

Data Science Fundamentals

ICS 434

MW 12:00-1:15 PM

Instructor: Mahdi Belcaid

Information and Computer Sciences

Hawaii Institute of Marine Biology

Hawaii Data Science Institute

Office Hours

- Website: <http://128.171.10.138:4000/>
- Slack workspace: **ics434-sp2022.slack.com**
 1. Post class-related question to **#general**.
 2. DM with personal questions
 3. Sole communication channel
- Teaching assistant
 - Moseli Motsoehli
 - email: moselim@hawaii.edu
- Office hours
 - Course material and assignments: TBD
 - Information will be posted on Slack
 - Final project-related or other: by appointment

Grading

- Four assignments (50%)
- Weekly experiences (10%)
- Attendance and participation (10%)
- Final Exam – ICS 434 (30%)

Assignments (50%)

- Four assignments
- Reinforcing material covered in class
- Guided exploration of new concepts or libraries
- ~10 days to complete
 - Questions about programming that have clear answers
 - Submitted via GitHub as Jupyter notebooks (<http://jupyter.org/>)
 - 25% grade penalty for <24 hours late
 - 50% grade penalty for <48 hours late
 - Points will be deducted when the specifications provided in the assignment are not met.

Course experiences (10%)

- Weekly experiences
 - Examples:
 - Read material and reproduce a graph
 - Change the code to do something slightly different
 - MCQ
- Online honor form must be submitted for each experience to confirm that the assigned experiences have been completed within the given timeline.
 - if applicable, a Jupyter notebook showing your work must be submitted.
- A subset of the weekly experiences will be evaluated at the end of the semester.

Attendance and Participation (10%)

- Requires missing no more than four sessions, unless a valid justification is presented
- Online honor form confirming that you have attended class
- Use camera in class unless a valid reason is given
- Participates on the course Slack channel to answer questions that may arise and share about the course material and relevant topics

Final Exam (30%)

- Final and comprehensive exam consisting of MCQs and open questions
- Held during exam week
- Preceded by a final review of the material and question types