

# STA 235 - Prediction Project

[Name 1]

[Name 2]

## Classification task

[Brief description of the task and available data]

### I. Method 1 (Preferred)

- Explain the method you are using and briefly describe why you chose that one (you can describe whether you tried others before and settled on this one).
- Describe the training process for your model: Data used (split, if applicable), parameters chosen (e.g. how they were chosen). Here you can use plots, if applicable.
- Show the results for your training model (e.g. final model, covariate importance, etc.) and accuracy/measurement error. Show plots or tables, if applicable.

### II. Method 2

- Explain the method you are using and briefly describe why you chose that one (you can describe whether you tried others before and settled on this one).
- Describe the training process for your model: Data used (split, if applicable), parameters chosen (e.g. how they were chosen). Here you can use plots, if applicable.
- Show the results for your training model (e.g. final model, covariate importance, etc.) and accuracy/measurement error. Show plots or tables, if applicable.

[Include a brief description on how these two methods compare and why you think method I works better than method II]

## Regression task

[Brief description of the task and available data]

### I. Method 1 (Preferred)

- Explain the method you are using and briefly describe why you chose that one (you can describe whether you tried others before and settled on this one).

- Describe the training process for your model: Data used (split, if applicable), parameters chosen (e.g. how they were chosen). Here you can use plots, if applicable.
- Show the results for your training model (e.g. final model, covariate importance, etc.) and accuracy/measurement error. Show plots or tables, if applicable.

## II. **Method 2**

- Explain the method you are using and briefly describe why you chose that one (you can describe whether you tried others before and settled on this one).
- Describe the training process for your model: Data used (split, if applicable), parameters chosen (e.g. how they were chosen). Here you can use plots, if applicable.
- Show the results for your training model (e.g. final model, covariate importance, etc.) and accuracy/measurement error. Show plots or tables, if applicable.

[Include a brief description on how these two methods compare and why you think method I works better than method II]

### **Notes:**

- Always remember to set a seed, so we can replicate your results.
- Remember to load all the packages you are using in your code. If you don't load a package explicitly on your script, we won't be able to replicate your results!
- If you use code or knowledge from any other source, **remember to include it as references in your write-up**. If you don't cite your references accordingly and we find evidence of plagiarism, disciplinary measures will take place.