

ENS210 Group Project

Go to this [link](#) to accept the group project. Note that this is an empty repository. You will fill it in. One of the group members will create a team and other members of the same group will join that team.

Key dates

- Proposal submission due **December 13 2018 12pm**
- Report submission due **December 21 2018 5pm**
- Presentation on **December 24 and 27 2018** during class/lab hours.

What to do?

Characterize a protein family of your choice with respect to its evolutionary history, function, critical residues and domain(s). You should come up with a plan and your instructor should approve the project.

Week 1

- Discuss the project with your group members. Get an approval from the instructor.
- One paragraph (250 words) summary of your proposed research should be submitted. See the due date above. E-mail your proposal to oadebali@sabanciuniv.edu by carbon copying (cc) the group members in the e-mail.
- Assign tasks to each group member. Start the project. Make 30% progress.

Week 2

- Complete the project. Interpret the results as a group.
- Write a report (see due date above).
- Prepare a presentation.
- Push your codes and plots.
- Submit (push) the report.

Week 3

- Present your work.
- Push your presentation.

Report

- Title
- Introduction (½ page)
- Results (2 pages)

- Figures (min 4)
- Discussion (½ page)
- Materials and Methods (½-1 page)
- References

Consider one page as 500 words.

Presentation

25 min presentaion + 5 min QA ~ 30 min total A random group member will be called for presentation.

The attendance will be taken and it will contribute to the final score on both days.

Method code and documentation on GitHub

All the code and steps should be given in an appropriate file such as python, bash. The code and steps should be documented in a markdown file such as `method.md`. The aim is to provide reproducible environment.

Grading

- Report (40 points) Story flow, English, appropriate referencing
- Depth of work (20 points)
- GitHub documentation (20 points)
- Presentation (20 points)
 - Participation by asking questions to the presenter will contribute to your score.

Notes on grading

- Work load for each group member should be balanced. The work balance will be checked through the contributions of each member at GitHub repo. Each member should push their own work to the repository. The work load balance will be evaluated. For example, if one member in a group of 4 completes the project by him/herself, the group's score will be cut 75%)
- The group project will affect **10%** of your total class score. Each member will get the same point.
- If you get 0 from any of the sections (see grading), the group will get 0 for the entire project.
- Plagiarism will not be tolerated: group will fail the project.