Elderly family member vs Risk of COVID & Children in household vs Risk of Covid

# Library

Attaching package: 'dplyr'

The following objects are masked from 'package:stats':  
  
 filter, lag

The following objects are masked from 'package:base':  
  
 intersect, setdiff, setequal, union

── Attaching packages ─────────────────────────────────────── tidyverse 1.3.2 ──  
✔ ggplot2 3.4.0 ✔ purrr 0.3.5  
✔ tibble 3.1.8 ✔ stringr 1.5.0  
✔ readr 2.1.3 ✔ forcats 0.5.2  
── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
✖ dplyr::filter() masks stats::filter()  
✖ dplyr::lag() masks stats::lag()  
here() starts at /Users/jacobmatta/Documents/R/ASU-Project-

# Load data

# table for elderly family member x “I (or my chidlren) am at risk of getting a COVID-19 infection”

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 109 114 114 44 94  
 Yes 24 27 22 16 24

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 0.18537415 0.19387755 0.19387755 0.07482993 0.15986395  
 Yes 0.04081633 0.04591837 0.03741497 0.02721088 0.04081633

Pearson's Chi-squared test  
  
data: Feb28$Elderly\_family and Feb28$Question\_15  
X-squared = 3.1685, df = 4, p-value = 0.53

# table for elderly family member x ” My family members are at risk of COVID-19 infection ”

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 96 70 82 31 71  
 Yes 15 17 20 14 18

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 0.22119816 0.16129032 0.18894009 0.07142857 0.16359447  
 Yes 0.03456221 0.03917051 0.04608295 0.03225806 0.04147465

Pearson's Chi-squared test  
  
data: Feb28$Elderly\_family and Feb28$Question\_16  
X-squared = 6.4603, df = 4, p-value = 0.1673

# table for elderly family member x ” I feel knowledgeable about the risk of getting COVID-19 infection”

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 142 15 40 110 28  
 Yes 32 5 10 31 5

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 0.33971292 0.03588517 0.09569378 0.26315789 0.06698565  
 Yes 0.07655502 0.01196172 0.02392344 0.07416268 0.01196172

Warning in chisq.test(Feb28$Elderly\_family, Feb28$Question\_17): Chi-squared  
approximation may be incorrect

Pearson's Chi-squared test  
  
data: Feb28$Elderly\_family and Feb28$Question\_17  
X-squared = 1.4288, df = 4, p-value = 0.8392

# table for elderly family member x “I am worried about the likehood of getting a COVID-19 infection in the near future”

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 78 63 104 32 62  
 Yes 24 15 20 8 13

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 0.18615752 0.15035800 0.24821002 0.07637232 0.14797136  
 Yes 0.05727924 0.03579952 0.04773270 0.01909308 0.03102625

Pearson's Chi-squared test  
  
data: Feb28$Elderly\_family and Feb28$Question\_18  
X-squared = 2.1774, df = 4, p-value = 0.7032

# table for Children household x “I (or my chidlren) am at risk of getting a COVID-19 infection”

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 88 88 83 34 77  
 Yes 44 52 53 26 42

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 0.14991482 0.14991482 0.14139693 0.05792164 0.13117547  
 Yes 0.07495741 0.08858603 0.09028961 0.04429302 0.07155026

Pearson's Chi-squared test  
  
data: Feb28$Children and Feb28$Question\_15  
X-squared = 2.1707, df = 4, p-value = 0.7044

# table for Children household x ” My family members are at risk of COVID-19 infection ”

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 76 51 63 28 62  
 Yes 36 36 38 16 29

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 0.17471264 0.11724138 0.14482759 0.06436782 0.14252874  
 Yes 0.08275862 0.08275862 0.08735632 0.03678161 0.06666667

Pearson's Chi-squared test  
  
data: Feb28$Children and Feb28$Question\_16  
X-squared = 2.5945, df = 4, p-value = 0.6278

# table for Children household x ” I feel knowledgeable about the risk of getting COVID-19 infection”

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 118 12 31 87 21  
 Yes 54 8 19 57 12

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 0.28162291 0.02863962 0.07398568 0.20763723 0.05011933  
 Yes 0.12887828 0.01909308 0.04534606 0.13603819 0.02863962

Pearson's Chi-squared test  
  
data: Feb28$Children and Feb28$Question\_17  
X-squared = 2.6121, df = 4, p-value = 0.6247

# table for Children household x “I am worried about the likehood of getting a COVID-19 infection in the near future”

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 63 48 81 23 53  
 Yes 39 30 45 15 23

Agree Disagree Neutral Strongly Agree Strongly Disagree  
 No 0.15000000 0.11428571 0.19285714 0.05476190 0.12619048  
 Yes 0.09285714 0.07142857 0.10714286 0.03571429 0.05476190

Pearson's Chi-squared test  
  
data: Feb28$Children and Feb28$Question\_18  
X-squared = 1.7049, df = 4, p-value = 0.7898