

# MAS DSE 260: Capstone Project

*İlkay ALTINTAŞ, Ph.D.*

## Lecture 5: Defining Your Hypothesis and Minimum Viable Modeling Product

# Today's Topics

1. Reviewing where we are
2. STEP V
3. Report V Format : DUE 3/16/18

# MVP Presentations

- Lots of progress with clear direction and definition
- Clarification of solution architectures and metrics
- Interpretations of PPODS process, data pipelines and MVP cycle
- Learning from each other



**What is your  
next ~~MVP~~  
product?**

**How will it be  
successful?**

# Process Roadmap (260 A)

- ✓ Step 1: Understanding the Challenge
  - ✓ REPORT 1: due 1/18
- ✓ Step 2: Designing the Data Acquisition and Preparation Pipelines
  - ✓ REPORT 2: due 2/1
- ✓ Step 3: Exploring Data
  - ✓ PRESENTATION 1: 2/3
  - ✓ REPORT 3: due 2/15
- ✓ Step 4: Defining Your Hypothesis and Minimum Viable Modeling Product
  - ✓ REPORT 4: due 3/1
- **Step 5: Creating a Solution Architecture for Modeling and Optimization**
  - ✓ PRESENTATION 2: 3/3
  - **FINAL WINTER REPORT: due 3/16**

# Process Roadmap (260 B)

- Step 6: Modeling and Visualization
- Step 7: Evaluating and Interpreting Modeling Results
- Step 8: Deploying a Robust and Scalable Solution
- Step 9: Developing a Communication Plan and Monitoring Dashboard
- Step 10: Optimization

# Grading

- Reports: 5% each, total 50% over two quarters
- Presentations: 5% each, total 20% over two quarters
- Final presentation and demo: 15%
- Final report: 10%
- Final poster: 5%

# **Creating A Solution Architecture**

## **- Discussed last lecture. -**



# DSE 260A Final Report Guidelines

- Title, team members and advisor(s)
- Summary of all your reports including all the changes
- Your solution architecture
- Findings (to date)
- Keep it to 12-15 pages
- Due date: 3/16/2018 midnight

# Questions?

*Ilkay Altintas, Ph.D.*

*Email: [ialtintas@ucsd.edu](mailto:ialtintas@ucsd.edu)*