\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* Stata code for the ANES 2020 Time Series Study

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* Racial groups

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

tab V201549x

clonevar race = V201549x

recode race (-9 -8=99)

tab V201549x race, mi

tab V201549x, mi

recode V201549x (-9/-1 2/6=0) , gen(Rwhite)

recode V201549x (-9/-1 1 3/6=0) (2=1) , gen(Rblack)

recode V201549x (-9/-1 1/2 4/6=0) (3=1) , gen(Rhispn)

recode V201549x (-9/-1 1/3 5/6=0) (4=1) , gen(Rasian)

recode V201549x (-9/-1 1 6=0) (2/5=1), gen(Rpoc)

tab V201549x Rwhite, mi

tab V201549x Rblack, mi

tab V201549x Rhispn, mi

tab V201549x Rasian, mi

tab V201549x Rpoc , mi

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* Perceived racial discrimination

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

desc V202527 V202528 V202529 V202530

tab1 V202527 V202528 V202529 V202530

// N = 7356 (received all four racial discrimination items)

sum V200001 if ((V202527>=1 & V202527<=5) | V202527==-9) & ((V202528>=1 & V202528<=5) | V202528==-9) & ((V202529>=1 & V202529<=5) | V202529==-9) & ((V202530>=1 & V202530<=5) | V202530==-9)

clonevar discB = V202527

clonevar discH = V202528

clonevar discA = V202529

clonevar discW = V202530

desc discB discH discA discW

recode V202527 (-9 1/4=0) (5=1) (-7/-5=.), gen(discBzero)

recode V202528 (-9 1/4=0) (5=1) (-7/-5=.), gen(discHzero)

recode V202529 (-9 1/4=0) (5=1) (-7/-5=.), gen(discAzero)

recode V202530 (-9 1/4=0) (5=1) (-7/-5=.), gen(discWzero)

tab V202527 discBzero, mi

tab V202528 discHzero, mi

tab V202529 discAzero, mi

tab V202530 discWzero, mi

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* Demographics

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

tab V201600

clonevar gender3 = V201600

recode gender3 (-9=99)

tab V201600 gender3, mi

tab V201507x

recode V201507x (-9=99) (18/21=1) (22/29=2) (30/39=3) (40/49=4) (50/59=5) (60/69=6) (70/79=7) (80=8), gen(ageGRP)

tab ageGRP

label define ageGRP 1 "[1] 18-21" 2 "[2] 22-29" 3 "[3] 30-39" 4 "[4] 40-49" 5 "[5] 50-59" 6 "[6] 60-69" 7 "[7] 70-79" 8 "[8] 80+" 99 "[99] Refused"

label values ageGRP ageGRP

tab ageGRP, mi

tab V201511x

clonevar educ = V201511x

recode educ (-9/-1=99)

tab V201511x educ, mi

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* Weights

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

svyset [pweight=V200010b], strata(V200010d) psu(V200010c)

svyset [pweight=V200010b], strata(V200010d) psu(V200010c) singleunit(centered)

svyset [pweight=V200010b], strata(V200010d) psu(V200010c)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\* No discrimination by education

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

svy: logit discBzero i.gender i.race i.ageGRP i.educ

margins, atmeans at(educ=(1(1)5)) level(83.4)

svy: logit discHzero i.gender i.race i.ageGRP i.educ

margins, atmeans at(educ=(1(1)5)) level(83.4)

svy: logit discAzero i.gender i.race i.ageGRP i.educ

margins, atmeans at(educ=(1(1)5)) level(83.4)

svy: logit discWzero i.gender i.race i.ageGRP i.educ

margins, atmeans at(educ=(1(1)5)) level(83.4)

# R plot

library(ggplot2)

DATA <- read.csv(file.choose(), header=TRUE)

DATA$GROUP <- factor(DATA$GROUP, levels=rev(c("No high school credential", "High school credential", "Some college", "Bachelor's degree", "Graduate degree")))

DATA$FACET <- factor(DATA$FACET, levels=c("against Blacks", "against Hispanics", "against Asians", "against Whites"))

p1 <- ggplot(DATA, aes(100\*PE, GROUP)) +

 facet\_wrap(~FACET, ncol=2, dir="v") +

 geom\_bar(stat="identity", position="dodge", color="black", fill="dodgerblue", size=0.8, width=0.8) +

 geom\_errorbarh(aes(xmin=100\*CILO, xmax=100\*CIHI), height=0, size=0.75) +

 scale\_x\_continuous(name="", breaks=seq(0, 100, 25), limits=c(0, 100), labels=scales::number\_format(accuracy=1)) +

 labs(title="Predicted probability of rating discrimination\nagainst the indicated group as 'None at all'", caption="Models control for respondent sex, race, and age group. Predicted probabilities\ncalculated with controls at their mean value. Residual group includes participants\ncoded as refused for the rating and participants who selected at least a little\ndiscrimination. Error bars are 83.4% confidence intervals. Data source: American\nNational Election Studies. 2021. ANES 2020 Time Series Study Preliminary Release:\nCombined Pre-Election and Post-Election Data n[dataset and documentation].\nMarch 24, 2021 version. www.electionstudies.org.") +

 theme(

 plot.background=element\_rect(fill="white"),

 strip.background=element\_rect(color="black", fill="black"),

 strip.text.x=element\_text(color="white", face="bold", size=14),

 panel.grid.major.x=element\_blank(),

 panel.grid.major.y=element\_blank(),

 panel.grid.minor.x=element\_blank(),

 panel.grid.minor.y=element\_blank(),

 panel.background=element\_rect(fill="gray90", color="black", size=0.5, linetype="solid"),

 panel.border=element\_rect(fill=NA, color="black", linetype="solid", size=1.5),

 panel.spacing.x=unit(2, "lines"),

 panel.spacing.y=unit(1, "lines"),

 axis.title.y=element\_blank(),

 axis.title.x=element\_text(size=12, color="black"),

 axis.ticks.y=element\_blank(),

 axis.ticks.x=element\_blank(),

 axis.text.x=element\_text(size=12, color="black", vjust=-1),

 axis.text.y=element\_text(size=12, color="black", margin=margin(r=10)),

 plot.margin=unit(c(0.5,0.5,0.5,0.5),"cm"),

 plot.title=element\_text(face="bold", margin=margin(t=0, b=13), size=15, hjust=0.5),

 plot.subtitle=element\_text(hjust=0.5, size=12),

 plot.caption=element\_text(hjust=0, size=9))

p1

ggsave(file="D:R no DISC by educ.svg", width=7.25, height=6)