Math456 Math Modeling Final Essay:

The following article is from,

https://bookdown.org/ccolonescu/RPoE4/time-varying-volatility-and-arch-models.html

OR

https://rpubs.com/cyobero/arch

Project-6: Please read the above article to know about how to use ARCH model to make a forecasting. You may download some data from yahoo finance,

1. Go to **Yahoo Finance** at https://finance.yahoo.com/
2. Enter a quote into the search field.
3. Select a quote in the search results to view it.
4. Click Historical **Data**.
5. Select a Time Period, **data** to Show, and Frequency.
6. Click Apply.
7. To use the **data** offline, click **Download Data**.

and follow the structure of 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
   (2) Data description
   (3) Analysis
   (4) Model evaluation
   Prediction and model accuracy
   (5) Conclusion
   (6) Reference