INFO5002: Intro to Python for Info Sys

Admin

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Admin

I. Admin

II. Course Overview

Admin

Hi, I’m Zachary

- B.Sc and M.Sc in Computer Science from McGill University.
- Second time teachings this course.

Absences

- According to MGEN policy, you are allowed a maximum of **2** absences. *3 strikes and you're out*.
- For specific festivities and personal events, please tell me.
- For extended absences, please contact your academic supervisor.

Absence Tracking

- Attendance will be taken by quiz done at start of each class.

Disabilities

- If you are currently dealing w/ something that impacts your learning:
  - Do not tell me
  - Please contact *Disability Access Services*
  - *https://disabilityaccessservices.northeastern.edu/incomingandsunregisteredstudents/*

Health and Wellness

- If you have concerns around your health or wellness please contact Victoria Williams.
- v.williams@northeastern.edu
- https://we-care.studentlife.northeastern.edu/

Academic Advisor

- Say hello to your academic advisor.
- Antonio Fadda.
- Your one stop shop for everything academic and class related.

Academic Integrity

- You may have a lot going on and cheating may seem like a solution: It is not.
- You are here to learn. You are paying to learn... So learn.

Is this academically dishonest?

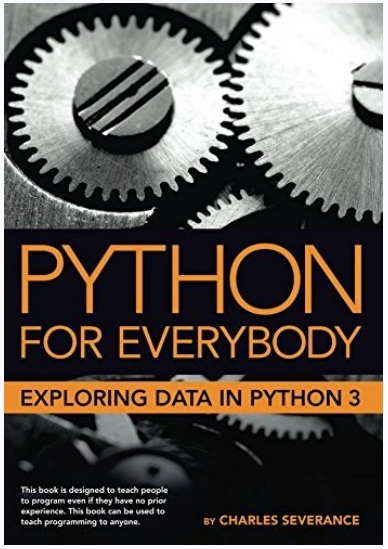
- Peeking at a peer's exam papers during an exam? **Yes**
- Working on an assignment with a peer where collaboration is not permitted? **Yes**
- Using online resources to find answers and copying? **Yes**
- Using a chatbot to provide answers? **Yes**
- Using a chatbot to help you come up with the solution without explicitly citing this assistance? **Yes**

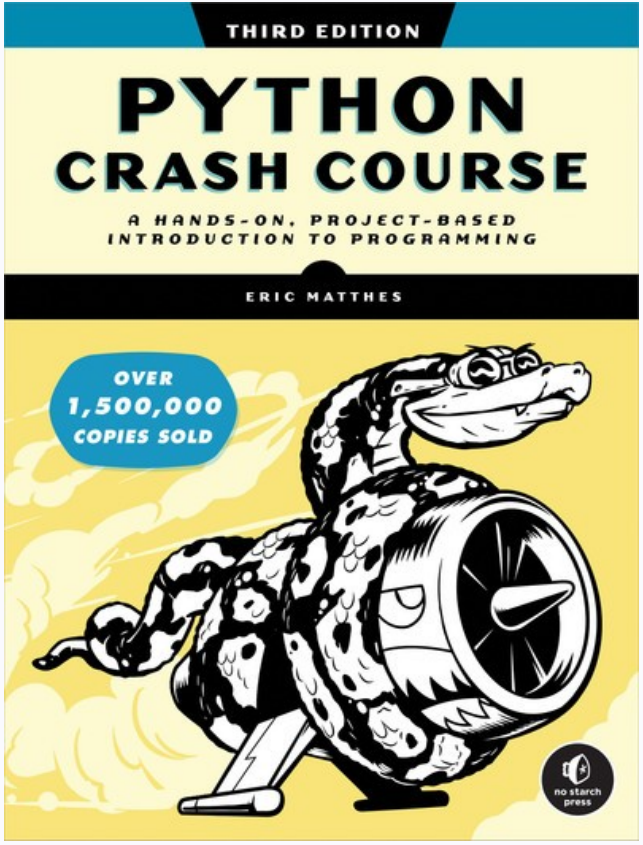
AI Chatbots

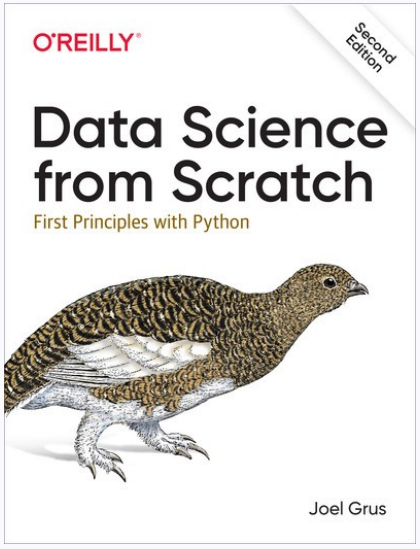
- As an introductory course you are **forbidden** from using any chatbots.
- Chatbots hamper learning and brain development. [1]
- Chatbots are trained on copyright infringed data and do not provide any citations to the original content.
  - They were trained on stolen code on the internet. So *your* python solution may have been stolen from other people's code.

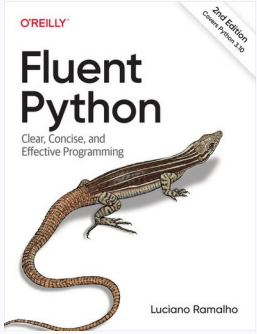
Course Overview

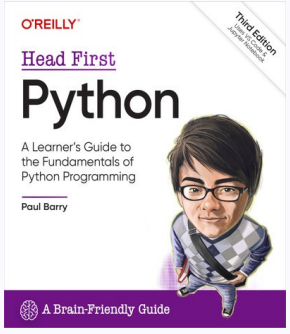
Textbooks











O'REILLY®

All images are taken from O'Reilly minus *Python for Everybody* which is taken from goodreads.

Breakdown

- Quizzes: **10%** (1% each)
- Exams: **45%** (15% each)
- Project: **45%**

Quizzes (10%)

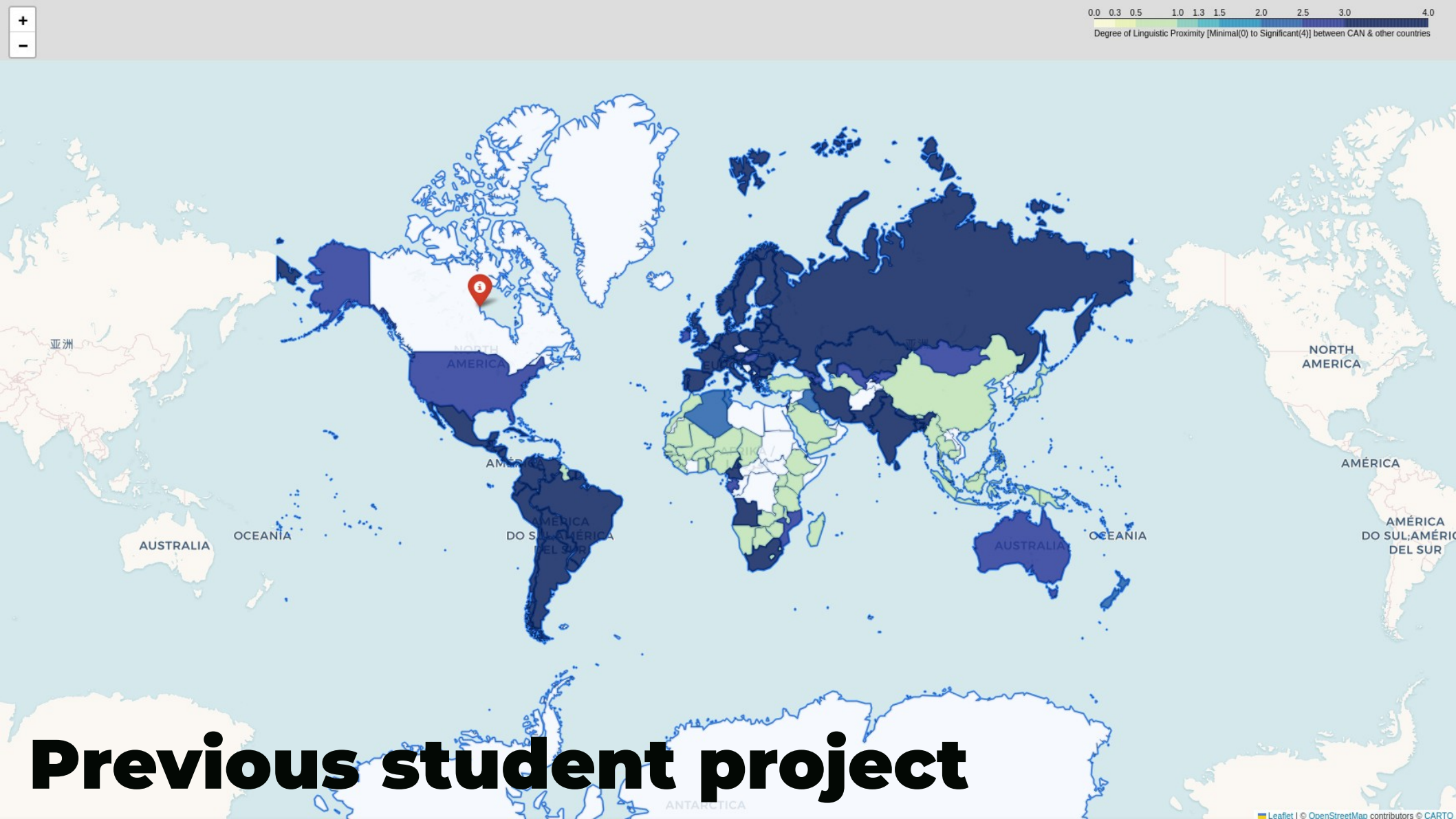
- A quiz will be administered at the start of each class (minus the days that are exams).
- Quiz will cover the previous week's material.

Exams (45%)

- There will be 3 exams that are not cumulative but build upon each other.

Project (45%)

- Open-ended where you take some dataset and perform an operation on it of your choice.
- E.g. environment Canada's weather data to predict average surface temperature at a city for a given year.
- Project topic due Feb 6th if you want feedback.



Previous student project

Late Policy

- Given the project is pushed as late as possible there is no late policy. Failure to submit on time will result in a 0.

Schedule

Week	Date	In Class Topic	Event
1	Jan 9	Outline, Computer Literacy, Python Intro, Data Types, and Variables	Q0
2	Jan 16	Operators and Functions	Q1
3	Jan 23	Conditionals and Loops	Q2
4	Jan 30	Collections: Lists, Dicts, and Tuples	Q3
5	Feb 6	OOP, Modularity, and Coding Practices	E1
6	Feb 13	Error Handling and Files	Q4
7	Feb 20	Regular Expressions and API	Q5
8	Feb 27	Testing, Logging, and Debugging	Q6
9	Mar 6	Spring Break (no class)	
10	Mar 13	Data Modelling and Visualisation	E2
11	Mar 20	Streamlit	Q7
12	March 27	Linear, Multiple, and Logistic Regression	Q8
13	Apr 3	Good Friday (no class)	
14	Apr 10	K-Nearest Neighbours, Decision Trees, and Perceptron	Q9
15	Apr 17	MLP + Deep Learning	Q10
16	Apr 24	Project OH	E3
17	Apr 26		Project Due

Citations

[1] https://arxiv.org/pdf/2506.08872