Welcome Back!

DSC180B - Genetics

Weekly Check-In: Submitted

Every week, each group must get together to update each other on the week's progress. By Tuesdays 11:59PM PDT (Wed this week), the group must submit a written submission answering the following questions:

- What tasks from the previous week's to-do list were attempted (noting who attempted what task).
- From those attempted tasks, which were completed? If they weren't completed, what percentage of each task was completed?
- What difficulties or obstacles were encountered in the tasks you attempted?
- What tasks will you be attempting in the next week and why? (note who will be attempting each task).

Each group member must be prepared to represent their entire group for the weekly check-in during discussion section Wednesday

https://github.com/afraenkel/DSC180B-DS-Capstone/blob/master/assignments/00-weekly-checkin.md

Weekly Check-In: Discussion

- Everyone in group must be aware of progress
- I will randomly select (before class meeting) who from each group will present that week
  - 1 week “absent” when I call on you free
  - can be called on two weeks in a row

Weekly Check-In: Discussion

- Will be sharing:
  - What you set out to do
  - What you accomplished
  - What went well/where you're struggling
- Encouraged to help one another out
- Constantly updating plans in response to previous week

Benefit: Consistent Progress

This means that consistent progress has to be made every week (no more waiting until the deadline to make progress.)

Office Hours: Options

- Drop-in OH (totally optional)
- Bi-week 15-20 min meetings (req’d)
- both (Friday 10-11 req’d; other optional OH times)

Getting Started Assignment (Sun 4/5)

- **Proposal**: Revising your project proposal (adding specificity and incorporating comments - touch base with your domain expert, especially if there are no comments given on gradescope).
- **Schedule**: Revising the schedule in your project proposal, adding specificity. Include the tasks that each individual will work on through project-checkpoint-1.
- **Backlog**: Creating a 'backlog' of specific tasks that will serve as a rubric for project checkpoint #1.

https://github.com/afraenkel/DSC180B-DS-Capstone/blob/master/assignments/01-getting-started.md

Project Descriptions

06 - Pete*, Derrick - model can differentiate between people with high risk T1D using microRNA expression levels in immune cells
03 - Kelvin*, Fernie - Type II diabetes; common gene areas that increase risk; correlation between one another
05 - Eric, Alexandra, Shonak*, Samantha - comparing germ layers and risk of cancer in each of those germ layers - specifically in the chest area; using TCGA dataset
01 - Scott, Ren, Tony* - GWAS Alzheimer’s disease ; use existing to replicate and borrow additional GWAS approaches that have been used in other diseases
02 - Yifiei, Noah*, Siqi - SNPs that distinguish GBM from nonGBM
04 - Michael, Allston, Enrique* - model to determine predict likelihood of developing a disease; scale to multiple diseases

Just came across: GWAS Diversity Monitor

https://gwasdiversitymonitor.com/