**Assignment 8**

Rahul Dipak Patel

Department of Psychology, University of Guelph

PSYC 6380: Multivariate Statistics

Dr. Cassidy

March 21, 2022

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**Part 1**

**Questions ­­­­­­**

***1***

CFA loading NAffect1-5 onto a latent variable measuring negative affect; MediaExpose1-3 on a latent variable measuring media exposure.

Chi-square: 15.01

CFI: 1.00

RMSEA: 0.00

SRMR: 0.02

***2***

Items with standardized factor loading < .30: Negative Affect—NAffect3, NAffect5; Media Exposure: MediaExpose3

In terms of main effects, participants’ ratings of their negative affect were positively related to the extent to which participants reported feeling that their world was threatening, *β* = 0.42, *95% CI* = [0.36,0.48]. Inspection of the 95% confidence intervals around the standardized slope coefficient suggested that, for every one standard deviation unit increase in negative affect, felt threat could plausibly (though not certainly) be expected to increase by between 0.36 and 0.48 standard deviations. Population-level effects outside of this range are possible but are relatively less probable (see Cumming & Finch, 2005).

In addition, participants’ ratings of their media exposure were positively related to the extent to which participants reported feeling that their world was threatening, *β* = 0.68, *95% CI* = [0.63,0.73]. Inspection of the 95% confidence intervals around the standardized slope coefficient suggested that, for every one standard deviation unit increase in media exposure, felt threat could plausibly (though not certainly) be expected to increase by between 0.63 and 0.73 standard deviations. Population-level effects outside of this range are possible but are relatively less probable (see Cumming & Finch, 2005).

***3***

Indirect effect*: β* = 0.21, *95% CI* = [0.18,0.24].

Indeed, results support idea of mediation. The a-, b-, c-, and indirect paths are supported, *p*s < .001.

***4***

Interaction: *β* = 0.11, *95% CI* = [0.08,0.15].

Indeed, results support idea of moderation. The interaction effect is significant, *p* < .001.