

From Big Data Management to Big Data Science

What is next?

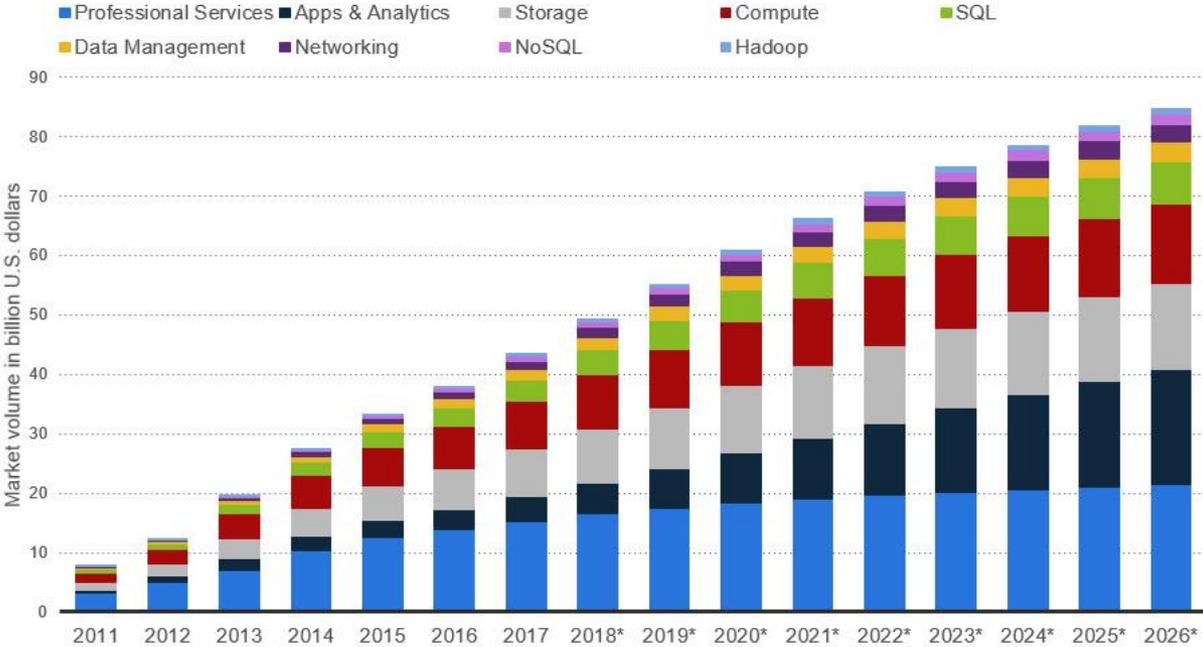
- Data is the new oil gold
- There is a shortage for experts in data management and analysis
- This course put you at the beginning of the track
- Keep your hands dirty and keep learning



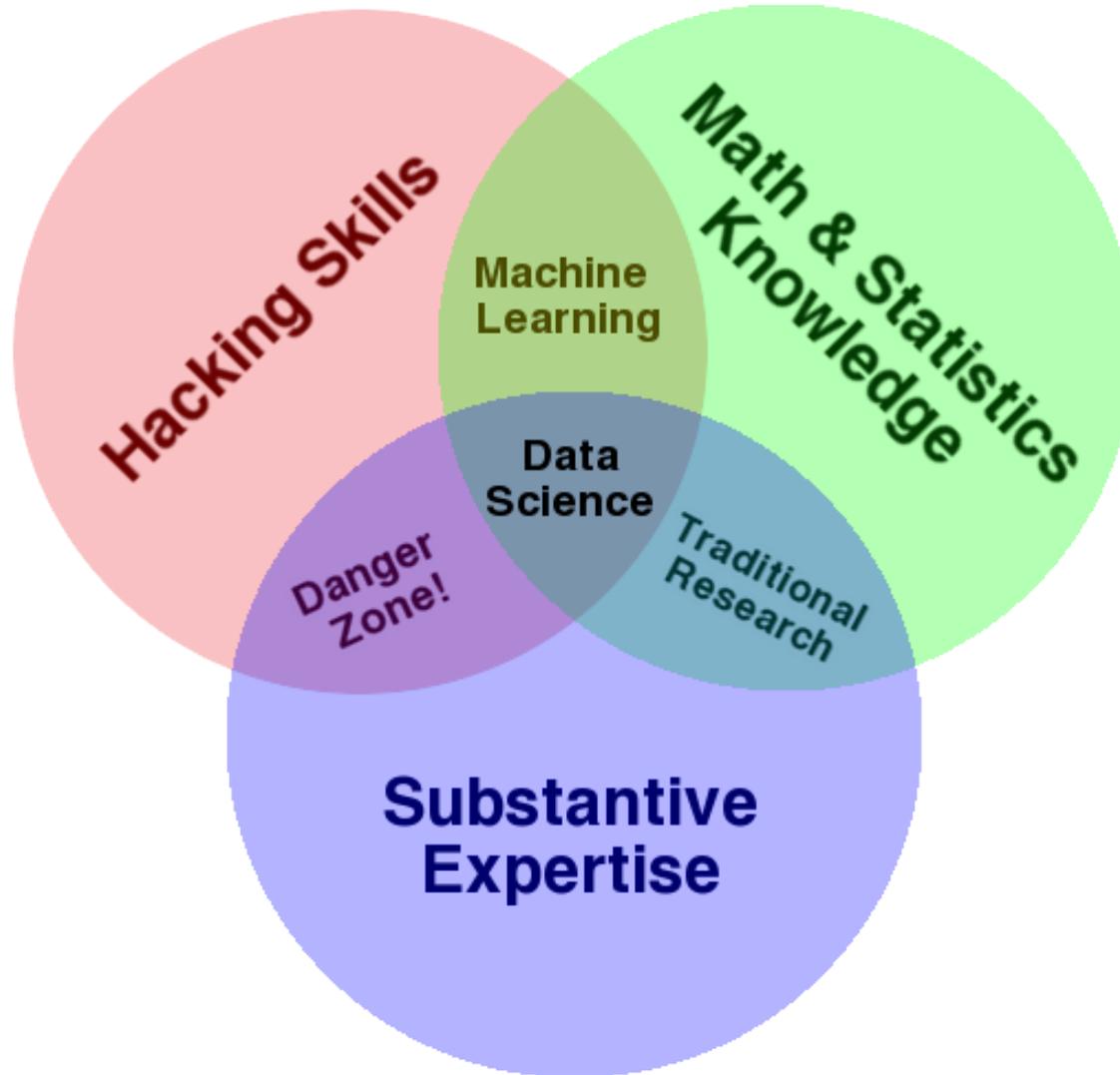
Job Market

Big Data Market Worldwide Segment Revenue Forecast 2011-2026

Big Data Market Forecast Worldwide from 2011 to 2026, by segment
(in billion U.S. dollars)

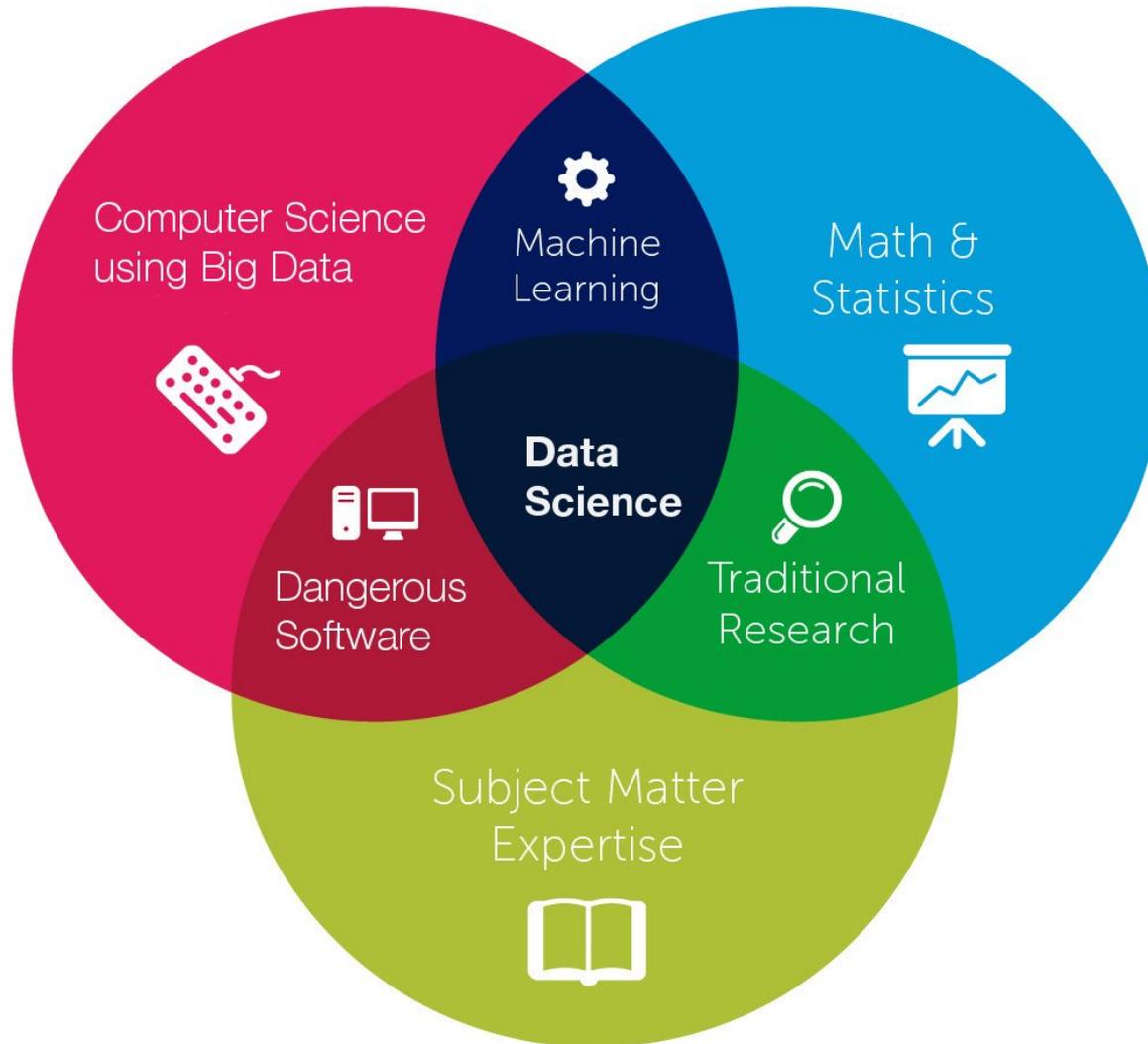


Data Science



Credits: Drew Conway

Data Science



Data Scientist



Josh Wills

@josh_wills

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Data Scientist (n.): Person who is better at statistics than any software engineer and better at software engineering than any statistician.

9:55 AM - 3 May 2012

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Next Steps

- CS
 - Big data tools
 - Python/R/Scala
- Math/Stats
 - Linear algebra
 - Correlation analysis
 - Hypothesis tests
- Collaboration with domain experts
 - Visualization
 - Prototyping

Software Engineering

Python

R

Julia

Prototyping

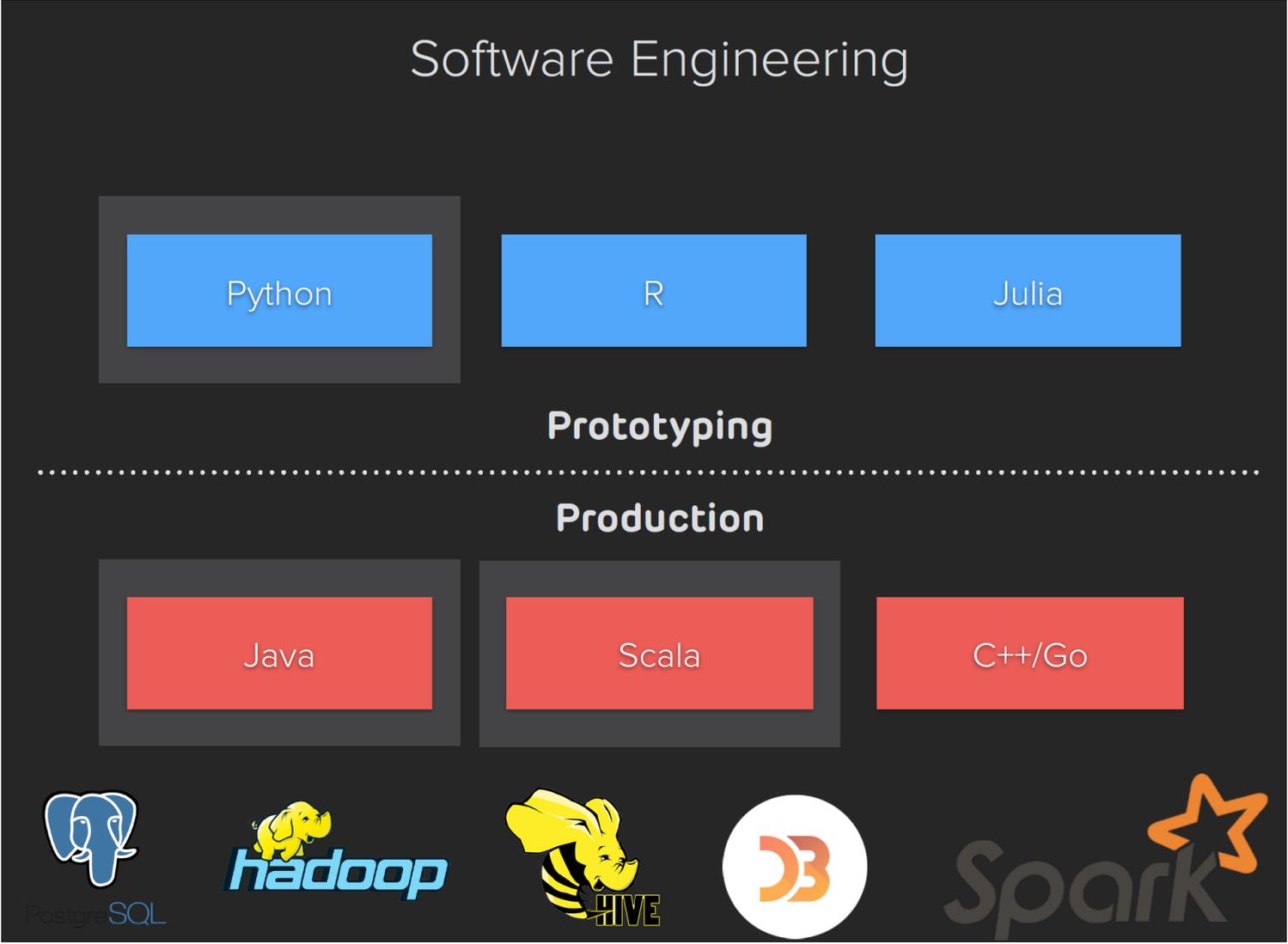
Production

Java

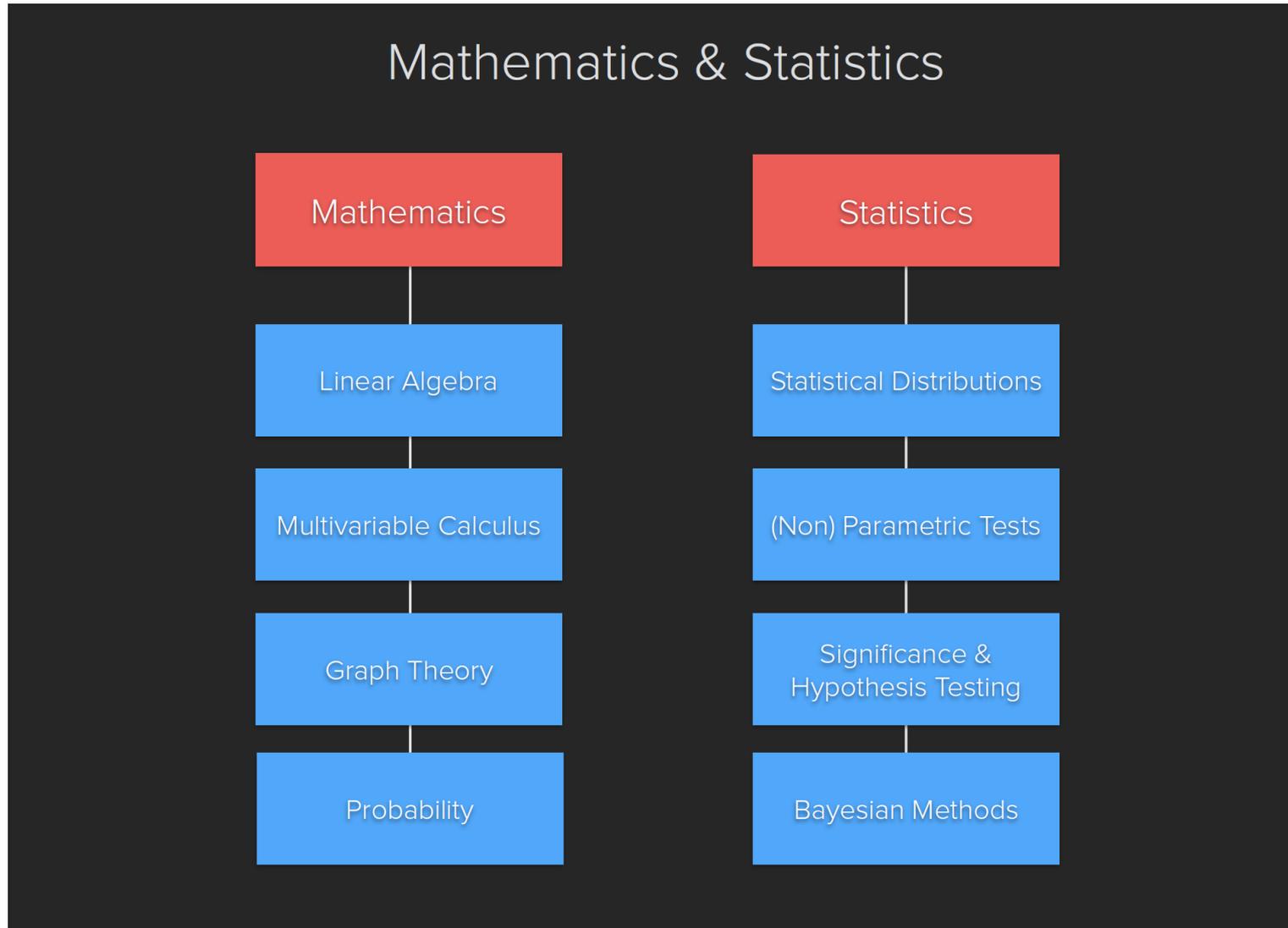
Scala

C++/Go

CS/Big Data



Math/Stats



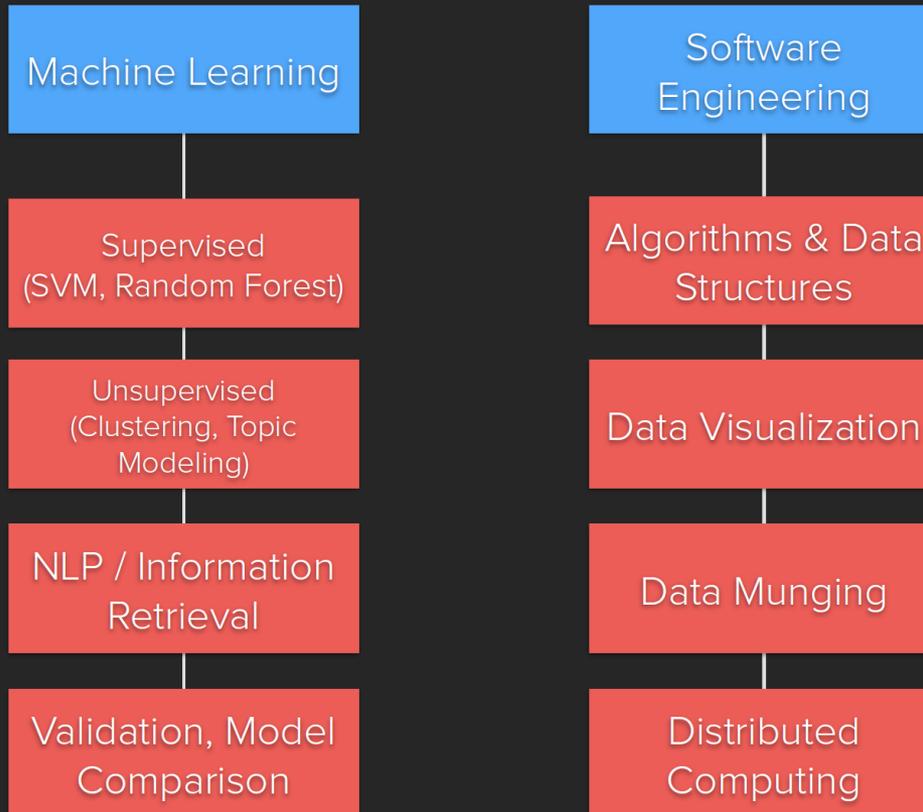
Online Courses

Mathematics & Statistics



Data Analytics

Machine Learning & Software Engineering



Big Data Landscape

