

UCT Psychology MA Stats course

Assignment 9: SEM 2

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THE SUM OF THE HIGHEST TWO MARKS FROM THE QUESTIONS BELOW WILL CONSTITUTE THE
TOTAL MARK AWARDED

1 Using the dataset from last week, test a model that postulates that threat mediates the relationship between empathy and prejudice (see the scripts from the last two weeks to determine which indicators define those variables). Tabulate the direct, indirect and total effects of empathy on prejudice, and provide significance tests where appropriate. See whether you can compute the p values using normal theory and bootstrapping.

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2 Compare an SEM model that proposes that Contact_quantity has direct and indirect effects on prejudice through threat, against a model that proposes that contact quality is a prior determinant of contact quantity and itself has direct and indirect effects on prejudice through both contact quantity and threat. Are there grounds for preferring either model over the other?

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3 (optional) Download the package faoutlier. See whether you can use it to diagnose the model you preferred in 2. To see what options are available in faoutlier find the vignette online and read it.

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