



# INTRODUCTION TO THE TOOLS AND RESOURCES

Arash Nourian

Faculty, UC Berkeley  
Nourian@Berkeley.edu

# Agenda

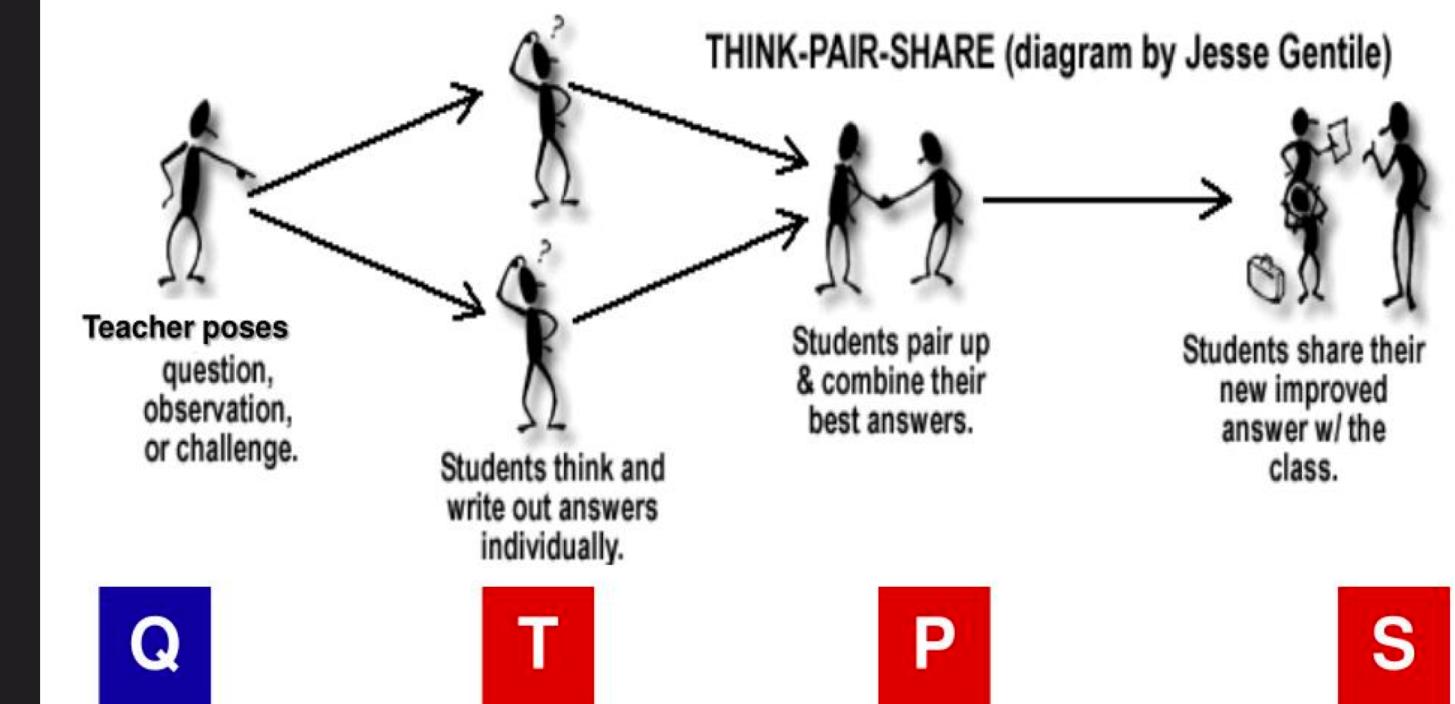
- Course Logistics
- Environment setup
- Intro to notebooks
- Intro to python

Data-X

# Class Schedule

- Project Modules
- Lectures Theory
- Break (15 min)
- Tools hands-on (GSIs)
- T/P/S –Quizzes/Mini coding exercise

## Think-Pair-Share (TPS)



# Grading

- Homework: 35%
- Quizzes: 15%
- Low Tech Validated Solution (Demo + MVP): 20%
- Final Project + Write up + Code Review: 30%

# Course Github

- Everyone should register for a Github account, will be needed to turn in HWs.
  - Do it at: [education.github.com](https://education.github.com)
- All course material will be pushed to this repo:

<https://github.com/ikhlaqsidhu/data-x>

## Data X Berkeley

IEOR 135 / 290: Applied Data Science with Venture Applications

[Link to course website & syllabus](#)

Teaching team Spring 2020:

- Instructor: Ikhlaq Sidhu
- Instructor: Arash Nourian
- GSIs: Lillian Dong, Deirdre Quillen, ZHI LI, and Ishaan Malhi

*This is the official Github repository for the Data-X class at UC Berkeley*

Data-X Berkeley



# Projects

Students  
Proposals

Industry  
sponsored  
project  
(Volvo next  
week)

Datax library

# HWs

Project Assignment (HW1 via bCourses):

write down 3 ideas a project, 1-3 sentences each. Due within one. Submit with a google form [here](#) and [shared spreadsheet](#) to that everyone can see the concepts submitted. (5 points)

-A systems or application you will build

-Communicate: WHO the project is for, WHAT will it do, WHY this is needed/valuable.

Code Assignment (HW2):

- Python code review.



Due 01/27 at 11pm

Please submit early, since you are responsible for any technical issues you encounter; don't email us

# Python Bootcamp

14 videos (approx 14hrs) of wonderful Python tutorials.

Highly recommended!

Find the link at [data-x.blog/resources](http://data-x.blog/resources)



# Cloud Resources

## AWS Educate:

\$100 sign up  
+ package \$2k for 2 years



## Google Cloud:

\$300 sign up + 6 \* \$50 in cloud credits



Google Actual Cloud Platform

# Thanks!

Attendance Link:

<https://tinyurl.com/w58n4hl>



# Attendance

**END OF SECTION**