

Week 5 Visualizations Activity

Mahsa Karkhaneh

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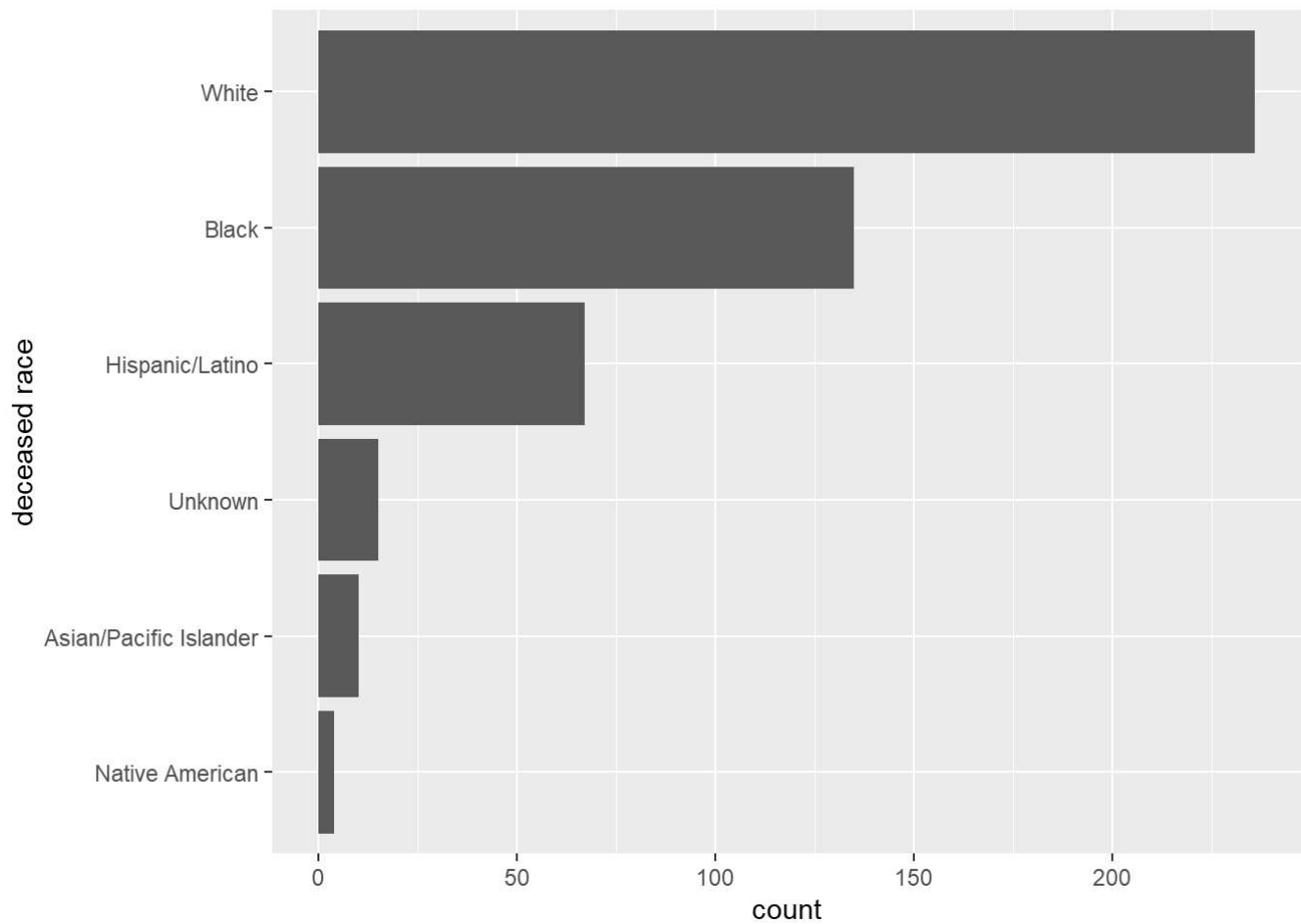
We have data about cases where police have killed Americans in 2015.

```
## Rows: 467 Columns: 34
## — Column specification —————
## Delimiter: ","
## chr (17): name, age, gender, raceethnicity, month, streetaddress, city, stat...
## dbl (17): day, year, latitude, longitude, state_fp, county_fp, tract_ce, geo...
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

This data set has 467 rows and 10 columns. The names of the columns and a brief description are in the table below:

##	Names	Description
## 1	name	Name of deceased
## 2	age	Age of deceased
## 3	gender	Gender of deceased
## 4	raceethnicity	Race/ethnicity of deceased
## 5	city	City where incident occurred
## 6	state	State where incident occurred
## 7	pop	Tract population
## 8	h_income	Tract-level median household income
## 9	county_income	County-level median household income
## 10	comp_income	h_income / county_income

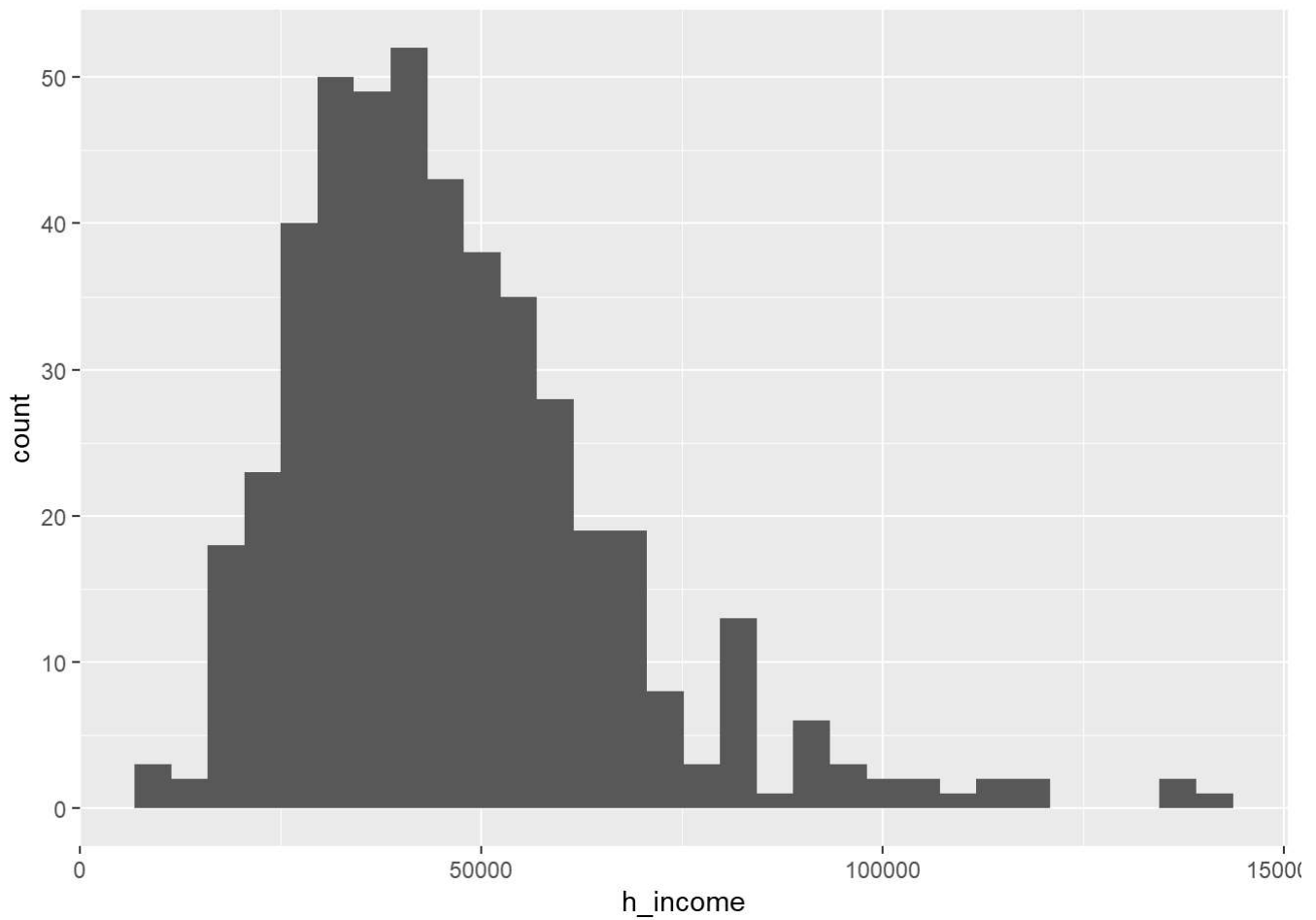
In following plot we can compare the deceased based on race ethnicity :



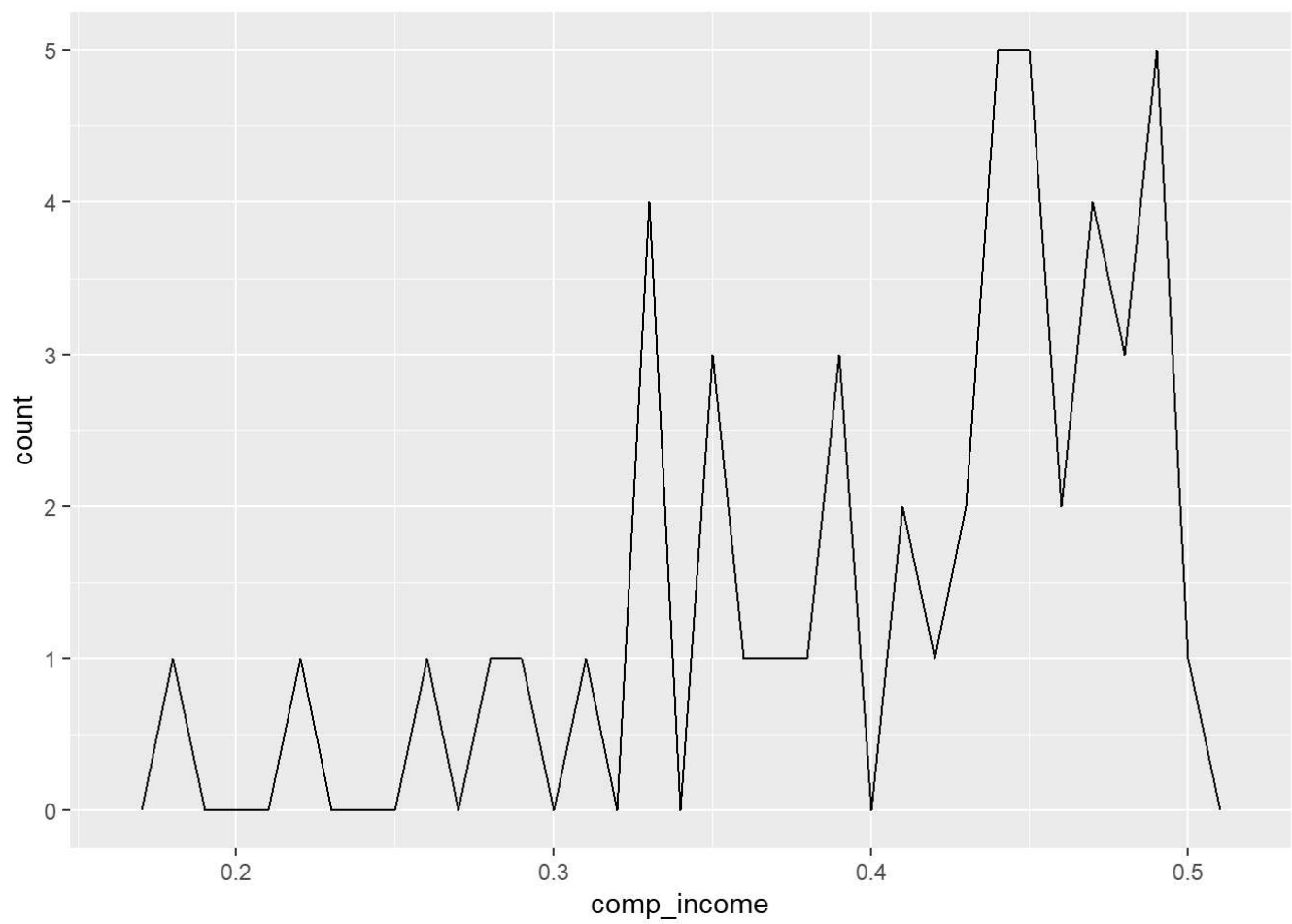
Following Histogram indicates that majority of deceased has a household income less than 50,000 yearly.

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

```
## Warning: Removed 2 rows containing non-finite values (stat_bin).
```



Assumed that “low-income” earners are people whose household income is less than half of County-level median household, so We have 49 deceased that are low income. The distribution is shown below:



Also following bar chart shows most of deceased are male :

