

MAS DSE 260: Capstone Project

İlkay ALTINTAŞ, Ph.D.

Lecture 5: Creating a Solution Architecture for Modeling and Optimization

Today's Topics

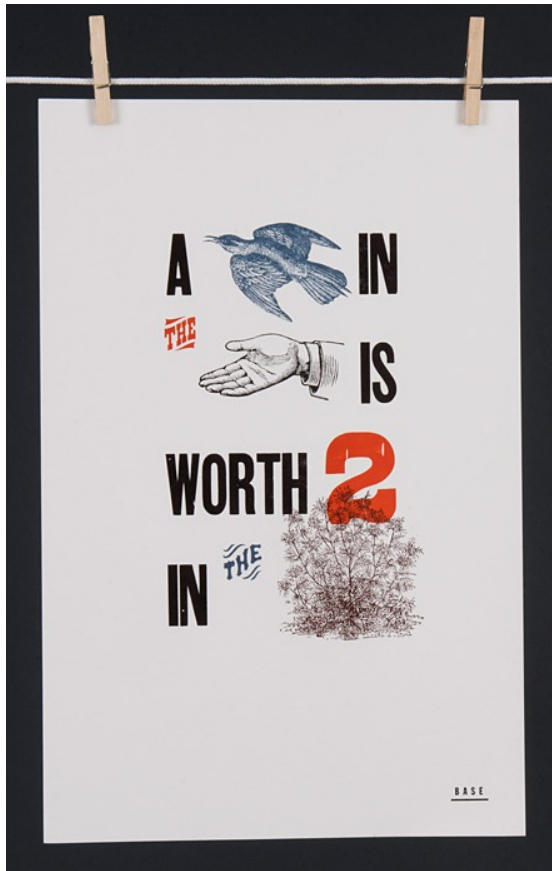
1. Reviewing where we are
2. MVMP feedback
3. STEP V
4. Report V Format : DUE 3/12/21

Process Roadmap (260 A)

- ✓ Step 1: Understanding the Challenge
 - ✓ REPORT 1
- ✓ Step 2: Designing the Data Acquisition and Preparation Pipelines
 - ✓ REPORT 2
- Step 3: Exploring Data
 - ✓ PRESENTATION 1: 2/5
 - ✓ REPORT 3: due 2/17
- ✓ Step 4: Defining Your Hypothesis and Minimum Viable Modeling Product
 - ✓ REPORT 4: due 3/3
 - ✓ PRESENTATION 2: 3/5
- Step 5: Creating a Solution Architecture for Modeling and Optimization
 - **FINAL WINTER REPORT: due 3/13**

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



MVP Presentations Feedback

- Lots of progress with clear direction and definition
 - Interpretations of hypothesis generation, data pipelines and MVP cycle/prioritization
- Slides as a story will improve presentations
- Inter-group learnings
- To come:
 - Integration of more data in different ways
 - Metrics for evaluation need to be defined further
 - Go back to your original hypothesis and reevaluate/reiterate to make it more specific with a real metric
 - Add performance and cost metrics
 - More clarification of solution architecture



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

**How will it be
successful?**

Creating A Solution Architecture

- Discussed last lecture. -

Step V 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: 3/13/2021 11:59pm

A template will be provided.

Questions?

Ilkay Altintas, Ph.D.

Email: ialtintas@ucsd.edu