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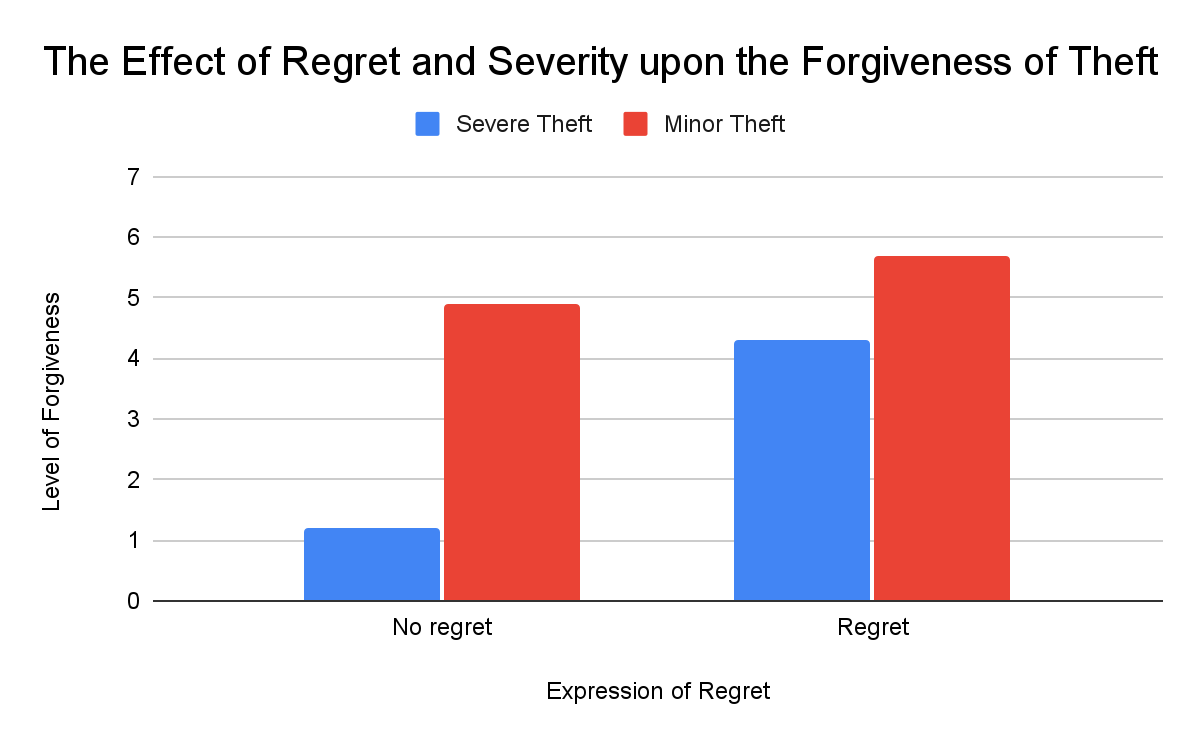
Dr. Valenti

PY 499

3 January 2023

Data Preparation & Analysis Plan

1. The variables we want to run frequencies and descriptive statistics on:
   1. Analyze -> Descriptive Statistics -> Descriptives -> *variable* -> PASTE
   2. Analyze -> Descriptive statistics -> Frequencies -> *variable* -> PASTE
      1. condition
      2. gender
      3. age
      4. race\_1 – race\_7
      5. frgvscl\_1 – frgvscl\_15
      6. severchck
      7. rgrtchck
      8. duration
2. How we will consider excluding participants
   1. Manipulation checks
      1. severchck
      2. rgrtchck
   2. Duration
3. How we will compute a Crohnbach’s alpha, handle reverse coded questions, and recode our condition variable
   1. Recode condition variable (Transform -> Recode into different variables -> move original variable into ‘numeric variable -> output variable” box -> type name of new variable in “output variable name” box -> change -> Old and new values -> define criteria for recoding remembering to click ‘add” to move the criteria into the ‘Old -> New” box -> continue -> PASTE)
      1. Expression of Regret (-1 no regret, 1 regret)
         1. Name: Regret
      2. Severity of Transgression (-1 low severity, 1 high severity)
         1. Name: Severity
   2. Reverse code 1 3 4 5 7 9 11 13 of Forgiveness scale (RECODE regret2 (1=5) (2=4) (3=3) (4=2) (5=1) INTO r.regret2.EXECUTE.)
      1. Average out 15-point scale: Crohnbach’s alpha (Analyze -> Scale -> Reliability analysis -> click over the item of interest -> Statistics -> check box for ‘Descriptives for scale if item deleted“)
         1. Name: TTL\_Forgiveness
      2. Calculate New Variable (Transform -> Compute variable -> type name of new variable in “target variable” and create equation using variables in data ser numbers, and/or operators -> PASTE)
4. Which tests we will use for each hypothesis (t-test, ANOVA, etc.)
   1. We predict that there will be an interaction between the severity of the transgression and the expression of regret from the transgressor when predicting forgiveness. When expressing no regret, we predict significantly greater forgiveness towards low severity transgressions than those of high severity. When experiencing regret, we predict that there will not be a significant relationship between severity of the transgression and forgiveness towards the transgressor.
      1. Two-way ANOVA
         1. Independent Variables: Regret, Severity
         2. Dependent Variable: TTL\_Forgiveness
      2. Analyze -> General Linear Model -> Univariate -> *move “TTL\_Forgiveness” into the* “Dependent Variable” *box, Move “Regret* & *Severity” into the* “Fixed Factors” *box* -> Options -> *move all variables and interaction variables, except for* “(OVERALL)” *into the box,* “Display Means for:” -> Continue -> PASTE
5. Our hypothetical graph made in Excel



1. What research question we could answer with exploratory analyses (gender differences, age, etc.)
   1. Does gender play a significant role in predicting forgiveness?
      1. Independent samples t-test
         1. Analyze -> Compare Means -> Independent Samples t-test -> *TTL\_Forgiveness* = DV, *gender (-1* & *1)* = IV -> Define Groups -> *-1* & *1* -> Continue -> PASTE
   2. Does age affect forgiveness?
      1. Correlation
         1. Analyze -> Correlate -> Bivariate -> *age* & *TTL\_Forgiveness* -> PASTE
   3. Does age influence how one forgives in relation to monetary loss?
      1. Regression
         1. Analyze -> Regression -> Linear -> *move “TTL\_Forgiveness” into the* “Dependent” *box, move the three variables described above into the* “Independent(s)” box -> PASTE
            1. Find mean of age; above mean will be 1, below mean will be -1

One additional step I should have put in the to-do list is to run frequencies on your condition variable, gender, and race, and run descriptive statistics on age, so that you can include this information in your Results section. You’ll want these analyses performed on the data *after* your filter is on, because the goal is to describe your final sample after any exclusions were put in place.

Good work on this!