# Welcome to PIC16A!

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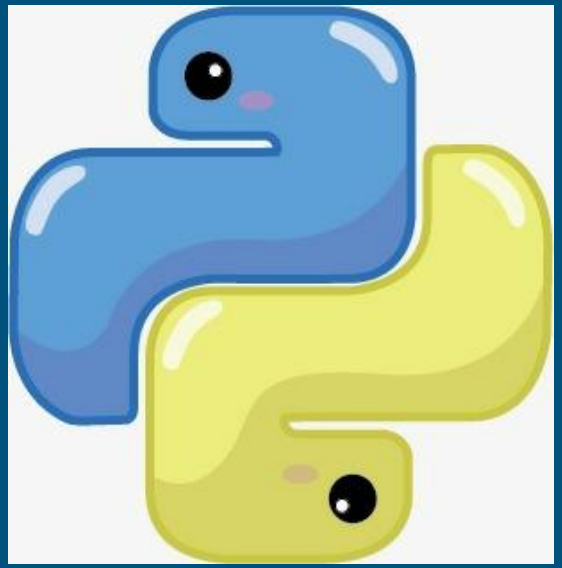
# Guiding Principles

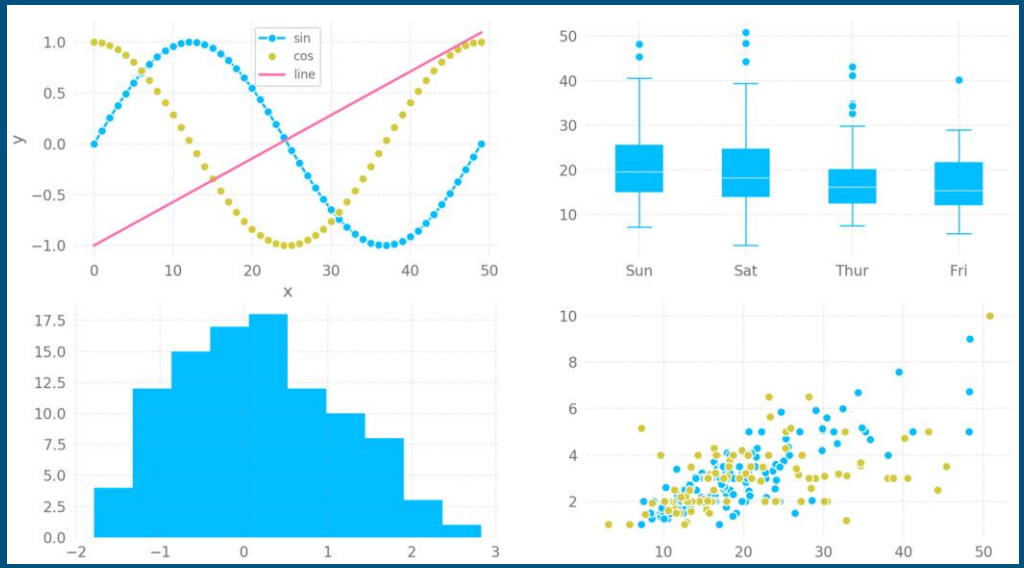
1. We want you to succeed.
2. None of us signed up for this.
3. Your wellbeing comes first.
4. We’ve got your back.

# In PIC16A

## Python basics

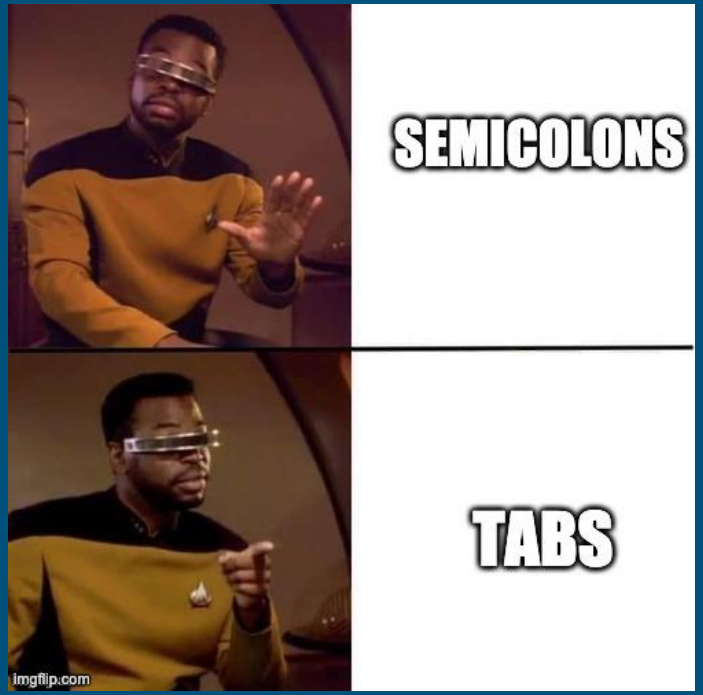


## Python for (data) science



# Also in PIC16A

Memes




Penguins

# Flipped Classroom

- All required content is pre-recorded and posted on CCLE.
- Attendance at MW lectures is encouraged.
  - Review
  - Questions from forum / quizzes
  - Supplementary content
  - Activities
- Attendance at TuTh discussions is **required** (except for timezone exemptions).

# Course Format  - Promote Active Learning

- Prerecorded videos
  - Approximately one lecture worth of material posted three times a week – Quiz due at 11:59
- Live Lecture
  - Twice a week, Monday and Wendesday, clarify material from Prerecorded Videos
  - Post questions in advance (campuswire, on CCLE, email)
- Discussion Section – Twice a week Tuesday and Thursday
  - Structured group work, rotate between here different roles
  - Part of your participation grade

# Participation
# (aka Working in Groups)

# Participation in PIC16A

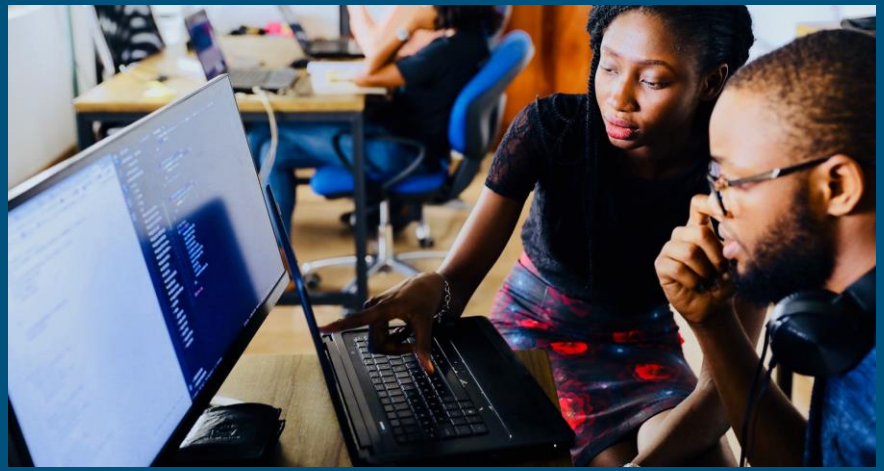
Attend Discussion (required) and work with your group on programming activities.

**Groups are created based on interest and time zones** Please fill out the questionairre if you haven't already

**Timezone exemptions:** you will agree with your group on an alternate time to complete the activity.

Activities are submitted for a participation grade.

# Coding in Groups



*Review “Working in Groups” on CCLE.*

Based on the **pair programming paradigm**.

- A **Driver**, who types the code and turns in the assignment.
- A **Proposer,** who suggests solutions and high-level approaches to problems.
- A **Reviewer,** who offers constructive criticism on the Proposer’s suggestions and the Driver’s code implementation.

# Norms for Group Work

1. Do the lecture and readings ahead of time.
2. Arrive on time.
3. Cameras on in breakout rooms, please.
    a. Attending in pajamas, from bed, with tea, with food etc. is fine as long as you are ready to participate.
    b. Pet cameos are highly encouraged.

# Course Rubric

| | |
|---|---|
| Homework | 20% |
| **Participation** | **20%** |
| Quizzes | 10% |
| Mini-Project | 10% |
| Midterm | 15% |
| Final | 25% |

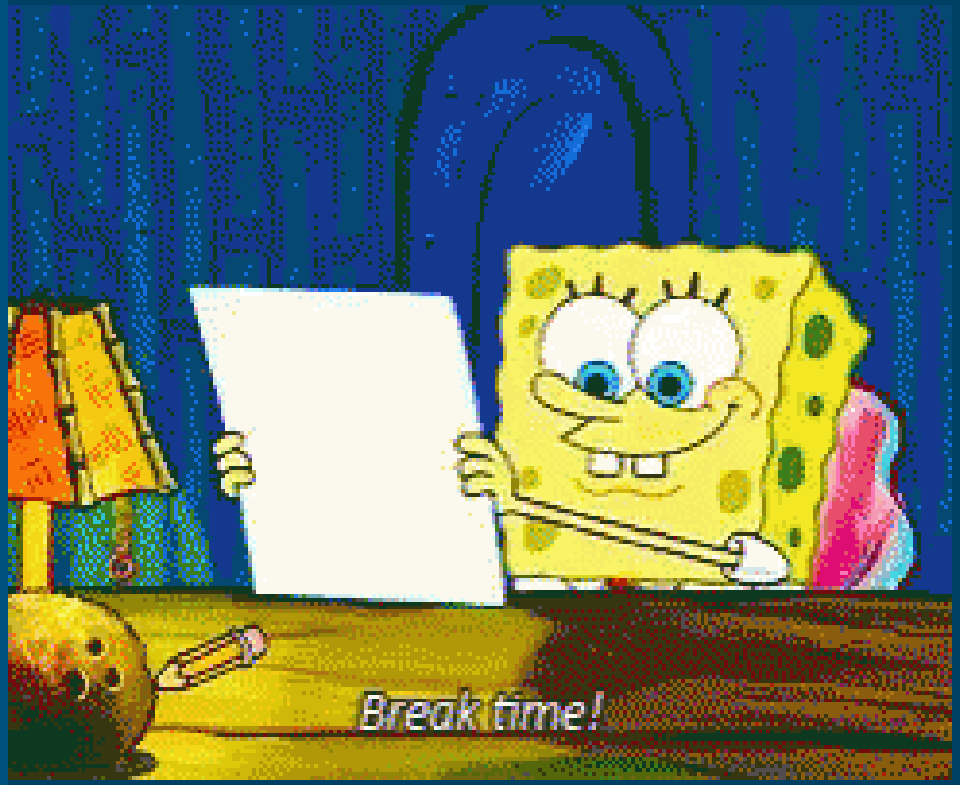
# Course Team

- **Instructor:** Michael Perlmutter

  **TA:** Kirill Gura
- **LAs:**
  - Carolyn Ta
  - Adriel Friedlender
  - **Leadership**: Jacob Kaufman

# BREAK TIME

(2 minutes)



# Getting Help

# Campuswire

Link on CCLE (under Site Info)

Email me if you have problems joining.

**Suggested usage:**

- Ask/answer questions.
- Communicate with your group in chatrooms.
- DM me or Kirill.
  - Warning: we may ask you to post your question.
  - I may be faster to reply over email.

# Office Hours

*0.25% extra credit the first time you ask a question in OH.*

*You are also welcome to come listen, work on your HW, chat...*

**Prof. Perlmutter**:

- TBA.

**Kirill**:

- TBA

# Other Policies and Resources

# Course Environment

**Discrimination** on the basis of ethnicity, race, gender, sexual orientation, ability, age, religion, etc. is **not tolerated in my classroom.**

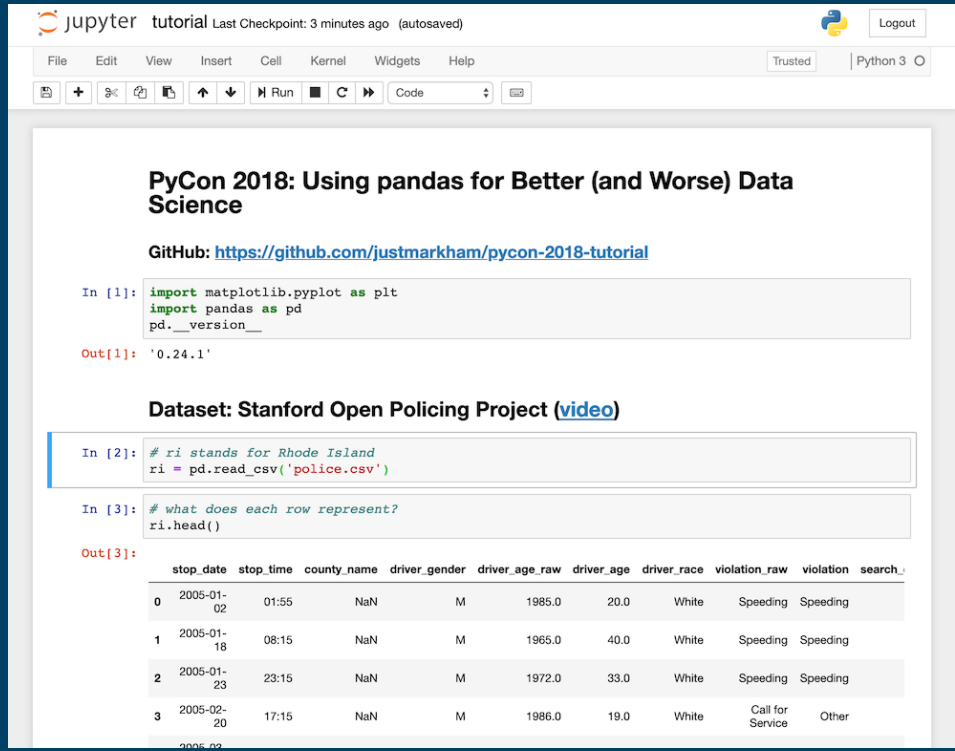
**Title IX:** you deserve a learning environment free from discrimination, sexual harassment, sexual assault, and stalking. If you experience these behaviors, the UCLA Title IX Office can help.

**I am a mandatory reporter.** Confidential resources are also available

# Assignments

1. Complete in Jupyter
2. Convert to PDF
3. Submit PDF

*Review "Expectations for Assignments" on CCLE.*



# Lots of Drops, No Extensions

- **HW**: 2 out of ~8 dropped.
- **Discussion**: 4 out of ~20 dropped.
- **Quizzes**: 5 out of ~30 dropped.

I will generally expect you to use your drops**, and will not grant extensions** on individual assignments**.**

*If you expect to miss multiple weeks worth of work, then contact me ASAP and we'll find a path.*

# Extra Credit Opportunities

**Post on Campuswire (up to 1%)**

- Awarded for both excellent **questions** and excellent **answers**.

**Feedback Surveys (0.25% each)**

- Two throughout the quarter.

**Essay on societal impact of data science (up to 3%)**

- 900-1200 words
- At least five sources.
- Coherent argument with thesis statement + evidence.
- See Syllabus for rubric.

# Collaboration

Do it! List your collaborators on your assignments.

**Do share:** ideas, concepts, useful references, examples, hints.

**Do not share:** solution code.

Quizzes & exams are solo (but open book + notes).

# Everyone ***can*** get an A

You are NOT competing against each other
We are all on the same team

Assignments + exams will be graded **fairly strictly.** However**:**

- I will tell you what kind of output I am looking for.
- I will tell you my expectations for your code structure/style.

To score well:

- Plan ahead.
- Work hard.
- Try multiple approaches.
- Get help.

# Guiding Principles

1. We want you to succeed.
2. None of us signed up for this.
3. Your wellbeing comes first.
4. We’ve got your back.
5. Let’s have fun and do cool stuff.

# Thanks!

Questions?

# Acknowledgements

- Much of the format of this class is based on Phil Chodrow's class from last quarter
- Phil and I are coordinating resources this quarter
    - Covering same content on same days
    - Most of the same HWs and discussions