I have created two separate R projects for question 1 (minimum effects project) and 2 (Bayes ANOVA), respectively

1. Using the paper “Right Wing Authoritarianism”

The authors used Right Wing Authoritarianism (RWA) to predict diffrences in response time to in-group and out-group faces, and found a squared correlation of .07, which was significan, withF(1,161) = 4.81 (see highlighted material on p. 3)

* 1. Determine the critical *F* value for testing the hypothesis that RWA accounts for 1% or less of the variance in responses for the analysis that is highlighted
     1. This will require you to enter the appropriate values in the R script for df, F and execute the script
  2. Using Appendix B from Murphy, Myors & Wolach (2014), what can you say about the power of this study for rejecting
     1. The traditional null hypothesis
     2. The hypothesis that RWA accounts for 1% or less of the variance in responses
  3. Use Appendix C from Murphy, Myors & Wolach (2014). Assuming that the effect size reported here is an accurate reflection of the population, approximately what sample size would you need to have power of .80 for rejecting
     1. The traditional null hypothesis
     2. The hypothesis that RWA accounts for 1% or less of the variance in responses

1. Using file retirement.csv
   1. Use ANOVA to determine whether gender and occupational level (occupation) are related to mental health
   2. Use the BayesFactor package to do a comparable analysis
   3. Interpret and compare the results