Setup and Use Hayes Mediation PROCESS in R

Notes:

1. The author accepts no responsibility for the topicality, correctness, completeness, or quality of the information provided.
2. This pdf is part of a YouTube tutorial: https://youtu.be/4Aq3RRRu0DI
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Step 1: Download the package.

Click the following webpage, and then click "Download PROCESS v 4.3."

https://haskayne.ucalgary.ca/CCRAM/resource-hub

After downloading the zip file. Open it, you should be able to find the folder of "PROCESS v4.3 for R." Within the folder, you should be able to find the "process.R" file.

Step 2: Run "process.R."

Assuming that you can R Studio on your computer, you can double-click the process.R. R Studio will open the process.R.

Then, select all the scripts and hit run bottom in R Studio. Then, the process() function is in the R environment (You will see the following output). That means that we can use the function.

```
********************* PROCESS for R Version 4.3 ******************

        Written by Andrew F. Hayes, Ph.D.  www.afhayes.com
  Documentation available in Hayes (2022). www.guilford.com/p/hayes3

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PROCESS is now ready for use.
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Workshop schedule at http://haskayne.ucalgary.ca/CCRAM
```

Step 3: Run Model 4 as an example.

We can use Model 4 as a simple example. We first download the data from GitHub. Then, run it using the process().

```
data_mediation <-
read.csv("https://raw.githubusercontent.com/tidydatayt/mediation_analysis/main/mediation_hypothetical_data.csv")

process(data = data_mediation, y = "Y", x = "X", m ="M", model = 4)
```

In addition, you can also set a seed to get the same confidence interval every time you run. The following is the code.

```
set.seed(123)

data_mediation <-
read.csv("https://raw.githubusercontent.com/tidydatayt/mediation_analysis/main/mediation_hypothetical_data.csv")

process(data = data_mediation, y = "Y", x = "X", m ="M", model = 4)
```