This document provides instructions for replication of the Mediation Analysis Results using R.[1]

INSTALL "MEDIATION" PACKAGE

install.packages("mediation")

LOAD "FOREIGN" AND "MEDIATION" PACKAGES INTO LIBRARY

library (foreign)
library ("mediation")

LOAD DATASET

> woavailable2.dta<-read.dta ("F://woavailable2.dta")   <note: you must specify individual drive directory that you use>

> attach (woavailable2.dta)

Mediation Analysis for Campaign Receipts

> model.Mediator1 <-lm (camp_rcpts~ black)

>model.Y<-glm (senate_nom_run~black +camp_rcpts)

>out.9<-mediate (model.Mediator1, model.Y, sims=1000, boot= TRUE, treat="black", mediator="camp_rcpts")

>out.10<-mediate (model.Mediator1, model.Y, sims=1000, treat="black", mediator="camp_rcpts")

>summary (out.9)

>summary (out.10)

---

[1]For more information about this R package see Imai, Kosuke, Luke Keele, Dustin Tingley, and

Teppei Yamamoto. 2010. "Causal Mediation Analysis Using R." In *Advances in Social Science*

Research Using R, ed. H.D. Vinod. New York: Springer (Lecture Notes in Statistics).

Mediation Analysis for State Size

>model.Mediator2 <-lm (district_state~ black)

>model.Y2<-glm (senate_nom_run~black +district_state)

>out.11<-mediate (model.Mediator1, model.Y, sims=1000, boot= TRUE, treat="black", mediator=" district_state")

>out.12<-mediate (model.Mediator2, model.Y2, sims=1000, treat="black", mediator="district_state")

>summary (out.11)

>summary (out.12)

Mediation Analysis for Ideology

>model.Mediator3 <-lm (nom_abs_value~ black)

>model.Y3<-glm (senate_nom_run~black+nom_abs_value)

>out.13<-mediate (model.Mediator1, model.Y, sims=1000, boot= TRUE, treat="black", mediator=" nom_abs_value ")

>out.14 <-mediate (model.Mediator3, model.Y3, sims=1000,treat="black", mediator="nom_abs_value")

>summary (out.13)

>summary (out.14)