Week 1: Course Overview

1. Course Overview
   1. Example of a ML Pipeline

A diagram of a flowchart

AI-generated content may be incorrect.

* 1. Model Deployment and Monitoring

A diagram of a diagram of a diagram

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1. MLOps Maturity Model
   1. Level 0: No MLOps
      1. No automation
      2. All code in Jupyter
      3. Good for POC projects when you just want to experiment
   2. Level 1: Devops but no MLOps
      1. Releases are automated
      2. Unit and integration tests
      3. CI/CD
      4. Ops metrics
      5. No experiment tracking
      6. No reproducibility
      7. DS separated from Engineers
      8. POC to Production
   3. Level 2: Automated Training
      1. Training pipeline
      2. Experiment tracking
      3. Model registry
      4. Low friction deployment
      5. DS works with engineers
      6. 2-3+ ML Use Cases
   4. Level 3: Automated Deployment
      1. Easy to deploy model
      2. A/B testing
      3. Model Monitoring

A diagram of a model

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* 1. Level 4: Full MLOps Automation