STOR 320

FINAL PROJECT:

AMERICAN COMMUNITY SURVEY (2012)
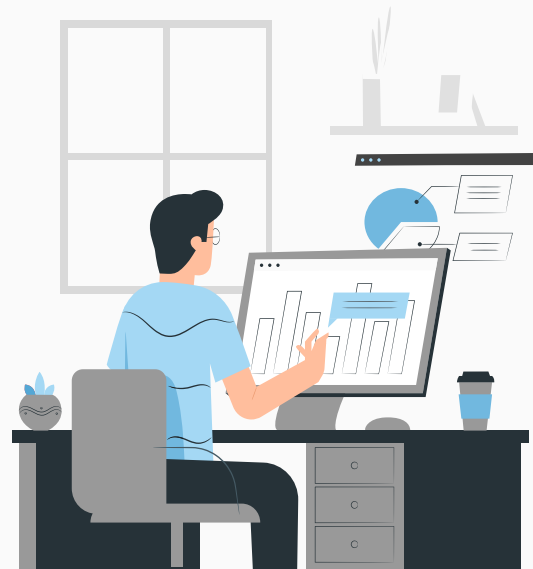
Andrew, Brandon, Grace, Max, Sophia

I. QUESTION OF INTEREST

Are there significant differences in the proportions of the upper income class between the different races, education levels, and genders?

2. DATA

American Community Survey (2012)
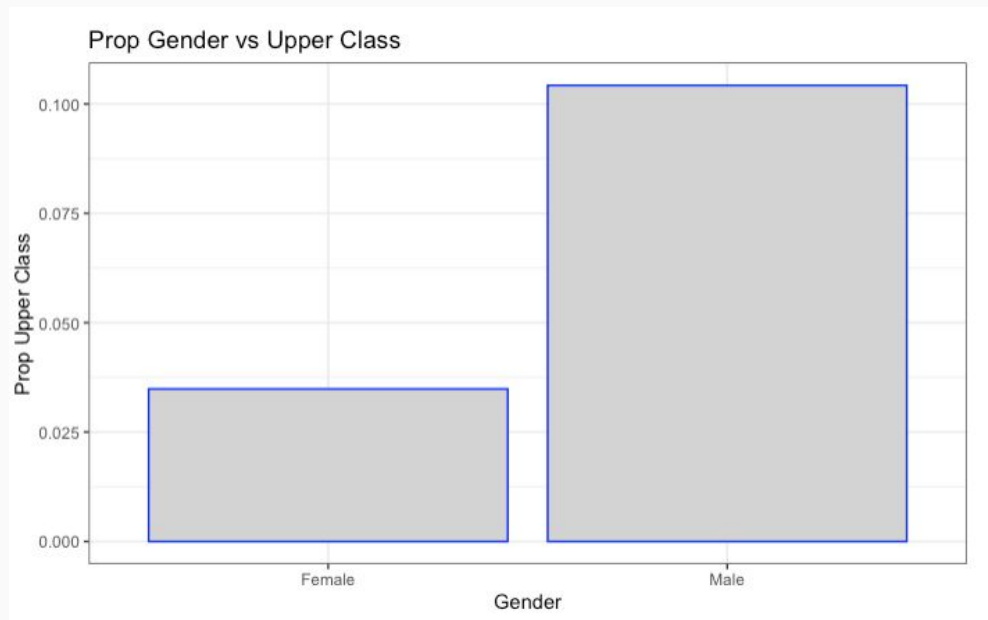Data collected by U.S. Census Bureau

A snapshot of our data

income	employment	hrs_work	race	age	gender	citizen	lang	married	edu	disability	birth_qrtr	birth_qtr
1700	employed	40	other	35	female	yes	other	yes	hs or lower	yes	jul thru sep	3
45000	employed	84	white	27	male	yes	english	yes	hs or lower	no	oct thru dec	4
8600	employed	23	white	69	female	yes	english	no	hs or lower	no	jul thru sep	3
33500	employed	55	white	52	male	yes	english	yes	hs or lower	no	apr thru jun	2
4000	employed	8	white	67	female	yes	english	yes	hs or lower	no	apr thru jun	2
19000	employed	35	white	36	female	yes	english	yes	college	no	jul thru sep	3

3. METHODS

1. For each variable, create the proportion that is upper class

2. Conduct a Test of Equal or Given Proportions

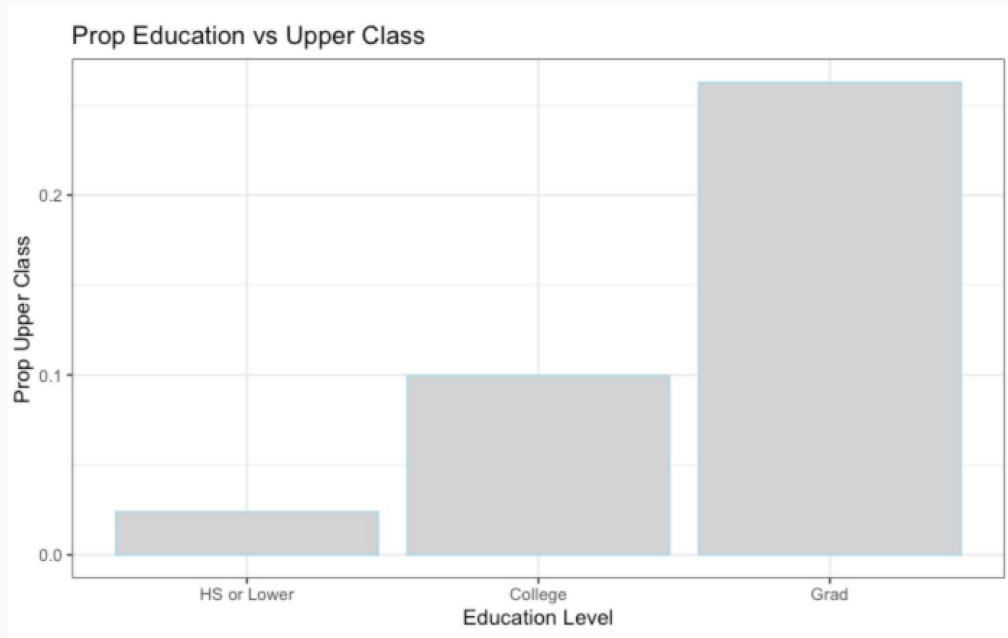3. Graph proportions for visual analysis

Gender:

3. METHODS

Education:

1. For each variable, create the proportion that is upper class

2. Conduct a Test of Equal or Given Proportions

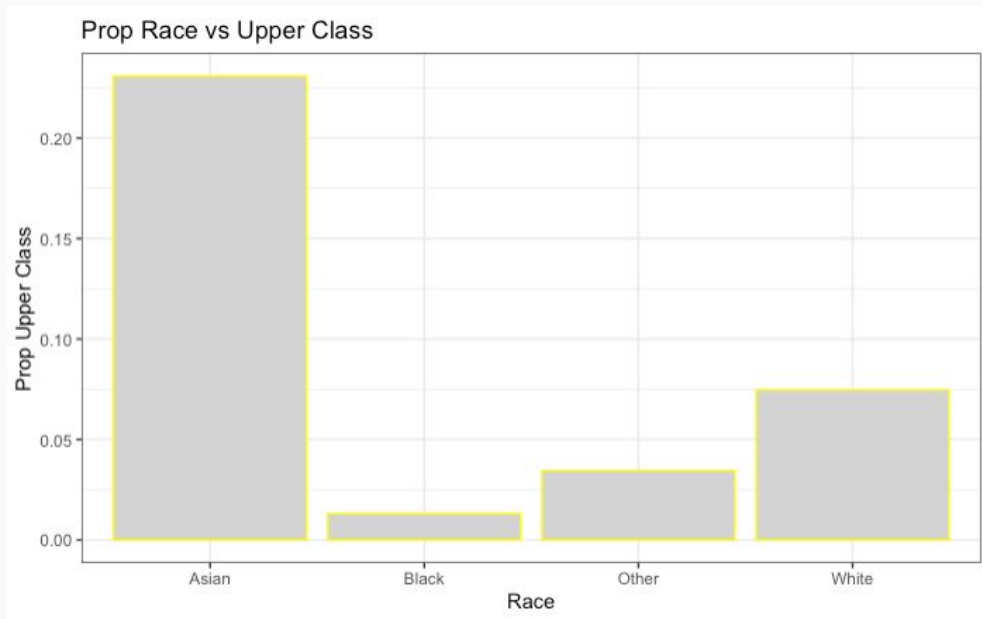3. Graph proportions for visual analysis

Prop Education vs Upper Class

3. METHODS

1. For each variable, create the proportion that is upper class

2. Conduct a Test of Equal or Given Proportions

3. Graph proportions for visual analysis

Race:

Prop Race vs Upper Class

4. RESULTS

GENDER

Men are significantly more likely to be upper class than women.

-Wage gap
-Gender roles

EDUCATION

The higher the education level, the significantly more likely an observation is to be upper class.
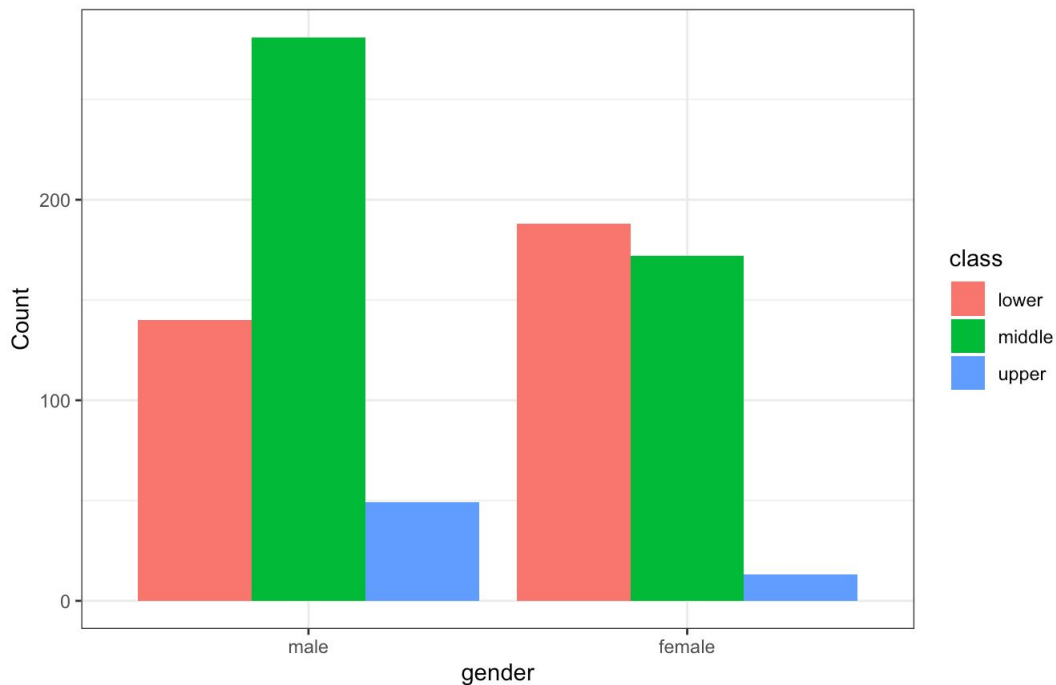
-More education = more skills
-Bridge out of poverty

RACE

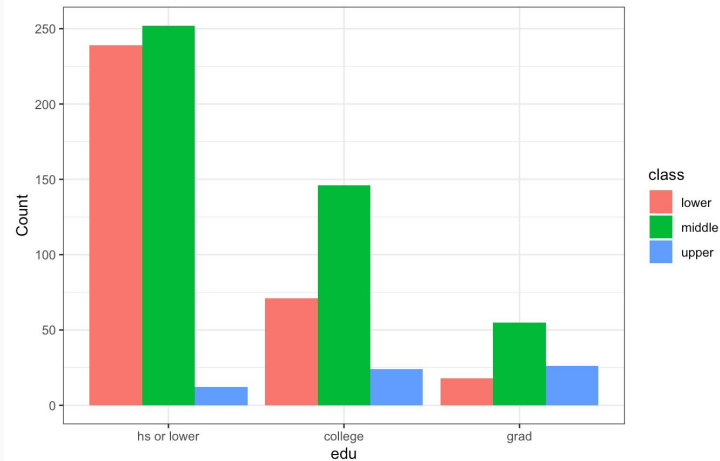Asians are significantly more likely to be upper class than all other races.

-Model Minority Myth
-Immigration and Skilled Labor
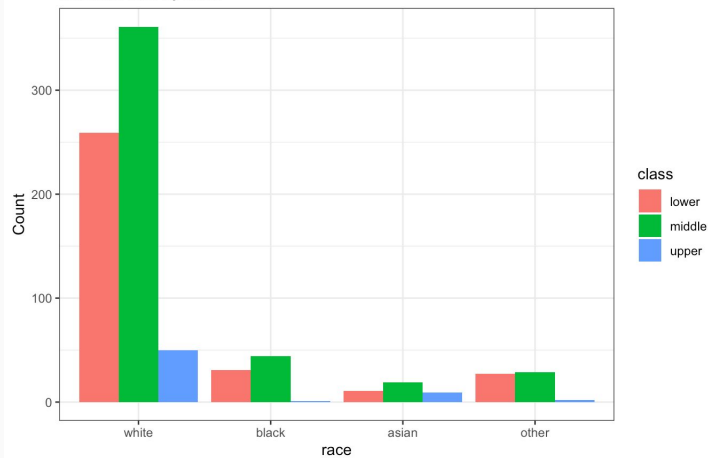
5. IMPLICATIONS

Crosstab of acs_class N = 843 after removing 0 missing cases
Variables gender by class

Crosstab of acs_class N = 843 after removing 0 missing cases
Variables edu by class

Crosstab of acs_class N = 843 after removing 0 missing cases
Variables race by class

THANKS!

Does anyone have any questions?