



Who wants to be a Millionaire?



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Overview

The average US income in 2019 was \$31,133. With cost of living going up across the country, this number does not seem sufficient enough to keep families across the country afloat. But how do you become a bigger breadwinner? Americans are told they need to hold multiple degrees to make it in this country, work for certain companies, or come from certain backgrounds. We're going to look at the US census data to see if things like level of education or background determine whether or not you'll make it in this country.





Features



Education Level



Age



Gender



Occupation



Race

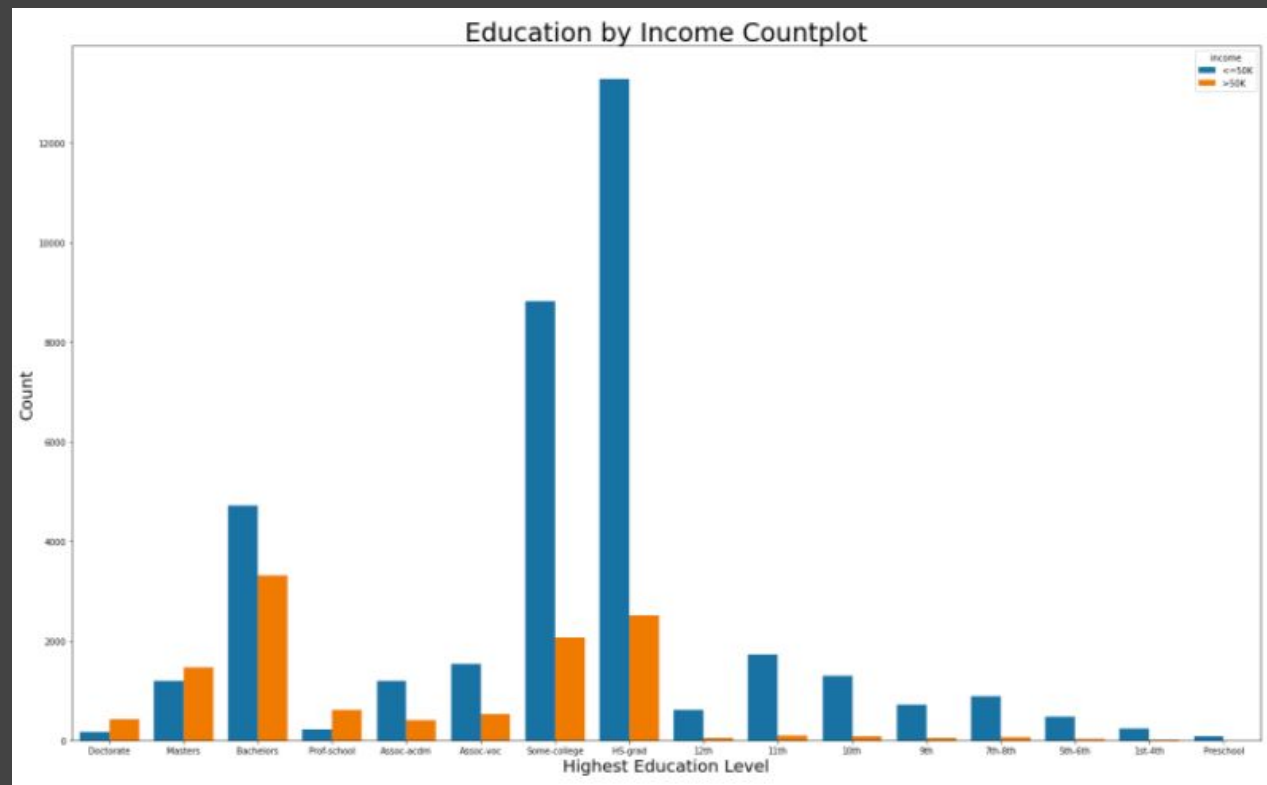


Marital Status

Education

IN THE US:

- 1.2% w/ PhD
- 10% w/ Masters
- 28% w/ Bachelors
- 10% w/ an AA



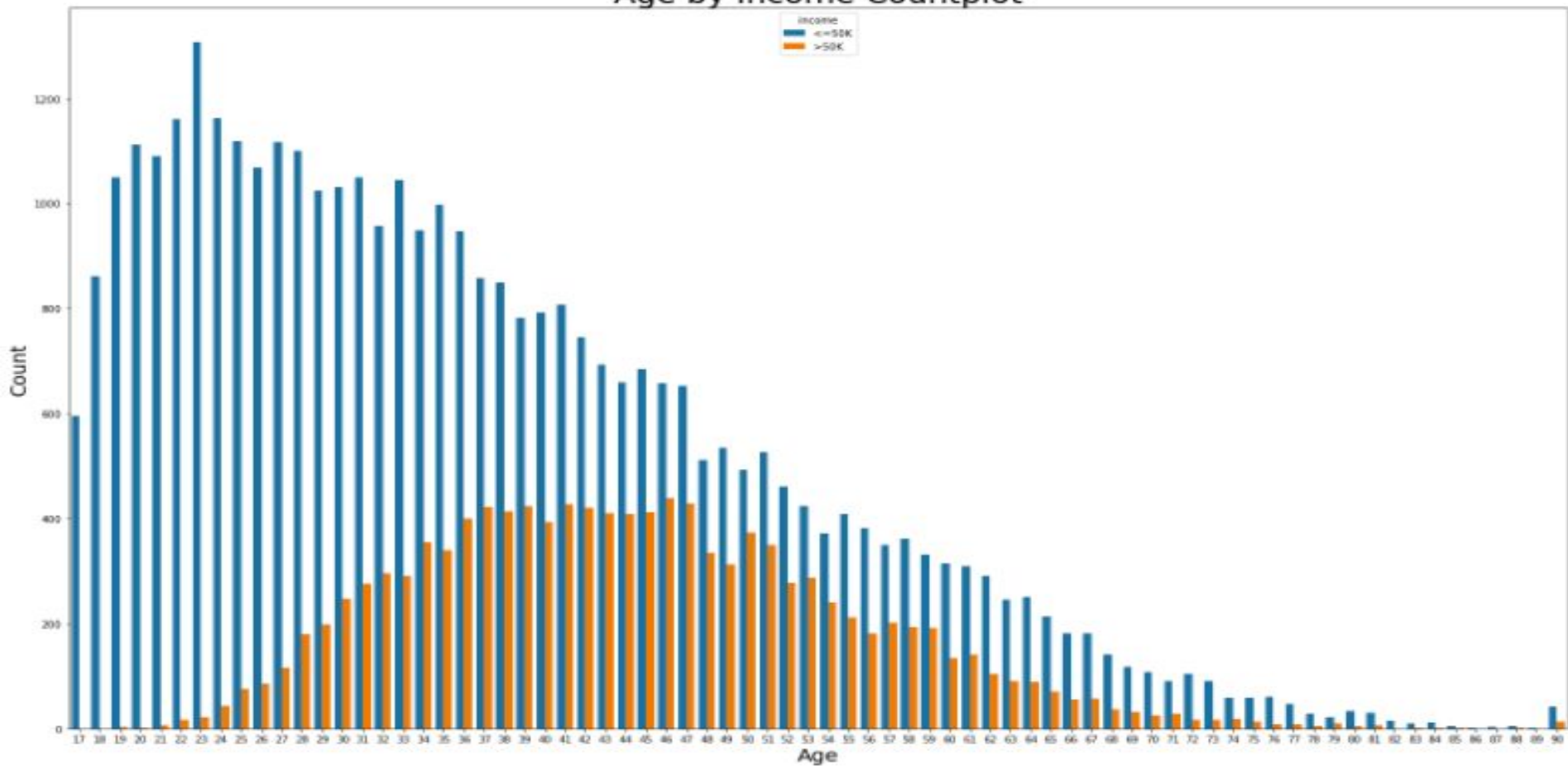


Education slide speaker notes:

The largest population earning >50K are those who hold a bachelor's degree.

Distribution makes it seem like getting an advanced degree is not worth it since there are still fewer people in populations like PhD and Masters degree holders. This isn't a fair assessment since the population size of those who hold these degrees is so small to begin with. It does look like having a bachelors might help a bit in comparison to maybe a high school diploma but it is still possible to fall within the same group (>50K) with only a High School Degree.

Age by Income Countplot





Age distribution slide speaker notes

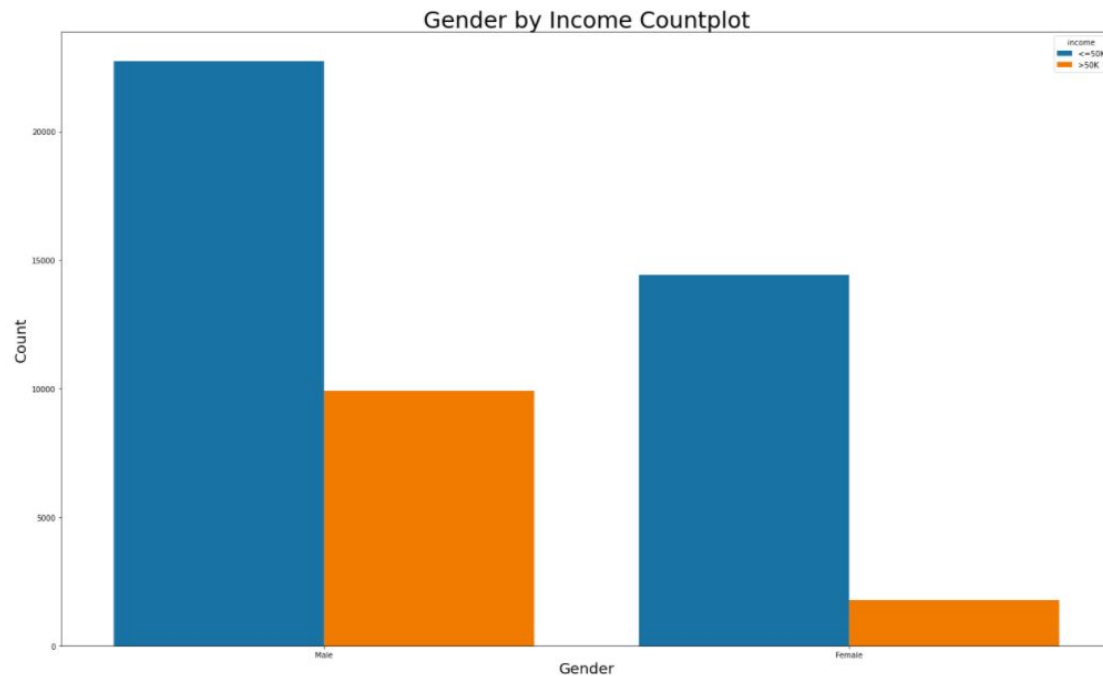
what is going on at age 90....

Just a quick visual to see overall distribution -- numbers are expected since the more experience you have the more likely you are to make a higher salary and those who are older may have held jobs for longer so they are stuck at lower base rates.

Gender



- 66% Male

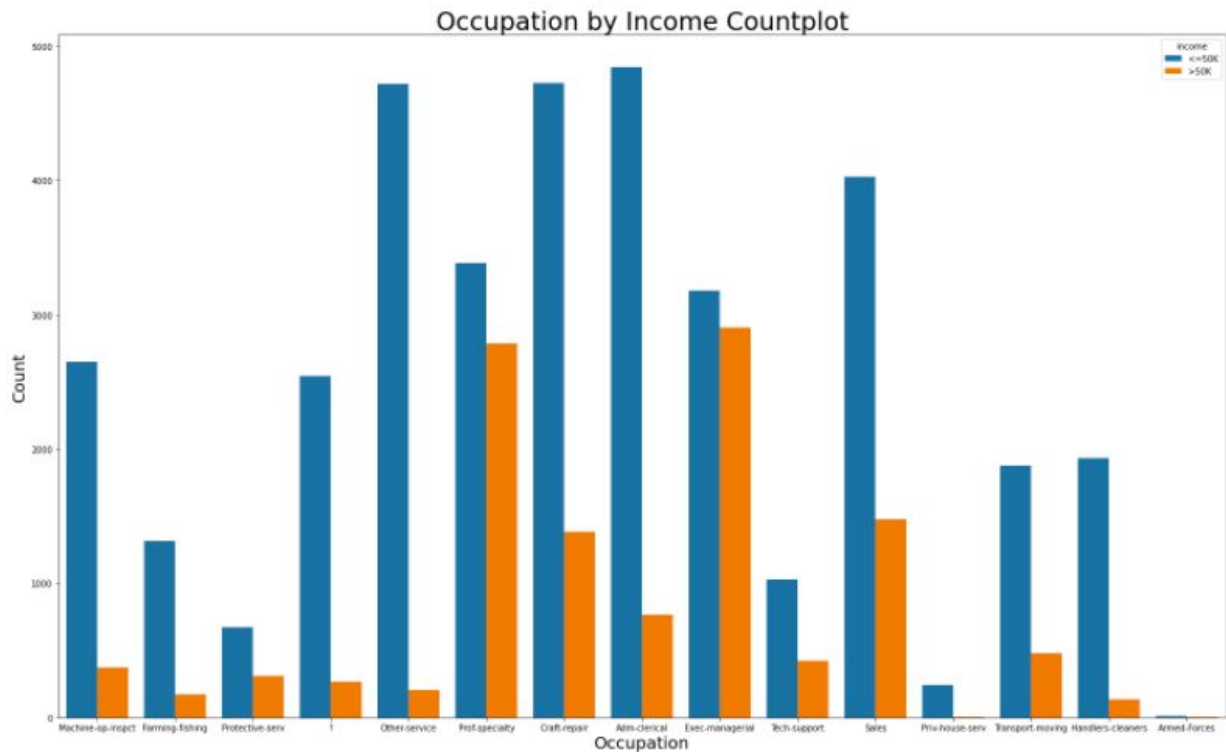




Gender Slide Speaker notes

Again, this distribution is unfair to make an assessment from since 66% of the workforce is Men. Although, that is just over half and the difference in distributions is much more than just half...

Occupation



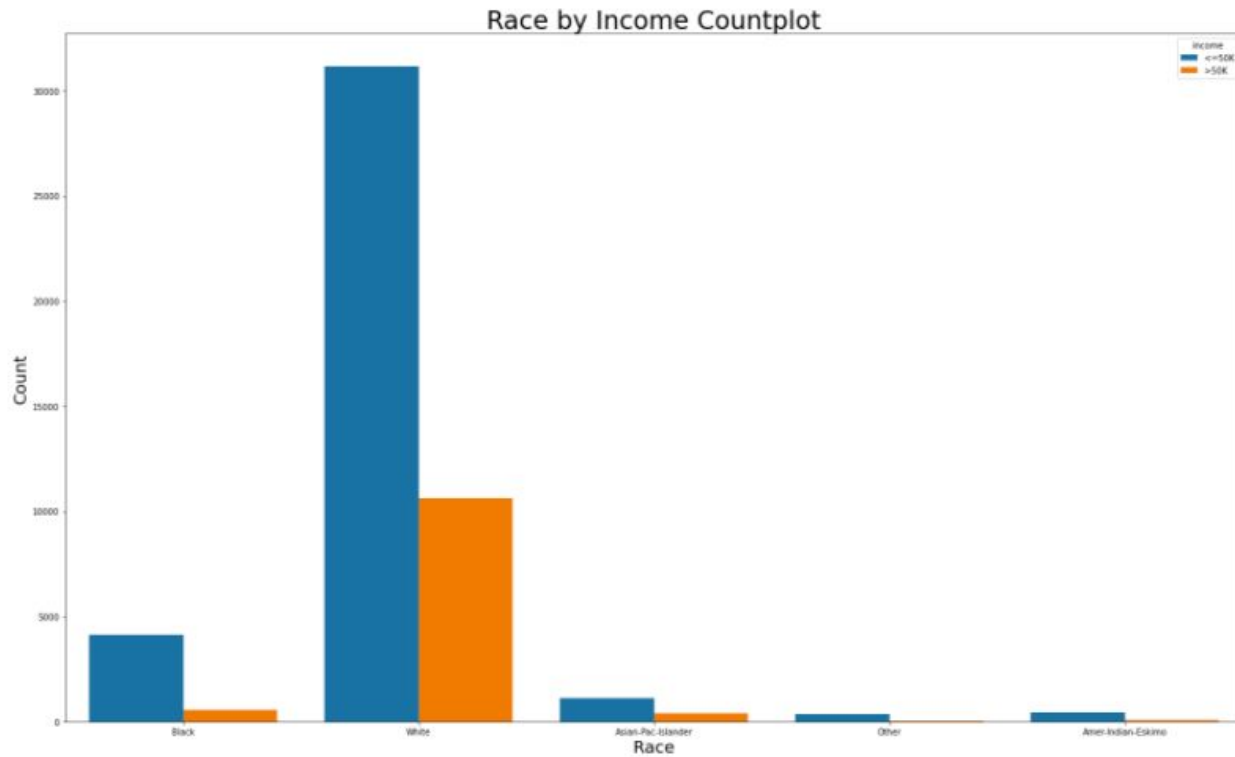
- Executives / Management
- Speciality



Occupation Slide Speaker Notes

These numbers are as expected. Makes sense that those in management positions or executive positions would be most likely to make over 50K.

Race

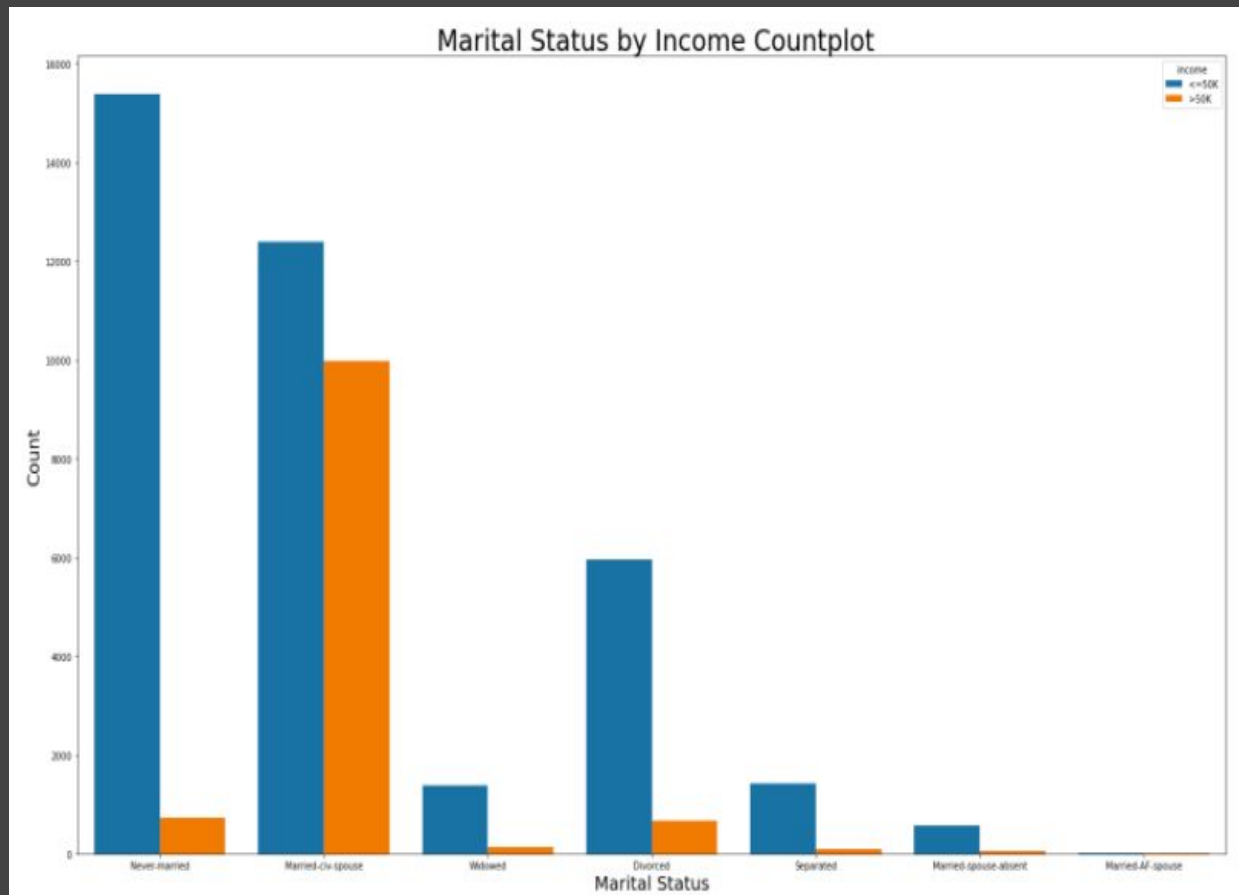


- 73% White



Race Slide Speaker Notes

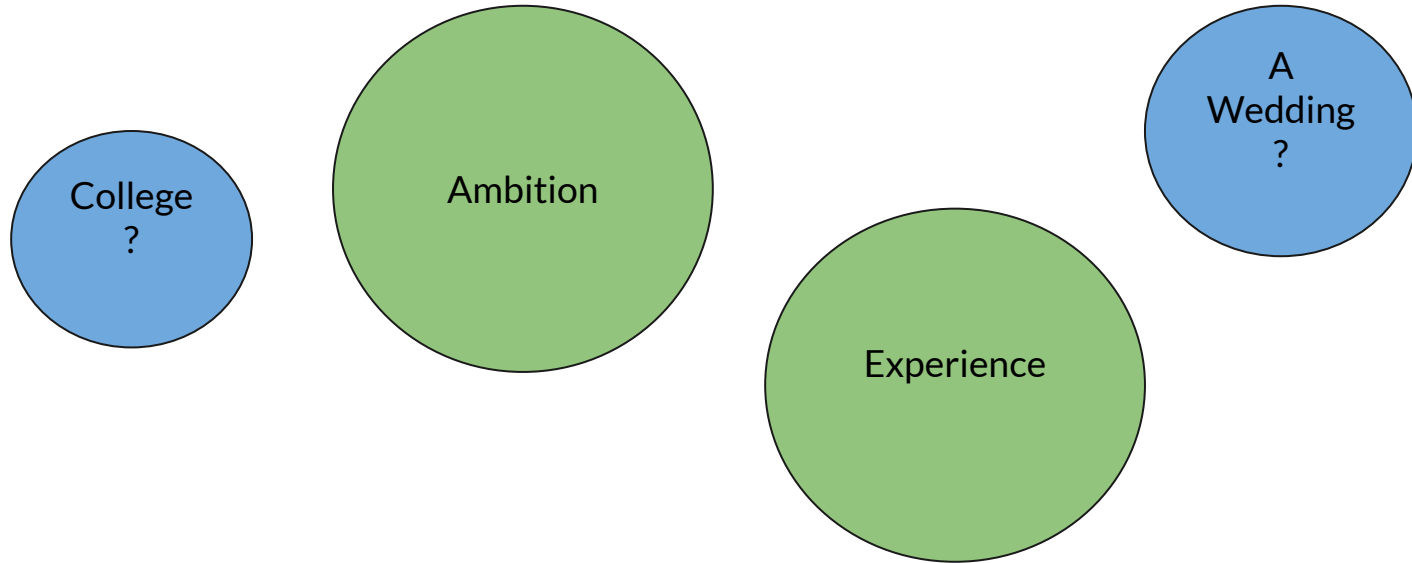
Unfair distribution since a VAST majority of the population identifies as White.



Moral of the story here is to get married...



So ... what does it take?





So ... what does it take? Slide speaker notes

What it really comes down to is AMBITION -- Shoot for an executive position, go to college, spend years of your life gaining experience....Get married! But it's not the only way to do it!! Those who make >50K existed in multiple categories and it's possible to become one of them as well if you are ambitious enough to do it. Your race, gender, or age don't destroy your chances -- some will have it easier but it's possible.



Thank you.



Questions I asked

- Are there factors in a person's life that must be met to make over 50K annually?
- Are these distributions good representation of the actual population?
- Can we make inferences based off of these distributions alone?
- Just because one population has the highest count of those who make >50K, does that mean you can't make >50K if you fall into another population group?