

## Report

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# A Nice Report (give us a title)

By [First Name] [Last Name] (your name here)

September, 29 2015 (date)

## EXECUTIVE SUMMARY

An analysis of data relating to....

## ABSTRACT

We explore, clean and study data relating to...

Our exploration reveals incomplete data from many of the years, so we limit our analysis to...

We find....

## 1. Introduction

More complete discussion of the problem, the data, etc...

What are we interested in, what is our goal? Where did the data come from? How many cases are there? Relate gross summary of data to the problem of interest.

Background (other work that may have been done, including citations).

Layout the structure of what will follow. i.e. Section 2 begins with a basic description of the data set. Section 3 continues with more detailed exploratory data analysis. Section 4 lays out the methodology of our analysis, and section 5 presents the results of the analysis. Section 6 concludes with a discussion.

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### 2. About the data

This may be quite short and factual. Describe all variables, etc... in more detail than the basic introduction presented above. This might be quite long if serious data scraping were part of the project, although in that case, a somewhat short overview might be sufficient, with code and more discussion (if helpful) placed in an appendix.

### 3. Exploratory data analysis

Univariate summaries, tables, data cleaning, acknowledge choices made (these may be judgement calls) along the way. Example: missing ages – can't really do anything other than drop them, but ought to look at other characteristics of these people to see if there is a pattern. Basic graphical exploration; examine claims made (perhaps) about the data source, the nature of the data, the problem of interest, etc... This can be quite long, but don't include stuff without discussion! Take care to produce nice plots, etc...

“Based on this preliminary analysis, I chose to limit the formal analysis to only years 2003 and 2004.”

### 4. Methods (optional)

There should be NO RESULTS HERE. Our approach is to use multiple regression (or logistic regression) to model interview status as a function of age and available secondary demographic variables.

### 5. Results (or Analysis or Analyses).

The full-blown analysis. Don't just dump stuff here. Include what is important, and certainly include important “final analyses” even if intermediate steps were excluded or relegated to an appendix. Everything included should be discussed and referenced clearly, with tables and

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figures numbered, titled, etc...

Regression outputs should be complete! Format nicely. Use fixed-width font (e.g. Courier) so everything is spaced properly. Put results, tables, plots, and so on HERE, not in an appendix.

See appendix for comment.

Definitely include model diagnostics, residual plots, etc...

Avoid phrases like, "Next, we gotta look at the residuals."