

**sdmay19-06: Quantitative Research Modeling Library**

Week 12 Report

April 15 - April 21

Client: Joseph Byrum

Advisor: Srikanta Tirthapura

**Team Members**Josiah Anderson — *Meeting Facilitator*Doh Yun Kim — *Scribe*Gabriel Klein — *Report Manager*Drake Mossman — *Communication Manager*Nathan Schaffer — *Overseer*Jacob Richards — *Quality Assurance Manager*

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**Summary of Progress this Report**

During this week, our second to last week of the project, our team mostly began focusing on completing both the deliverables for our client and for the class, while also putting some finishing touches on the project and its tests. We put together a poster summarizing our project that will be used to show off our project to the industry review board as well as others. We also started finalizing the content of our final report which will be a look at our project from high to low level in terms of design and work done. Finally we also worked on writing up an operation manual for our client to use while getting used to using our project.

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**Past Week Accomplishments**

Josiah Anderson

- Started the poster
- Worked on the Final Report
  - Executive Summary
  - DRP Diagrams
  - Database
- Operations manual (database tables)

Doh Yun Kim

- Finished up poster and did final revisions
- Worked on Prediction module section, and standards in Final Report

Gabriel Klein

- Filled in aggregation section on the poster
- Laid out final report template
- Detailed use cases for the final report
- Described the aggregation module in the final report
- Wrote half of our testing plan and procedures for the final report
- Reported on aggregation benchmarking for the final report

Drake Mossman

- Finished up code changes for dataframe interface between pipeline stages
- Created example data tables for poster
- Described Scoring Stage on poster
- Reworked Use-case Diagram for poster
- Took screenshots for Scoring section of Operation Manual

Jacob Richards

- Worked on Database section of Operation Manual
- Worked on Final Report
  - Database section in Modules
  - Rationale for Development Process

Nathan Schaffer:

- Fixed bug in stock scoring code and tested it
  - Finished stock scoring section of operation manual
  - Started contributing to final report
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### **Pending Issues**

We're currently waiting on our client to get back to us about some use case testing. Their feedback will be valuable for our final report.

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### **Plans for Upcoming Reporting Period**

Josiah Anderson

- Finish Operation Manual
- Final Report
- Final Presentation

Doh Yun Kim

- Final Report: Gantt Chart, Risk Management, Revisions
- Practice presentation
- Operation Manual

Gabriel Klein

- Finish final report and presentation

Drake Mossman

- Finish up assigned sections of final report
- Finish up Scoring section of Operation Manual

Jacob Richards

- Finish final documents and presentation

Nathan Schaffer:

- Finish final report
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**Individual Contributions**

<b>Team Member</b>	<b>Contribution</b>	<b>Weekly Hours</b>	<b>Total Hours</b>
Josiah Anderson	Poster, Final Report	11	181.5
Doh Yun Kim	Poster, Final Report	7	161
Gabriel Klein	Poster, Final Report	6	186
Drake Mossman	Poster, Operation Manual	14	182.25
Nathan Schaffer	Stock Scoring bug fix, Operation manual	12	150
Jacob Richards	Operation Manual, Final Report	6	146.25