Go Data

___

Miriah Peterson
Twitter: @captainnobody1
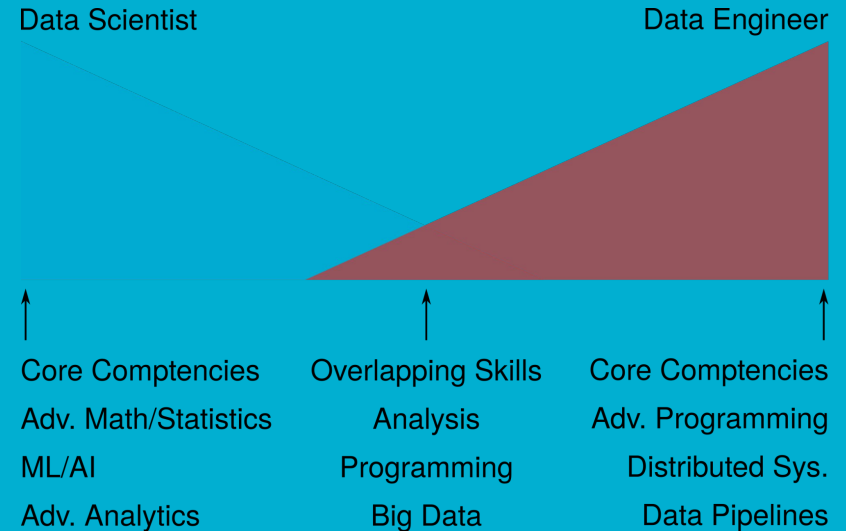
Github: https://github.com/Soypete

-
-
-
-
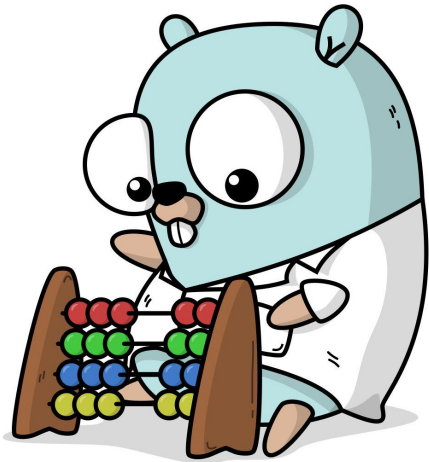
Data Science vs. Data Engineering

- **Big Data is Everywhere**

- **Companies increasingly hire these positions**

- **Variety of Backgrounds**

- **Go can be used for BOTH**

Data Scientist

Data Engineer

Core Comptencies	Overlapping Skills	Core Comptencies
Adv. Math/Statistics	Analysis	Adv. Programming
ML/AI	Programming	Distributed Sys.
Adv. Analytics	Big Data	Data Pipelines

Go Tools

- Go stdlib
  - Data pipelines with Channels and Routines
  - encoding/JSON, encoding/CSV, Database/SQL
- Apache Service integration
  - Apache arrow
  - Apache Beam
- Pachyderm data pipeline

- Gopher Data
- gonum
- Sajari
  - Word2vec, regression
- sjwitworth/Golearn
- Gorgonia
  - Deep learning
- gota/dataframes

Examples

https://github.com/Soypete/training-ai

https://www.oreilly.com/ideas/data-engineers-vs-data-scientists
https://beam.apache.org/documentation/sdks/go/
https://github.com/gopherdata
https://github.com/gorgonia
https://github.com/gonum
https://github.com/kniren/gota