

Suyeon Ju:

Last Week:

- Read SPORF and MGC PPT slides (both by Dr. Vogelstein)
 - [Link to SPORF](#), [link to MGC](#)
 - [SPORF summary](#)
- Contribute to project proposal with goals for semester
 - [Link to Overleaf Doc](#)
- Implement RF algorithm for classification and compare results to [sklearn results](#) on iris data set
 - DoD: figure (sklearn vs. my results)
 - [Github Link](#)

This week:

- Finish RF implementation
 - DoD: figure (sklearn vs. my results)
- Read MGC PPT slides (by Dr. Vogelstein)
 - [Link to MGC](#)
 - DoD: summary
- Look into how [benchmarking](#) works/how we plan to do it
 - DoD: summary (?)

2.4 Suyeon

2.4.1 Sprint 1

- **Implement Random Forest algorithm from scratch.** The final deliverable is a Jupyter Notebook with the RF implementation and a comparison between the figures produced by the implementation and those produced using the sklearn RandomForestClassifier.
- **Perform benchmarks for our SPORF-based multivariate regression algorithm.** The final deliverable is a set of Jupyter Notebooks and technical reports.

2.4.2 Sprint 2

- **Predict EEG data using time-series forecasting algorithm.** The final deliverable is a set of Jupyter Notebooks and technical reports.

2.4.3 Sprint 3

- **Write paper(s) about extensions for multivariate regression and time series forecasting.** SPORF-based regression would most likely work best as an addition to the SPORF paper and time series forecasting adaptations would most likely work best as its own paper. Submit to Journal of Machine Learning (JMLR) or more appropriate journal based on advice from Jovo.