

Supervision 4: Predicting the Future with the Past

Date: Tuesday 25th February.

Excellence: *the aim of this session is reviewing classification/logistic regression from Lab 3 and introducing them to linear regression. The Powerpoint presentation will be more consistent than the previous ones, but help make sure they understand the material from Lab 3.*

Pre-knowledge required: ideally they should come to the session confident enough in their Python and data science skills, and have a good understanding/intuition of what logistic regression is.

Preparatory work required: [Lab 3 \(original\)](#).

Material needed:

- Prepare PowerPoint slides.
- Mark their homework and take notes on who managed to do what to better lead activity 2.

Plan

Session Start and Introduction (5min)

Remember to take attendance and ask for colour blindness, or to tell me about any disability they may have.

Small ice-breaker question: tell us about a goal, something you would like to achieve in the future? *Go around the room, each person that goes names the person to go next.*

Activity 1: Homework Review (5min)

- Ask them to pull up their feedback if they have not already. Give them a quiet moment to read the feedback, and think of any questions they might want to ask. **(5min)**

Activity 2: Powerpoint (20min)

Share the presentation on my screen.

- Review the content of Lab 3, and introduce linear regression to them.
- Before starting Lab 3.5, make sure they don't have any lingering questions about the math of Lab 3 and potentially go through part of the notebook before moving on.

Activity 3: Lab 3.5 (15min)

- Tell them to access the Lab 3.5 on Google Drive, or open an empty notebook.

- Ask them to go to: <https://www.gettingstarted.ai/applied-simple-linear-regression-model-using-python-for-beginners/>.
- Let them work through it quietly. **(10min)**
- Answer any questions they may have about the theory.

Summary: Question Time (5min)

Any questions?

Set the work for the following supervision: mention that they should submit by **Monday 3rd March, 5pm** (~24h before the next supervision) if they want me to mark their work.

Buffer (5min)