Project 3, BIOS 6623

Trajectories of Onset of Memory and Other Cognitive Loss

Rachel Johnson

27 November 2017

**Introduction**

The goal of this project is to identify trajectories of onset of memory and other cognitive onset loss in a population of 216 individuals at risk of developing mild cognitive impairment (MCI) or dementia.

Final written report:

* Introduction: Briefly describe the project (including data received from the investigator) and the scientific hypothesis of interest. Rephrase the scientific hypothesis of interest into testable statistical hypotheses (~.5 page).  Note this is NOT a scientific introduction to a paper and should give information pertinent to the data analysis, not more general biology background.
* Methods: Describe the methods used to clean and analyze the data. Justify and explain your data analysis approach (~ 2 pages).  Should be written in past tense and should not include results.  Do NOT include equations.
* Results: Present results for analyses described in the methods (~1-1.5 pages). Use Tables and Figures as appropriate, including in the text the full interpretation of statistical results for the main findings (i.e. point estimates, confidence bounds, p-values, interpretation of results of test).
* Conclusions: Interpret your results (~.5 to 1 page) in context of scientific question(s). Also discuss any limitations to your analysis that may affect interpretation or that require additional consideration by the investigator.
* Reproducible research information: See below (**Reproducible Research**).

**Methods**

**Results**

**Table 1.** This table displays

**Conclusions**

**Code**

The code for this project can be found at <https://github.com/BIOS6623-UCD/bios6623-johnsra3/tree/master/Project3/Code>.