|  |  |
| --- | --- |
| Criteria | Points possible |
| Writing |  |
| Abstract | 5 |
| Introduction | 5 |
| Methods | 5 |
| Results | 5 |
| Discussion | 5 |
| References | 5 |
| Code |  |
| Document is fully reproducible | 25 |
| Demonstrate use of inline code | 5 |
| At least two data visualizations | 10 (5 pts each) |
| Demonstrate tidying messy data using: |  |
| pivot\_longer() | 5 |
| select() | 5 – done |
| filter() | 5 – done |
| pivot\_wider() | 5 |
| At least one table of descriptive statistics | 10 |
| group\_by() | 5 |
| summarize() | 5 |
| Total | 110 |

Tidying Messy Data – Xiaoyu and Sarah

* Rows by participant
* Outliers
* Only US
* data %>%

filter(!age == 1993) %>%

nrow()

table(data$country)

data %>%

filter(!age == 1993, country == “US”) %>%

nrow()

PCA – Vinita + 1 table

Data Visualization (two) – Sarah, Xiaoyu

Descriptive tables (one/two) – Xiaoyu

Writing

Methods/Data Analysis plan – Vinita

Results – Xiaoyu, Sarah, Vinita

Intro – Sarah, Xiaoyu

Abstract – Xiaoyu (or Sarah)

Discussion – Vinita

-PCA (Vinita)

- Other stuff