Goal: The goal is to predict new patients angiographic disease status: if patients has less than 50% diameter narrowing or more than 50% diameter narrowing

- **Introduction**: context and background information
  - External sources citation
  - Mention what variables are believed to be associated with the response variable based on the background information
  - Approximately 100 words
- **Exploratory Data Analysis**
  - Explore potential relationships between the variables
  - Provide graphs and visualization showing relationships with descriptions (around 20 words for each)
  - Make transformations of some variables
  - Discover some possible interactions between variables
- **Preprocessing / Recipes**
  - Create different recipes, and explain reasons behinds the steps
  - Perform preprocessing of variables
  - Approximately 100 words
- **Candidate Models**
  - Construct various candidate models
  - Describe each candidate model briefly
  - Include a table listing of all candidate models attempted with
    - Model Identifier
    - Type of Model
    - Engine
    - Recipe used or listing of variables in the model
    - Hyperparameters
- **Model Evaluation and Tuning**
  - Discuss the evaluation and comparison of the candidate models that were attempted

- ○ Construct V-fold cross validation to measure the performance of the candidate models
- ○ Tuning the hyperparameters
- ○ Summarize the performance of each model with a table, including:
  - Model identifier
  - Metric score: RMSE
- ○ Include autoplot comparing the performance of the different models
- **Appendix:**
  - ○ The final script used to produce results with annotated comments