Federated Data Preparation, Learning, and Debugging in Apache SystemDS

Spectrum of Data Sharing
- Landscape of Techniques w/ Different Privacy, Utility and Performance Tradeoffs (new markets?)

Data-centric Data Science Lifecycle
- Federated Linear Algebra & Parameter Servers
- Federated Data Preparation, Feature Transformations
- Model Training & Scoring, and Model Debugging
- Automatic Compilation of Federated Runtime Plans

Demo: Monitoring Tool

Multi-tenant Federated Learning

Experiments