Grading Guide: Lab 3 (dplyr)

**Summary Section**

**Question 0**

* Note whether they read in the data with the here() function
  + This was not required, but highly encouraged

**Question 1 - Allison will Grade**

**Question 2**

* 4: Rows are one word for each participant
* 3: Talk about how rows are words, but don’t connect with there being multiple rows for each participant
* Redo: Do not mention that each row is a word or connect to how many rows there are for each participant

**Question 3 – Allison wil Grade**

**Question 4 – Allison will Grade**

**Question 5**

* 4: Use distinct() and count() to get 64 words
* 3: Use a “base R” method to get 64 words
* Redo: Do not get 64 words OR simply state there are 64 words without code

**Question 6**

* 4: Use mutate() and if\_else() to create a new variable based on values of ethnic variable
  + Note: Can use case\_when() instead of if\_else()
* 3: Use a “base R” method to create the variable
* Redo: Do not effectively create a new variable

**Question 7 – This answer will depend on how they “cleaned” their data**

* 4: Discusses **all**
* 3: Discusses **two**
* Redo: Discusses **one or none**
  + number of female / male participants
  + number of participants in ethnic groups and/or number of white/non-white participants
  + summaries for the ages of the participants (e.g. min, max, mean, median)

**Question 8**

* 4: Produces two appropriate plots
* 3: Produces two appropriate plots, but forgets to change axis labels and/or plot titles
* Redo: One of more of the plots produced **are not** appropriate

**List of Appropriate Plots**

* Histogram of ages
  + Can add colors/facets for sex or ethnic variable(s)
* Boxplot of ages
  + Can add colors/facets for sex or ethnic variable(s)
* Barplot of sex and/or ethnic
  + Can add colors/facets for other variable(s)

**Familiar Words Section**

**Question 1 (answers could depend on data cleaning)**

**Part (a) – “off the hook” most familiar, “catch the vapors” least familiars**

* 4: Uses filter() to remove observations under 20, groups by word, uses summarize\_at() to calculate the mean familiarity score
  + Answer should be “off the hook”
  + Note if group uses summarize() instead of summarize\_at()
* Redo: If group does not use these 3 tools

**Part (b) – “feel me” most familiar, “break someone out” “dukey rope” “plex” and “rollie” least familiar**

* 4: Uses filter() to retain “Female” and “non-white” participants, groups by word, uses summarize\_at() to calculate the mean familiarity score
  + Note if group uses summarize() instead of summarize\_at()
* Redo: If group does not use these 3 tools

**Part (c) – “5-0” most familiar, 25 terms are the least familiar**

* 4: Uses filter() to retain “Male” and “white” observations over 30, groups by word, uses summarize\_at() to calculate the mean familiarity score
  + Note if group uses summarize() instead of summarize\_at()
* Redo: If group does not use these 3 tools

**Question 2 (answers could depend on data cleaning)**

**Part (a) – Largest Difference = Rock**

* 4: Groups by sex, uses summarize\_at() to calculate mean, difference in means, absolute value of difference
* 3: Groups by sex, uses summarize\_at() to calculate mean (answers question though visual inspection)
* Redo: Does not use summarize\_at() to calculate mean

**Part (b) -- Largest Difference = Rock**

* 4: Groups by ethnic\_group variable created, uses summarize\_at() to calculate mean, difference in means, absolute value of difference
* 3: Groups by ethnic\_group variable, uses summarize\_at() to calculate mean (answers question though visual inspection)
* Redo: Does not use summarize\_at() to calculate mean

**Part (c) -- Largest Difference = Alternative**

* 4: Creates a new “drinking” variable or filters observations based on age being less than 21, uses summarize\_at() to calculate mean, difference in means, absolute value of difference
* 3: Creates a new “drinking” variable or filters observations based on age being less than 21, uses summarize\_at() to calculate mean (answers question though visual inspection)
* Redo: Does not use summarize\_at() to calculate mean