

MA 5230 Statistics Report

1 The Data Report - Outline

1. Introduction - state data, problem and question (less technical)
2. Data Description - what it is, a sample and more detailed description (more technical)
3. Exploratory Data Analysis - plus explanation what was the analysis and what did you find (more technical)
4. Data Analysis - describe Model what was the methodology and (more technical) - Use a regression and follow chapter 7 (see page 7-59) in SAS book
 - pick the simpler model and
 - more accurate model.
5. Conclusion of this statistical analysis: describe how a non-statistician can use this knowledge (less technical)
6. further work -
 - (a) how can I redo this analysis and improve
 - (b) what other questions can we ask with this data
 - (c) Or any other further thoughts

2 The Virtuous Data Cycle

1. Collect Data
2. Clean and Normalize
3. Exploratory Data Analysis
4. Data Analysis
 - (a) Model
5. Recommendations for next cycle and hen collect data...