

Math456 Math Modeling Team-essay 3:

The following article is from,

<https://www.guru99.com/r-generalized-linear-model.html>

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

Project-2: Please read the above article to know about how to use generalized linear regression model to make a forecasting. You may download some data for generalized linear regression modeling on internet and follow the structure 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.
3. Introduction

- Formula and basics
- Loading required R packages

4. Data description

- Examples of data and problem
- Visualization

5. Analysis

- Computation
- Interpretation

6. Model evaluation

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

7. Conclusion

- Summary

8. Reference

Data set: <http://data.princeton.edu/wws509/datasets/#phd>
<http://www.statsci.org/data/glm.html>