



COGS 108 – DATA SCIENCE IN PRACTICE

(DR. BRAD VOYTEK)

ENLIN WEI

SECTIONS A01 & A04

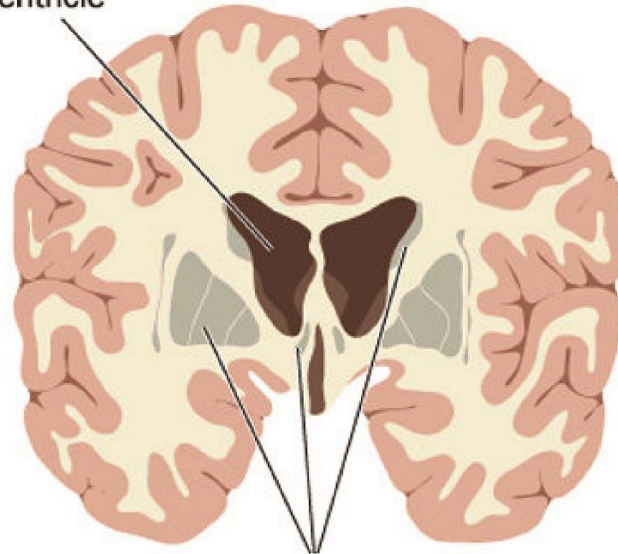
(MONDAYS & FRIDAYS 2PM-3PM)

ABOUT ME



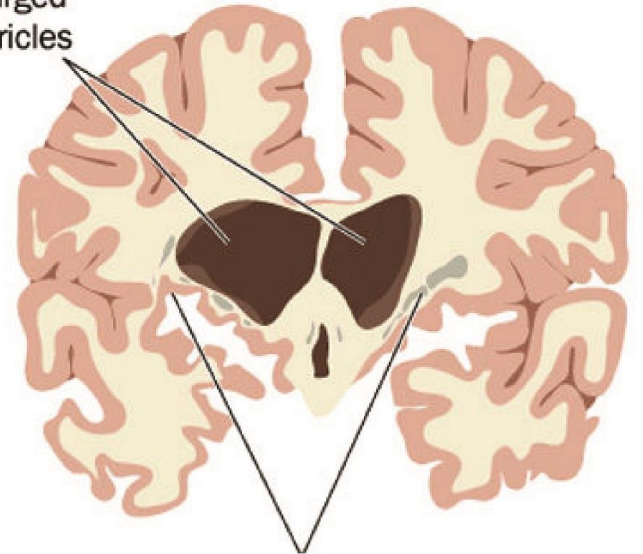
Normal brain

Ventricle



Huntington's disease

Enlarged ventricles



ABOUT YOU GUYS

- Get into groups of 4-5 where:
 - At most 2 people are the same major
 - Not everyone is the same year in college
 - There are at least 2 female students
- Talk! I want to hear the lively chatter of people meeting each other!
- I will randomly pick people to introduce someone else in their group, so make sure you get to know their: year, major, hometown, favorite food!

TODAY...

- Set up Python
- Set up Datahub
- Some demos
- Resources

SET UP PYTHON 3

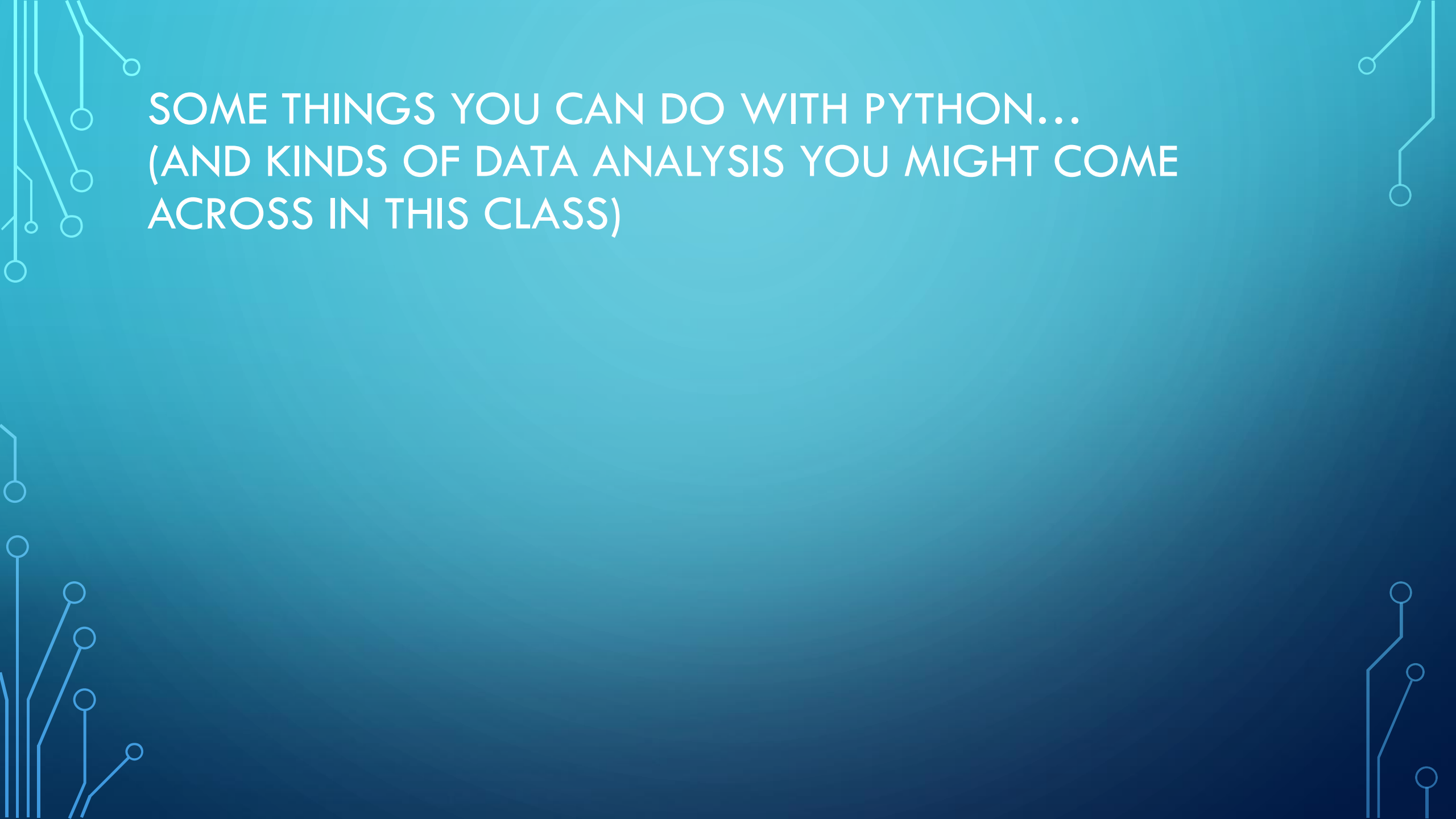


- If you don't already have Python 3 and above (3.6 and 3.7 are all okay), you can install [Anaconda Navigator](#) (choose Python 3.7 version)
 - Tutorial: <https://www.youtube.com/watch?v=T3ff57rxTa8> (Windows)
 - If you already have Python 3, great job, you're ahead of the game
- Anaconda allows you to install Python and also provides many tools and packages

SET UP DATAHUB



- Go to [Datahub](#)
- Log in with UCSD credentials and make sure it works

The background is a blue gradient. In the corners, there are white line-art illustrations of circuit boards or neural networks, with lines and small circles representing nodes and connections.

SOME THINGS YOU CAN DO WITH PYTHON...
(AND KINDS OF DATA ANALYSIS YOU MIGHT COME
ACROSS IN THIS CLASS)

SOME RESOURCES

- Teach me Python: [COGS18 Github repository](#)
- If you don't like that black window with the flashing cursor and white text: [Sourcetree](#)
- And of course, your TAs, IAs, and Dr.Voytek.
 - (Do try to come to us last-resort though. We're busy with our own school/research.)