



# Machine Learning Development Life Cycle



# Model Training



# Data Preparation



# Evaluation

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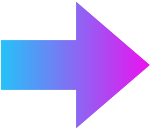
# Deployment

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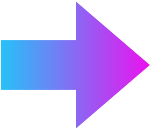


# Data Collection

















# SQL





FEAST



TensorFlow



PyTorch





dmk

XGBBoost



LightGBM





NumPy







TensorBoard









# Feature Engineering

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Containers at scale

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Data Engineer



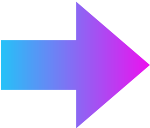


Data Scientist



MLEngineer

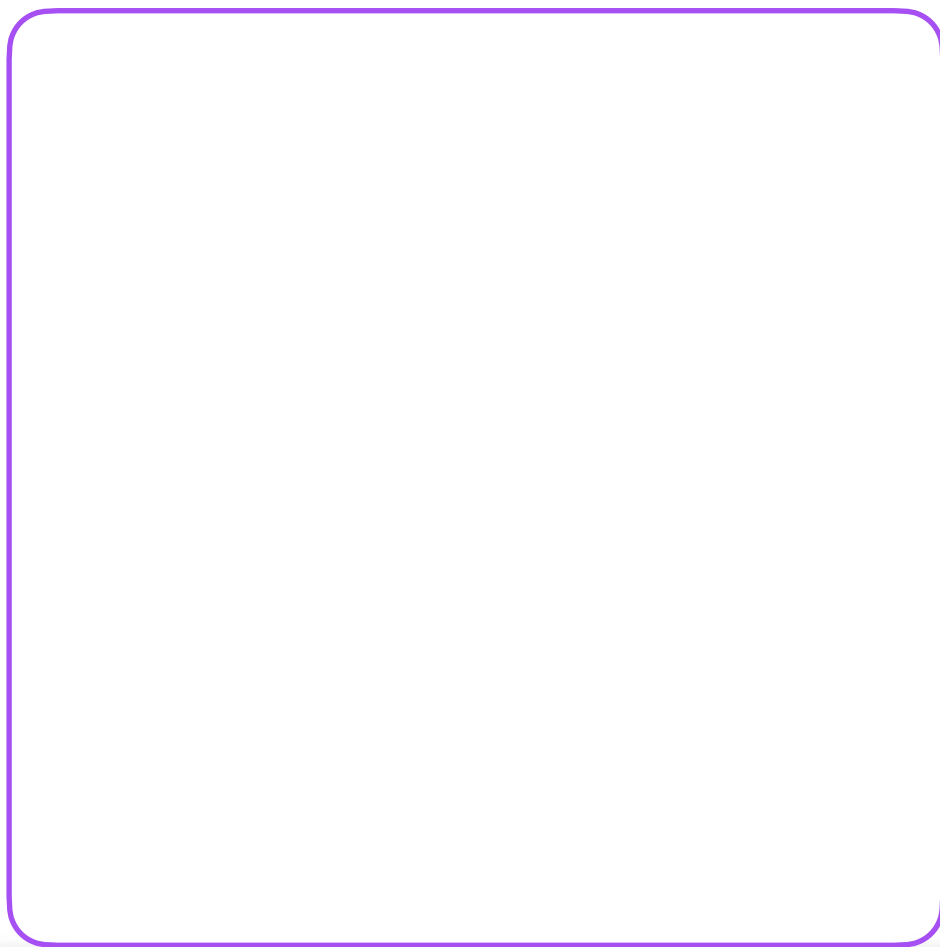






4 common problems with scaling ML

Why data science teams need MLOps?

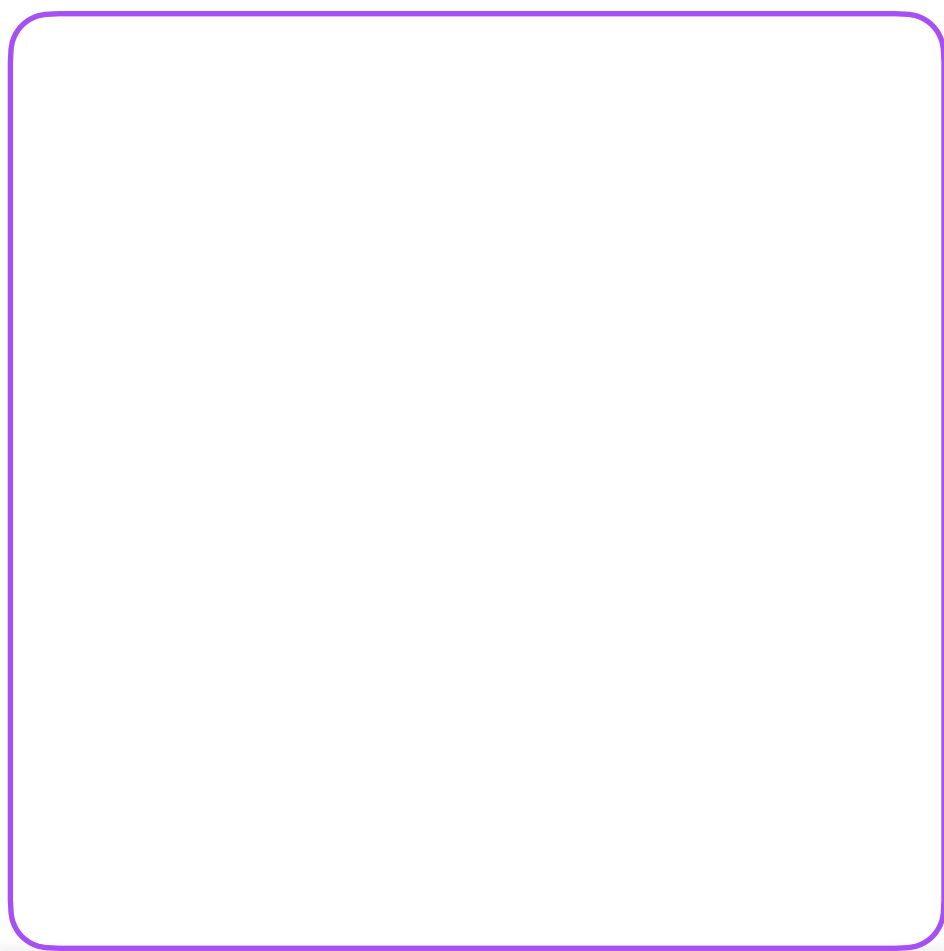


- Mundane steps with lots of



boilerplate

# Getting started

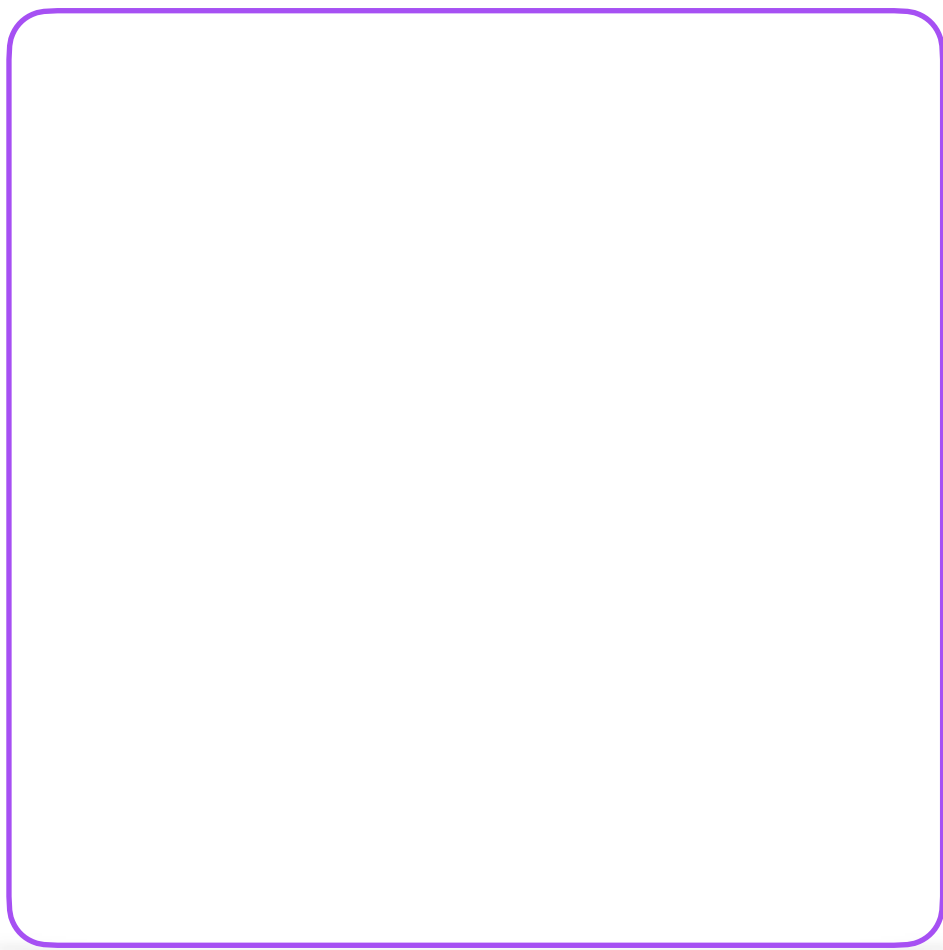


- Slow, redundant iterative

- Long time-to-market

**Iteration speed**

development

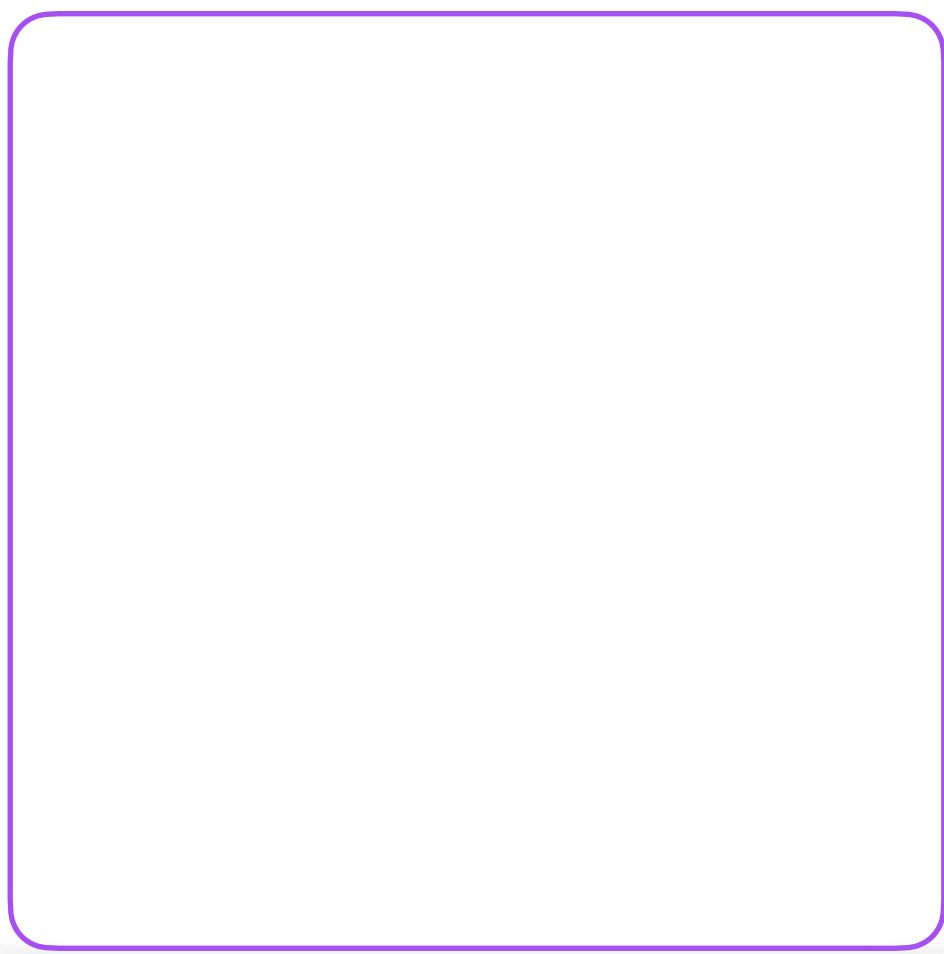




# Collaboration

- Team growth

- Different skills and background



# Productionization

- Difficulty to reproduce and

- Handoff to production is

control experiments



manual and bottlenecked

- Need to reduce operating costs







Amazon  
S3











