CHIP 690 mProject 3 Yannick Apedo

Our team aims to analyze the results of our survey to test and conclude a causal relationship and sequence between variables relating to: user-friendliness, procedural justice, and recommendation intentions (of employment).

We decided to use the bootstrapping approach for simple mediation using “PROCESS”; as it provides more options for running mediated models. The sample size of the analyses was 10077. Our independent variable was user-friendliness (“UserFrie”), our dependent variable was recommendation intentions (“RecIntern”), with our mediating variable being procedural justice (“ProJust”). Using two methods, we also found the effect sizes for indirect effects, which helps to determine the strength of our mediating or intervening variable. Firstly, we can compute the proportion of total effect present due to indirect effect (indirect effect/total effect) based on user friendliness and procedural justice predicting recommendation intent, which was found to be .2146/.2944 = 72.89%. We can also directly find the indirect effect in standard deviation units. By taking the indirect effect over the standard deviation of the dependent variable (Rec. Int), we find that the intent of users to recommended increases by .29 standard deviations for every singular increase in user friendliness.

Ultimately, these results tell us that a reasonably large percentage of the total effect of our independent variable on the dependent variable is based on our mediating variable, and that procedural justice significantly mediates the relationship between user-friendliness and recommendation intentions.

Diagram:

