

POLS 6481 - Methods 2 - Lab 5

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Overview

1 Statistics

- Lab 4 Followup: Statistics
- Lab 5: Statistics Overview

2 Technical Lab

- Lab Survey from last week
- Lab 4 Followup: Coding
- Lab 5: Coding

Concepts and comments

Heteroskedasticity

- What is it? (Review)
- Detect it
- Fix it

Things to look for!

- **Breusch-Pagan Test**
- Score Statistic - LM Test
- Cook-Weisburg test
- **White Test** - save the script!
- Weighted Least Squares/Feasible Generalized Least Squares
- Log transformation

More to come

Since not everyone has finished, I will release answers after Wednesday.

More on Question 10

You can list the elements two ways:

- `names(modelname)` - Example: `names(dummy)`
- `str(modelname)` - Example: `str(basic)`

Some more good starting information and alternate methods

- <https://gettinggeneticsdone.blogspot.com/2011/02/extracting-values-from-r-summary.html>
- <https://stackoverflow.com/questions/11267376/how-to-extract-coefficients-from-elrm-summary-output>

Things to look for

- **White test script - save this file**
- Long methods are for understanding the stats, but...
- Following the coding is good for understanding the code
- **Save** the simple methods
- **Really understand** the coding of the simple methods

The End