Link:
https://docs.google.com/document/d/16J5s-l9KiY7Y6pD2_l7M-1kXu-uF0SK0VpyavN4FOs0/edit

Requirement

Take your audience on a journey with you - what's your data, what's your modelling goal, how did you select your model, how did it perform, did it yield any insights?

Presentations will be assessed on the following items:

- Data description:
- Appropriate model selection→ whats the modelling goal, how did you select your model
- Assumption checking (Linearity, independent, homoskacity, normality) → autoplot

  If the assumption not fit so well, log/log-log should be used

- Discussion of results
- *Clarity of the key messages* → how did it perform, any insights
-
- *Group collaboration*
- *Slide design and legibility*
- *Innovation*

Model stability ?

- Shiny app is only for summary not this presentation
- Implementing predictive model to choose the variables they want to include
- Need to discuss model stability, how stepwise they arrive at a model is this the best model or is there another model
- Mmplot: Evaluate stability of selective choice, of model
- Here a some candidate models and assess that
  - Cross validation
- Think more critically of model selection and stability choice

If use categorical variables if we make it a factor

- at most 8 minutes (roughly 8 content slides)
- what's your data, what's your modelling goal, how did you select your model, how did it perform, did it yield any insights?
- Rubric: https://pages.github.sydney.edu.au/DATA2002/2022/project.html#rubric

- Data description
- Appropriate model selection
- Assumption checking
- Discussion of results
- Clarity of the key messages
- Group collaboration
- Slide design and legibility
- Innovation

- your recording will need to show the presenter's face; A relatively easy way to get to level 2 for innovation is to generate your presentation using R markdown
- In the model selection stage, DATA2902 need to consider the stability of their model selection decision. See Week 10 and 11 for details.

Plan (Fine to have more pages)

- Page 0 (Group info/title page)- Charlotte
  - Title
  - Group name
  - Members name

- Page 1 (Introduction): Charlotte
  - Topics: Predict the housing price (modelling goal)
  - Data description: where it comes from, what it is about
  - What did we do: eg. what variables we choose
  - How we do it: methodology

- Page 2 (Basic summary of the data): Charlotte
  - Glimpse function
  - Summary of the variables we chose – outliers?

- Page 3 (simple regression): yijia zhao(rebecca)
  - How did you select the model
  - Assumption checking (interactive plots?)
  - Simple regression

- Page 4 (Multiple regression): Alicia
  - Multiple regression → do the backwards/forwards aic step then do the assumption checking on that
  - Assumption checking

    - Cross validation: checking

- Page 5 (Results) - together
    - What our models are (both simple and multiple)

- Page 6 (Discussion) - Yi Zheng
    - Evaluate how well the models (both simple and multiple) work
    - What are the limitations of the models

- Page 7 (More discussion: Model stability) - Yi Zheng/Mu-Wei
    -

- Page 8 (References if any)