Math456 Math Modeling Team-essay 1:

The following article is from,

http://www.john-ros.com/Rcourse/lm.html

Project-1: Please read the above articles through the links to understand how to use simple linear regression model to make a forecasting. You may download some data for simple linear regression from internet and follow the structure as the article to complete the project.

Instruction of the essay

- 1. You can name your own article title
- 2. Structure of the essay, six parts, each part is worth 1 point. Total 6 points, if pass the final defense, then +4 points=10 points.
 - (1) Introduction

Formula and basics Loading required R packages

(2) Data description

Examples of data and problem Visualization

(3) Analysis

Computation Interpretation

(4) Model evaluation

Regression line Model assessment Model summary Coefficients significance Prediction and Model accuracy

(5) Conclusion

Summary

(6) Reference

Data set: there are 12 data sets for simple linear regression

https://college.cengage.com/mathematics/brase/understandable_statistics/7e/students/datasets/slr/frames/frame.html

http://www.statsci.org/data/first.html