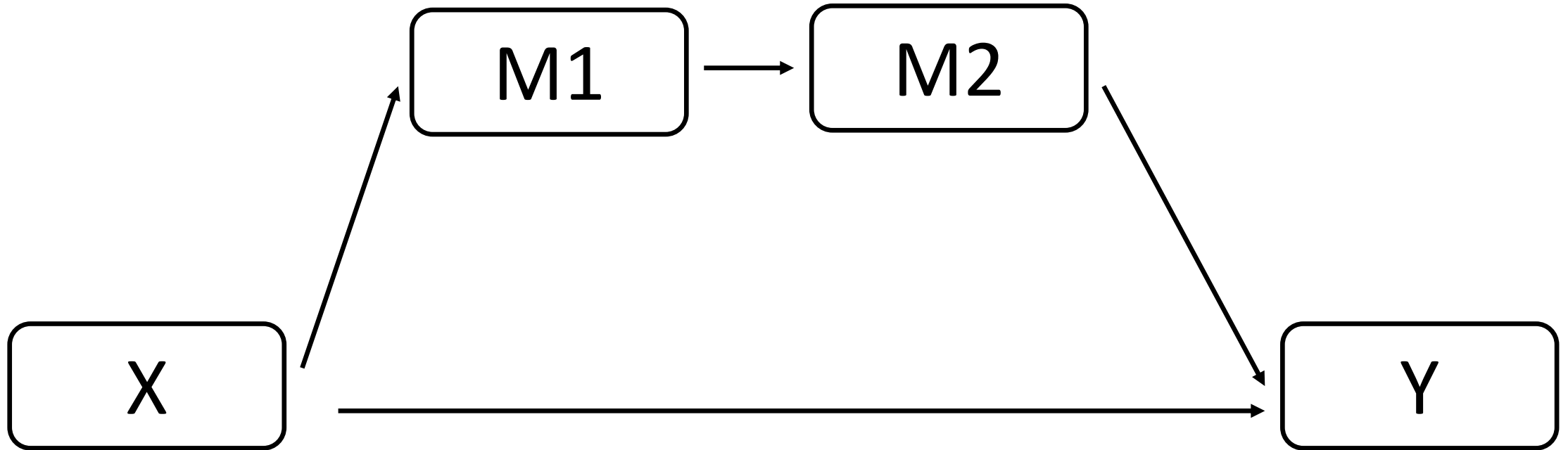# Serial Mediation Analysis - Part 2
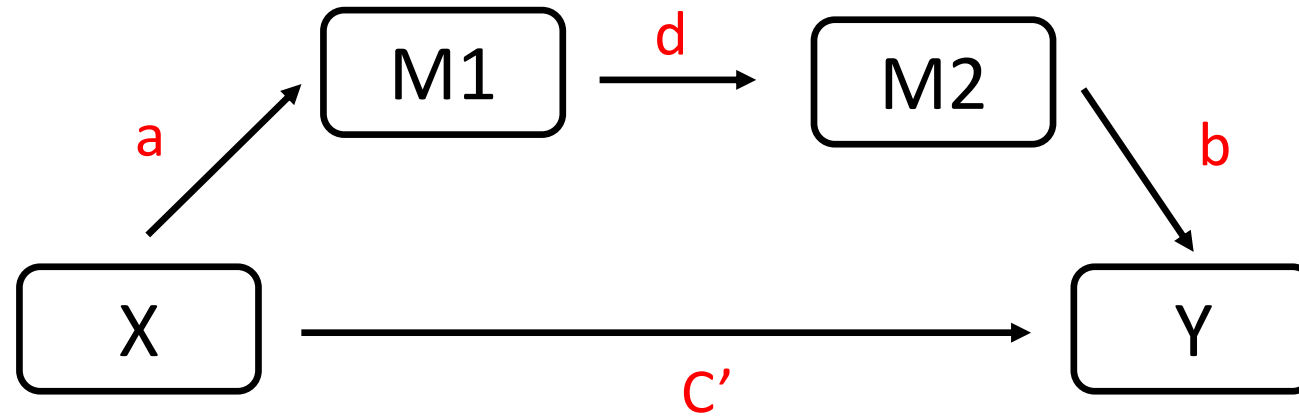
Disclaimer:

This video tutorial is not peer-reviewed and the correctness and quality of the information and R code presented in this tutorial are not guaranteed.

Notes:

1. This pdf is part of a YouTube tutorial: https://youtu.be/GBBbx9Pnses

2. This pdf is for your own personal use only. Please do not distribute further!

Notes: The author accepts no responsibility for the topicality, correctness, completeness, or quality of the information provided.
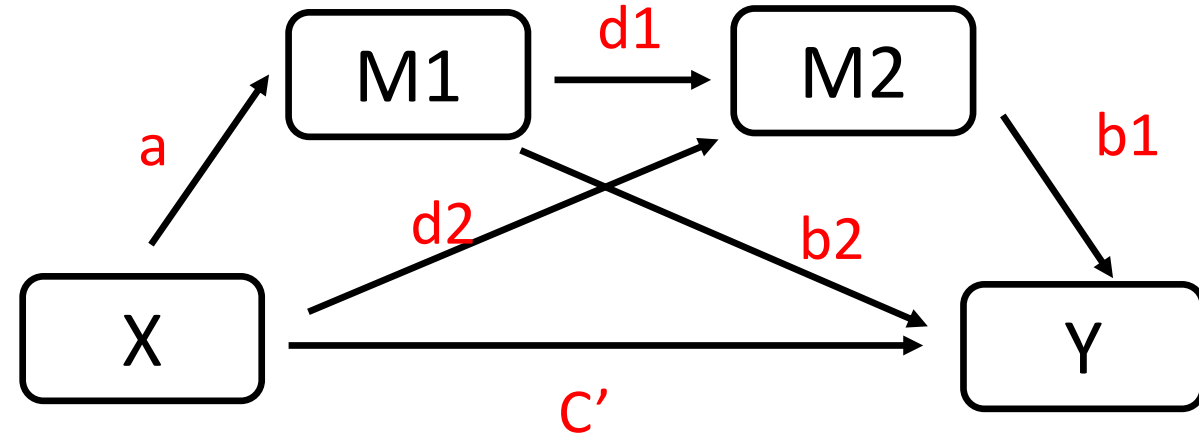
How to calculate the mediation effect?

$$a \times d \times b$$

How to calculate the mediation effect?
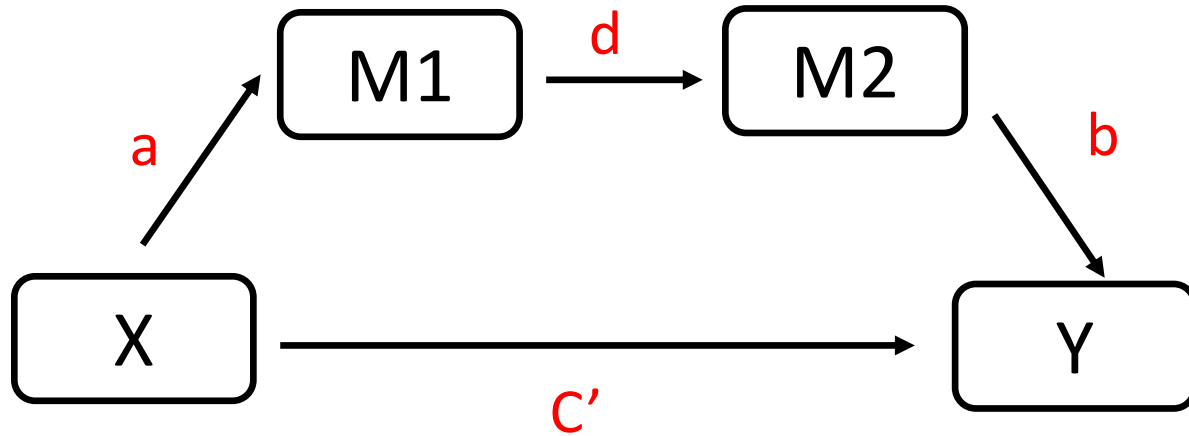
M1 = a X

M2 = d1 M1 + d2 X

Y = b1 M2 + b2 M1 + c' X

$a \times d \times b$

$a \times d1 \times b1$

Steps of Bootstrap serial mediation analysis
(Part 1 Video)

Step 1 | Draw a sample from the data

5000 times /
5000 indirect effects

Step 2 | Calculate all 3 regressions, and compute the indirect effect

Calculating the 95% Confidence Interval

Notes: The author accepts no responsibility for the topicality, correctness, completeness, or quality of the information provided.
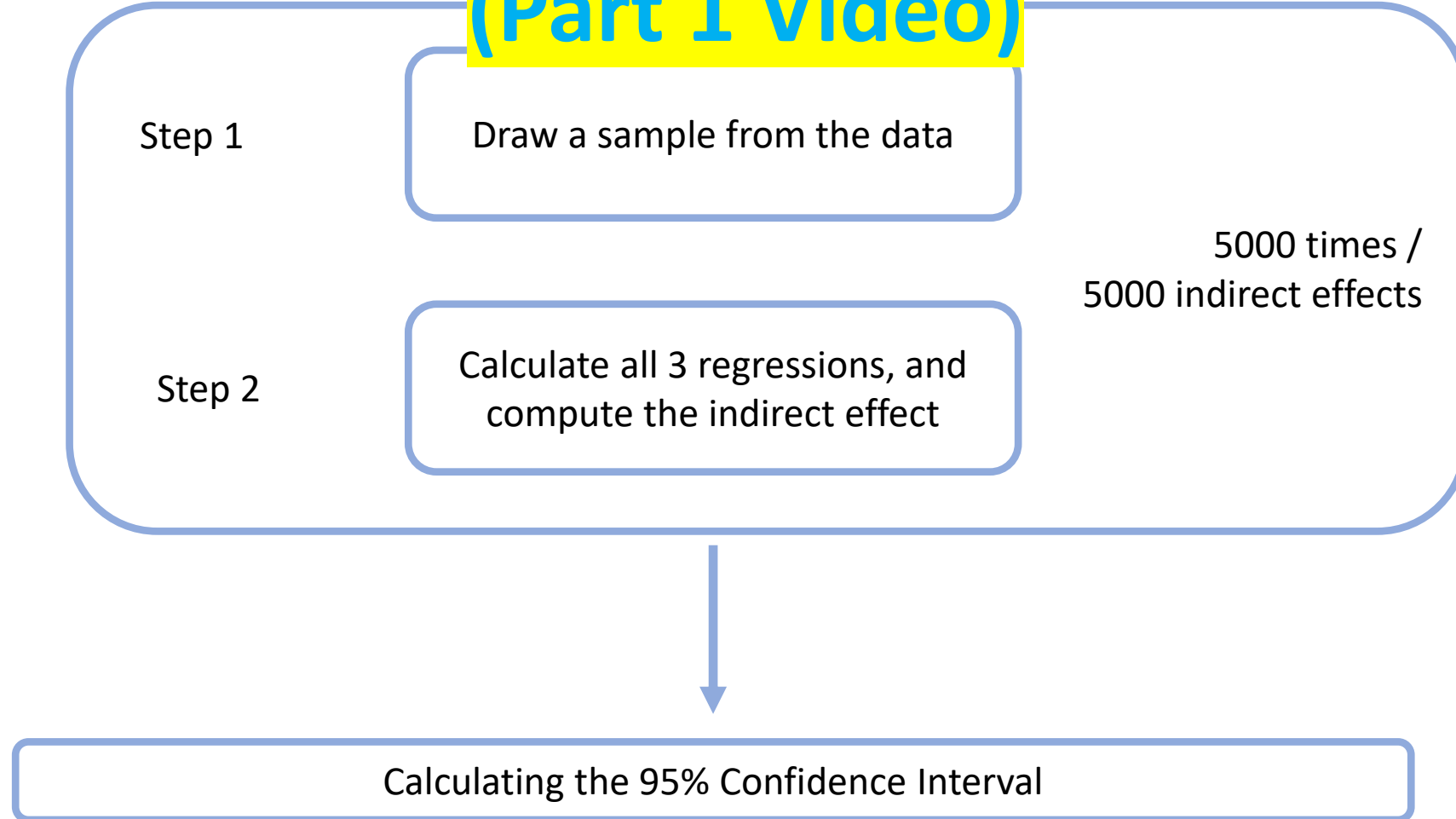
Updated Version of Steps (Part 2 video)

Step 1	Write a statistic function (i.e., indirect effect)
Step 2	Read data
Step 3	Boot() function -> 5000 times / CI

Part 1

Step 4	Showing you the process
Step 5	Manual calculating CI

Notes: The author accepts no responsibility for the topicality, correctness, completeness, or quality of the information provided.