

Final Project Assignment - Python DeCal

Spring 2021

Congratulations!

You are so so so close to finishing this DeCal! All you need to cross the finish line is this assignment. To get full credit for this project, your project must have these 3 components:

Presentation Slides

The presentation slides should be real research style slides which should cover up to 10 minutes of presentation. This means your slides should be **roughly**

- 40 % Background info to your topic
- 20 % Methods and Techniques
- 30 % Findings + Results
- 10 % References + Citations

Its good to keep in mind that approximately 1 slide \sim 1 minute on average. The background info should be enough for a scientist who may not be an astronomer to understand what we are talking about and what is going on. The methods shouldn't really be displaying lines of code on your slides, but more highlighting what techniques did you use, what equations and what do they represent, etc.... Your findings and results should be the sweetest part of the presentation, either a money plot or video is what you want to present on these slide followed by interpretation of those results. Then a slide on references and citations is required if you looked at any research papers, websites, codes for reference. Also don't forget to put everyone's name at the beginning.

Code Files + Videos/Images

If your code animates anything, we would like you to submit the video files along with the code that created them. If you used jupyter notebooks, please upload the .ipynb file(s) as well. If you used straight python scripts, please upload the .py file(s) as well.

Reflection Write Up

We want you to reflect on what you have done in this project. As a group, please give a 4-6 sentence statement describing what you have learned through this project. What were the struggles and what were the highlights? We would prefer this to be written in \LaTeX so you can collaborate on the same file with your partner(s).

Final Notes

You did amazing, congratulations! You should be well prepared for any research opportunities that may come your way. Each group only needs to submit 1 final project. This is a lot of stuff to upload to bCourses, so I recommend making a folder on your computer \rightarrow put all needed files in folder \rightarrow compress the folder to a .zip file \rightarrow submit the .zip file.