W12 COS30045

Lecture

Agenda

- Review

Class

Agenda

- Project

W12.1 COS30045

Lecture

Agenda	Reference
▪ Review	NA

Major Changes to Data Vis in 2025

Summary of changes

Stronger alignment of lecture content and tutorials

New lectures and tutorial activates

New content

- Data processing
- Data Governance and privacy
- Accessibility

Use of GitHub teams

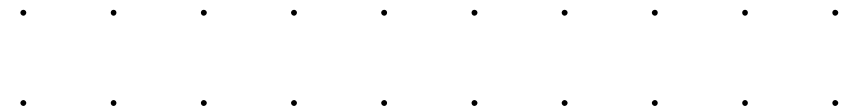Higher weight on demonstrations and standups

Project

Creating teams based on engagement in unit

Common critique and project

Late semester formation of teams

More formalised standups

Unit Review

Week 0

- Build website with GenAI

- Set up GitHub

- Host webpage on Mercury

Week 1

- Intro to data visualisation

- Data processing (KNIME – tv data set)

Week 2 Labour day weekend

- Data visualisation design basics

- Data exploration and basic chart types (KNIME)

- Week 0 expectations
- Was it fair or useful to get started with git, mercury early?

- How useful was KNIME?
- Did you need more directed/step by step exercises? More time?

- Lecture Content online, was this ok?
- Monday missing lab, setback? Or guided exercises enough?

Unit Review

Week 3

- Storytelling with data
- Data governance and privacy
- Communicating data insights

Week 4

- Intro to D3

Week 5-6

- D3 charts

Week 7

- Psychology
- Data vis design review activity

- Was Lecture content useful to help learn D3?
- Were Exercises useful to help learn D3?
- Do you need more step by step?
- How much did you use textbook/lecture notes vs GenAI

Unit Review

Week 8
- Accessibility

Week 9
- GitHub Teams
- Usability testing

Week 10
- Interaction design
- Team project management tips

Week 11
- Data visualisation review
- Stand-ups

- Was team formation smooth?
- Fair?
- How did you go with GitHub teams?

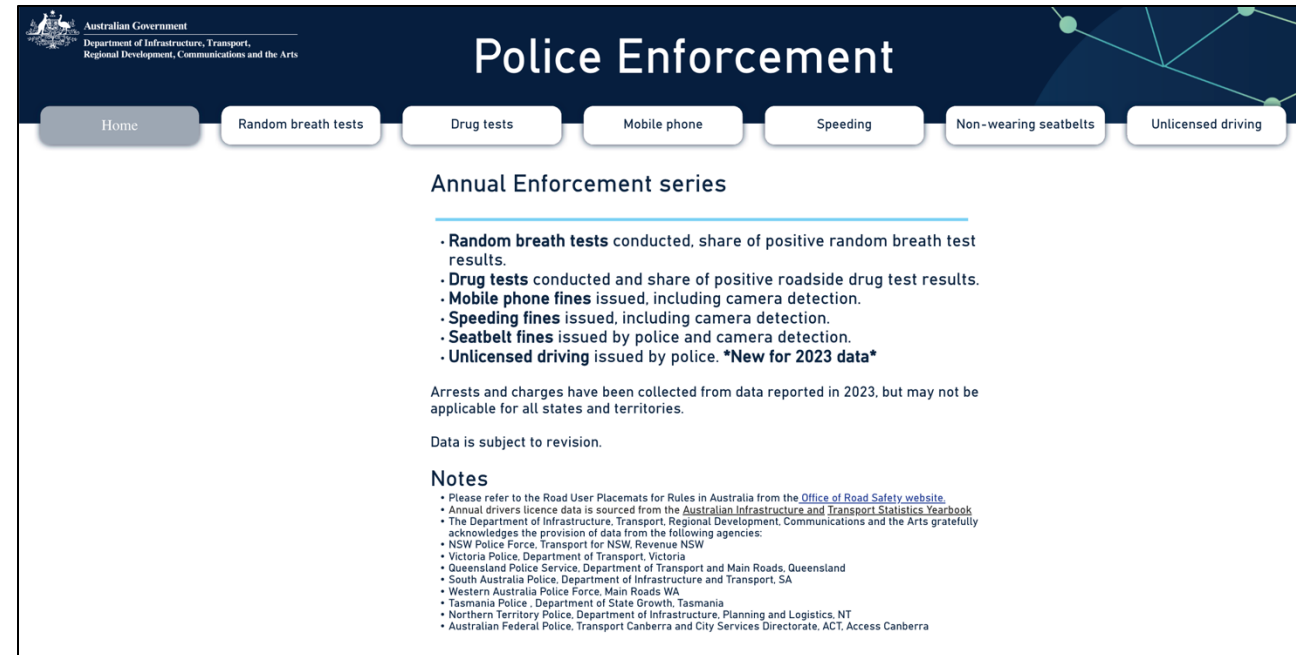- Are stand-ups too much work, or do they help keep you on track?

Visualisation Critique

Aim: Critique visualisation according to data visualisation guidelines

Due: Week 7 (just before Easter)

Structure

- Introduction

- Data Processing and Governance

- Visualisation Design

- Recommendations

Data Visualisation Project

Aim: Design and build visualisations on the Police Enforcement website
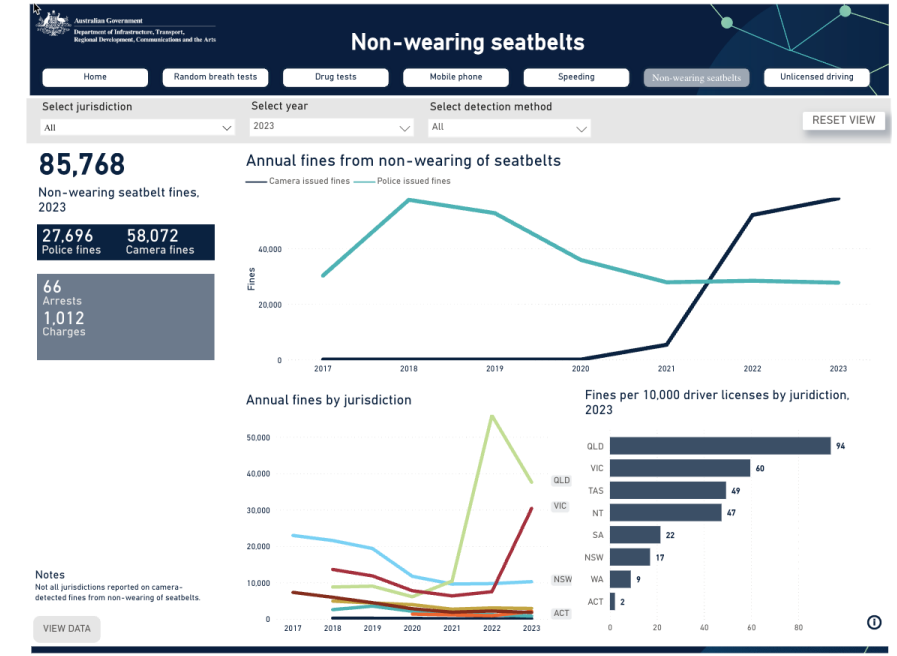
Due: Week 13 (after semester)

Pair project (teams formed by tutor) in Week 8

Submission:

- Design Book
  - Purpose, data processing, design, evaluation...

- Website

- Was it helpful to have critique and project on same website?
- Did it make it too easy?

One of the dashboards

Demonstrations

Demonstration 1 (week 3)

- Draft website (check on git and Mercury)
- KNIME data analysis

Demonstration 2 (week 5)

- Answering questions with data
- Chart design
- Adding static charts to website

Demonstration 3 (week 8)

- D3 charts

- Did you feel exercises and Demo's prepared you to do project?
- Did you feel labs a 'waste of time' due to tutor assessing demonstrations rather than 'teaching'?

- Do we need multiple demonstrations, or would one set in mid-sem be enough?