The Evolution of #MLOps

Proprietary Inference Servers

using proprietary tools to perform modeling and inference

✓ SAS
✓ SPSS
✓ FICO

The Rise of Open Source Data Science Tools

…attempt to wrap the data science stack in a lightweight web service framework, and put it into production

Python:
✓ SciPy stack
✓ scitkit-learn
✓ TensorFlow etc.

R:
✓ dplyr
✓ ggplot2
✓ etc.
✓ Spark, H2O, others…

Containerization to-the-rescue

Containerization of the "Stone Age" approach, making it easy to scale, robust, etc.

"MLOps Platforms"

✓ Dockerized open-source ML stacks
✓ Deployed them on-premise or in the cloud via Kubernetes
✓ and providing some manageability ("ML Ops").

time

2000   **2015**   **2018**

Pre-History Age   Stone Age   Bronze Age   MLOps Gold Rush Age

Sketch: @visenger