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Document used to keep track of weekly goals / benchmarks and whether or not they were completed.

## Benchmarks and Weekly Goals

Notes: Did a “strikethrough” on items as we went down the list and documented the *actual* progress made and/or follow-ups to these goals as a “next steps to be taken” sort of organization.

### Meeting 4 (1-20-21)

Benchmarks / Goals before next Wednesday 1-27-21

~~Nick - read\_from\_file, base version of time series class, start on preprocessing functions logarithm, cubic\_root (time series class was discussed during Meeting 5, decided to use Pandas dataframes.~~

Downside to passing Pandas dataframe instead of storing it in a time\_series object? If we find functions that are not available in Pandas, it would remove a layer of complexity to not use a time\_series object)

~~Noah - tree class done, UI done (aside from execute, and maybe time\_series)-UI will need to be scrapped to handle functions with multiple arguments.~~

~~River - denoise, impute\_missing\_data, impute\_outliers, nosetests info + begin creation of test suites~~  
impute\_missing\_data will need to be edited because of change to time\_series object, impute\_outliers needs work, longest\_continuous\_run complete, clip complete, assign\_time complete. Nosetests info will be posted to discord today.

~~Cameron - difference, scaling, standardize—all 3 complete aside from the change to time\_series object~~

~~JT - schedule time w/ Cameron to work on SRS, schedule time w/ Nick to work on time series class, rough drafts of SDS/SRS~~  
Cameron and I made a lot of progress on SRS but still have several questions regarding specifics for Flores. Emailed him but didn’t get a very definitive answer. Need to schedule a meeting with Flores to clarify and get deeper understanding. Noah and I haven’t worked on SDS again since last week, but a lot of the unfinished parts are in question akin to the questions Cameron and I have about the SRS. Luckily we have a bit more time to finish documentation before submission than for the functional application presentation on the 5th.

~~Preprocessing test suite~~ still needs a lot of love. Nosetests seems like a great option for the functions that we are *able* to write nosetests for; however, for tree functions/plotting/etc it might be too difficult to expect everything to fall under nosetests. Likely we’ll have a nosetests suite **and** other test suites for parts that don’t fall under its umbrella.

### Overarching Goals / Timeline

~~By Tuesday 1-26-21 we should be approaching the halfway point with implementing code~~  
GOAL MET. Most functions will need to be slightly tweaked based on our choice to pivot away from using a time\_series object and instead pass the Pandas dataframe directly.

~~By Friday next week 1-29-21 we should have a working program that can produce output as required but perhaps will still need fine-tuning~~  
GOAL unlikely to be fully met. We have scheduled a 5 hour session on Friday to meet as a group and work through many outstanding issues and decide how to implement things or weave functions together within the application.

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### **Meeting 5 (1-27-21)**

#### Revised Benchmarks / Goals to meet by next Group Meeting on 2-3-21

~~Friday Jan 29th, 5 hour group session to grind through many outstanding issues and prepare everyone for their individual leftover work over the weekend and into the next week.~~

~~Sometime over the weekend or the beginning of next week (Jan 30,31 or Feb 1,2,3) meeting w/ Flores to ask clarifying questions.~~

~~Monday Feb 1st, have all functions working individually. Have test cases for all functions passing/working.~~

Wednesday Feb 3rd, have the application working as a whole. Able to execute pipelines successfully.

Wednesday Night: individually use the application to see if we find errors/holes. Try to “break” the program.

All day Thursday and until noon on Friday next week for finalizing anything that still needs to be fixed before presentation.

### **FRIDAY FEB 5TH PRESENTATION DURING CLASS**

SRS/SDS + all other documentation: we have an extra 4-5 days after presentation to finish finalizing ALL documentation. Worst case scenario, everyone goes hard on documentation after presentation to get final submission up to group standards.

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**FINAL GOAL: COMPLETE  
SUBMISSION AND SUBMIT PROJECT  
TONIGHT (2-9-21)**