\* 只保留 2018 年 1 月及以后的数据

keep if year >= 2018

\* 生成 employed 变量

gen employed = (empstat == 10)

\* 生成 race\_recode 变量

gen race\_recode = .

replace race\_recode = 1 if race == 100 & hispan == 0 // 非西班牙裔白人

replace race\_recode = 2 if race == 200 & hispan == 0 // 非西班牙裔黑人

replace race\_recode = 3 if race == 651 & hispan == 0 // 非西班牙裔亚裔

replace race\_recode = 4 if hispan > 0 // 西班牙裔

replace race\_recode = 5 if missing(race\_recode) // 其他（后续排除）

\* 生成 educ\_recode 变量

gen educ\_recode = .

replace educ\_recode = 1 if educ <= 60 // 小学或更低

replace educ\_recode = 2 if educ >= 70 & educ <= 73 // 高中

replace educ\_recode = 3 if educ >= 80 & educ <= 100 // 部分大学

replace educ\_recode = 4 if educ >= 110 // 大学及以上

\* 生成 log(earnweek) 变量，仅对 ORG 样本且 earnweek 有效值

gen ln\_earnweek = .

replace ln\_earnweek = log(earnweek) if earnweek > 0 & earnweek < 9999.99

\* 过滤样本：18-64 岁，非军队人员，有效就业状态

keep if age >= 18 & age <= 64 & empstat >= 10

\* 只保留非"其他"种族组

drop if race\_recode == 5

\* 计算各种族的月度就业-人口比率（加权平均）

collapse (mean) employed [pw=wtfinl], by(year month race\_recode)

\* 绘制趋势图（各种族的就业-人口比率）

twoway (line employed month if race\_recode == 1, lcolor(blue)) ///

(line employed month if race\_recode == 2, lcolor(red)) ///

(line employed month if race\_recode == 3, lcolor(green)) ///

(line employed month if race\_recode == 4, lcolor(orange)), ///

title("Employment-Population Ratio Trends by Race (2018-Present)") ///

xtitle("Month") ytitle("Employment-Population Ratio") ///

xlabel(, format(%tm)) ///

legend(order(1 "Non-Hispanic White" 2 "Non-Hispanic Black" ///

3 "Non-Hispanic Asian" 4 "Hispanic"))

A graph of different colored lines

AI-generated content may be incorrect.