



# *Final Project II*

Currently



- What You Should Have?
  - A Data Set
  - Exploration on Multiple Angles
  - Preliminary Visuals or Tables
  - Detailed Follow-Up Questions
  - Investigation on Questions
- Final Steps
  - Narrow Down All Work to Two Questions of Interest
  - Build Multiple Models to Answer those Questions
  - Evaluate and Compare Models

Currently



- Presentation and Paper
  - Highly Related
  - All Group Members Should Be Involved in Both Parts
  - Advice
    - Paper ➡ Presentation
    - Presentation ➡ Paper
- Feel Free to Notify Me if...
  - A Member has Dropped
  - A Member has Avoided Work
  - A Member has Been Utterly Useless
- Full Privacy in Email

## Part 4 Final Paper



- Intentionally Going Backwards
- RMarkdown Template Included
- Sections of Paper
  - Introduction
  - Data
  - Results
  - Conclusion
- Read Description and Look at Template Provided Online
- Detailed Rubric Combines Objectivity and Subjectivity

## Part 4 Final Paper



- Introduction
  - States Two Questions
  - Explains Why They Are Interesting or Important
  - Should Excite the Reader
- Grading
  - 2 Clearly Defined Questions
  - Am I Interested?
  - Free of Errors

## Part 4 Final Paper



- Data
  - Describes
    - Source of Data
    - Variables of Interest
    - Observations
  - Descriptive Figures and Stats
    - 1 Table Printed Nicely
    - 1 Figure Printed Nicely
  - Grading
    - Data Adequately Described
    - Table (2 Points)
    - Figure (2 Points)
    - Free of Errors

## Part 4

### Final Paper



- Results
  - Use Predictive Modeling Techniques for Questions
  - Clearly Explain the Methods and Models Considered
  - Multiple Models For Each Question
  - Clearly Explain the Results and How They Answer Your Question

## Part 4 Final Paper



- Results
  - The Longest Part of the Paper
  - Advice: Organize Into Subsections
- Grading
  - Appropriate Methods with Multiple Models
  - Adequate Explanation of Results
  - 4 Figures and/or Tables (2 Points Each)
  - Free of Errors



## Part 4 Final Paper



- Conclusion
  - Restate Questions Along with Summarized Results
  - Why are These Results Interesting to Those Who May Care about the Data?
  - Where Do We Go from Here?
  - Grading
    - Summarize Questions and Results
    - Do I Want to Learn More?
    - Free of Errors

## Part 4 Final Paper



- Final HTML
  - Submit on Sakai by Deliverer
  - No R Code
  - Figures Should Be Labeled, Colored, and Appropriate
  - Tables Should Be in HTML
    - xtable Package
    - kable Package
  - Completely Free of Grammatical/ Spelling Error

## Part 4 Final Paper



- Final Ranking
  - Rank Members According to Their Level of Contribution
  - Rank Goes From 1 to Number of Members
  - Required to Rank Yourself
  - Every Member Gets a Different Number (No Ties)
  - Submit on Sakai Before Final Paper is Due
  - CSV Template on Website

| Name          | Rank |
|---------------|------|
| James, Lebron | 4    |
| Smith, J.R.   | 1    |
| Lue, Tyronn   | 2    |
| Love, Kevin   | 3    |

## Part 3

### Final Presentation



- Select 1 of the 2 Questions
- Details
  - 3-5 Minutes
  - Slideshow Presentation
  - At Least 4 Visuals (Graphics or Tables)
  - Ordered by Group Number
- Subjective Grading (1, 2, or 3)
  - Explanation of Question
  - Explanation of Methods
  - Organization of Content
  - Eye Contact/Body Language
  - Slide Quality

## Part 3 Final Presentation



- All Members Involved
  - Creation of Slides
  - Organization of Content
  - Practice Presentation
  - Proofreading of Slides
  - Q & A
  - Attendance (5 Points)
- Questions From Audience
  - Maximum of 2 Questions
  - Ability to Answer (2 Points)
  - No Q's = 2 Points
- Read Description on Course Website

Closing



Disperse  
and Make  
Reasonable  
Decisions