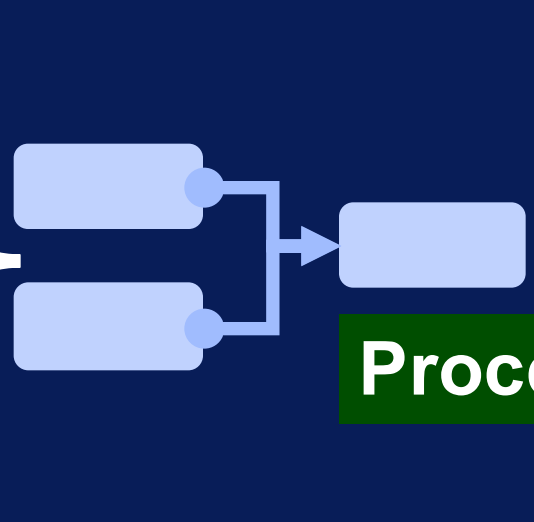
People

Purpose

People

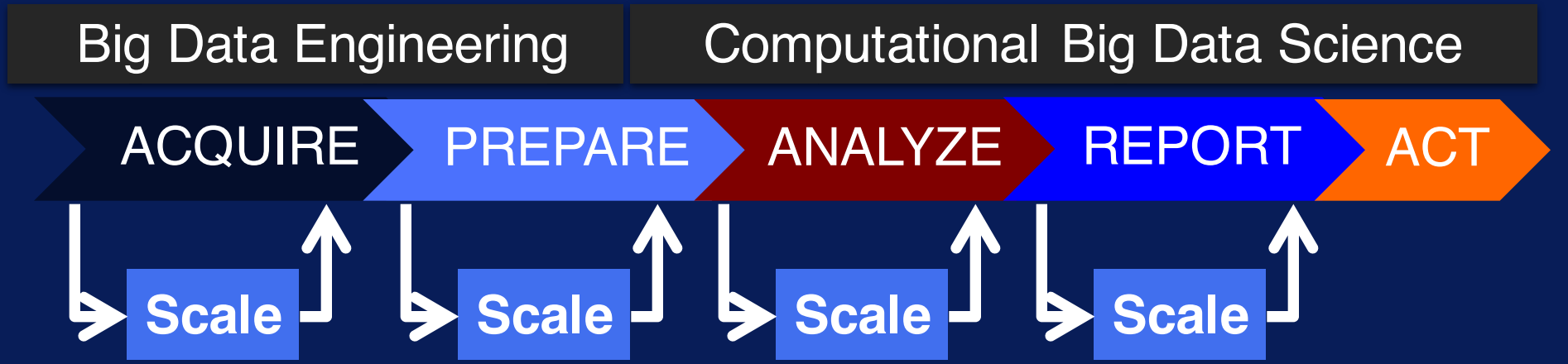
?

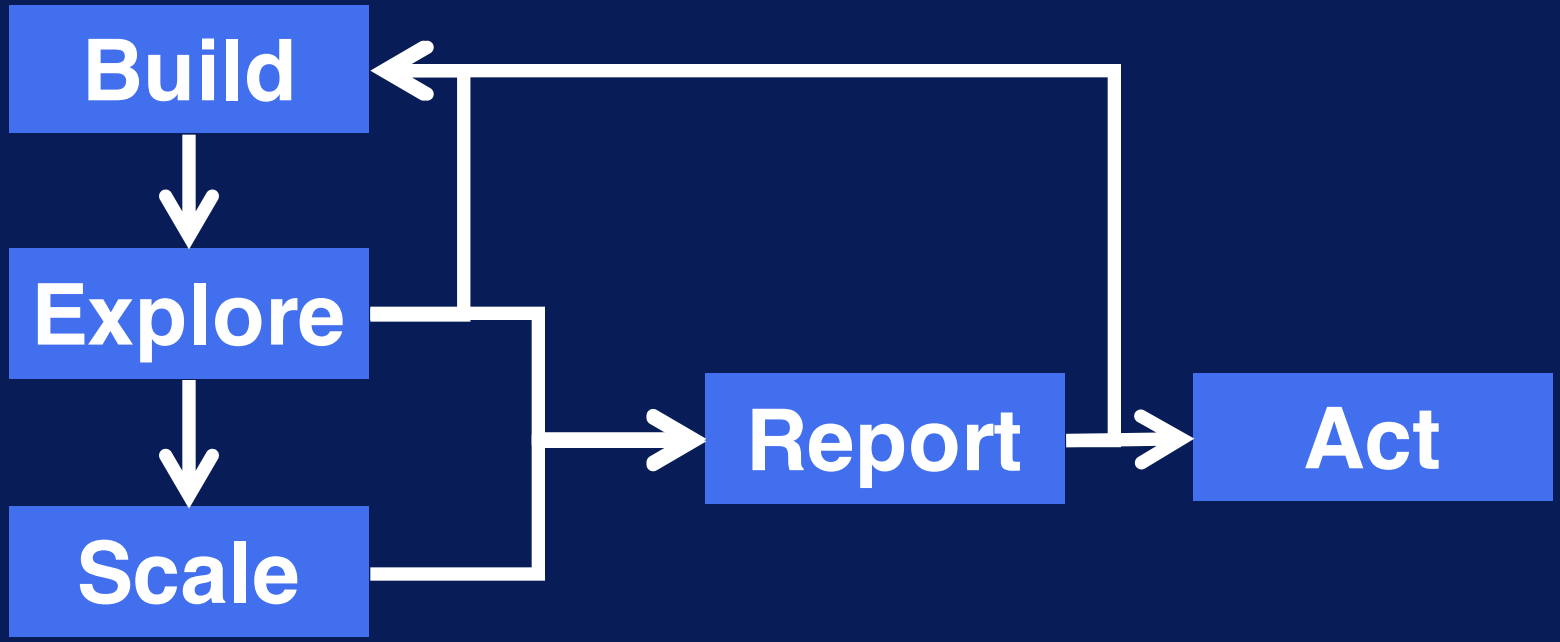
Purpose



Process

Big Data Engineering
Computational Big Data Science
ACQUIRE
PREPARE
ANALYZE
REPORT
ACT


Big Data Engineering
Computational Big Data Science
ACQUIRE
PREPARE
ANALYZE
REPORT
ACT
Scale
Scale
Scale
Scale


Build
Explore
Scale
Report
Act

People

?

Purpose

Process

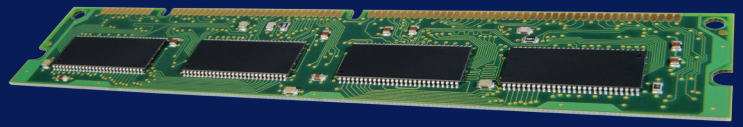
Platforms

People

?

Purpose

Process

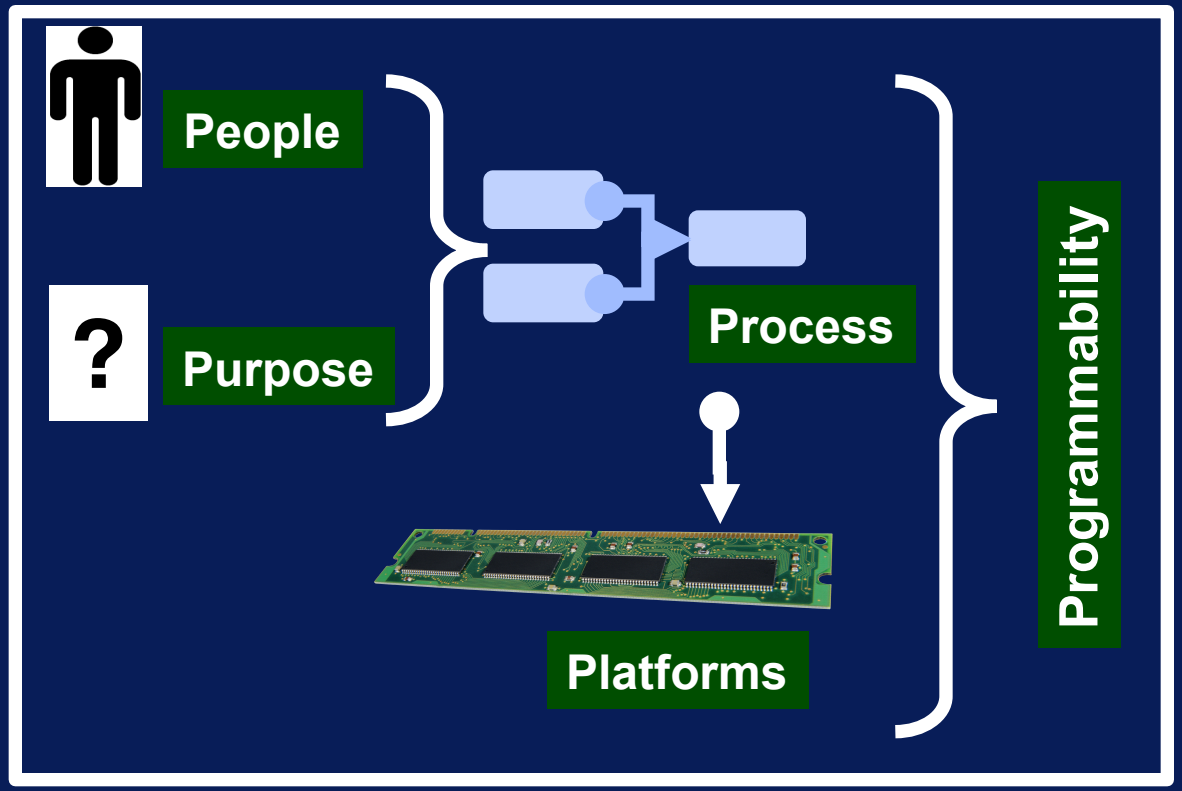


Platforms

Programmability

Process: Build metrics for accountability

- Cost
- Timeline
- Planning of deliverables
- Expectations
- Purpose



Metrics

Product