

# Cancer Rates from 2012- 2016 Melanoma



# Objective

- The Obj. is to prove my hypothesis about the relationship of Melanoma and UV rays
- Make a valid map for the rate of Melanoma in New York State
- Verify the map with the assistance of a map of UV rays
- Use the data and verify if Melanoma rates and UV rays are related

# Areas Of The Investigation

- The area of the most UV ray rates investigation will be conducted on the entirety of the United States.



- The area of the cancer rates from 2016 will be investigated on the entirety of New York state.

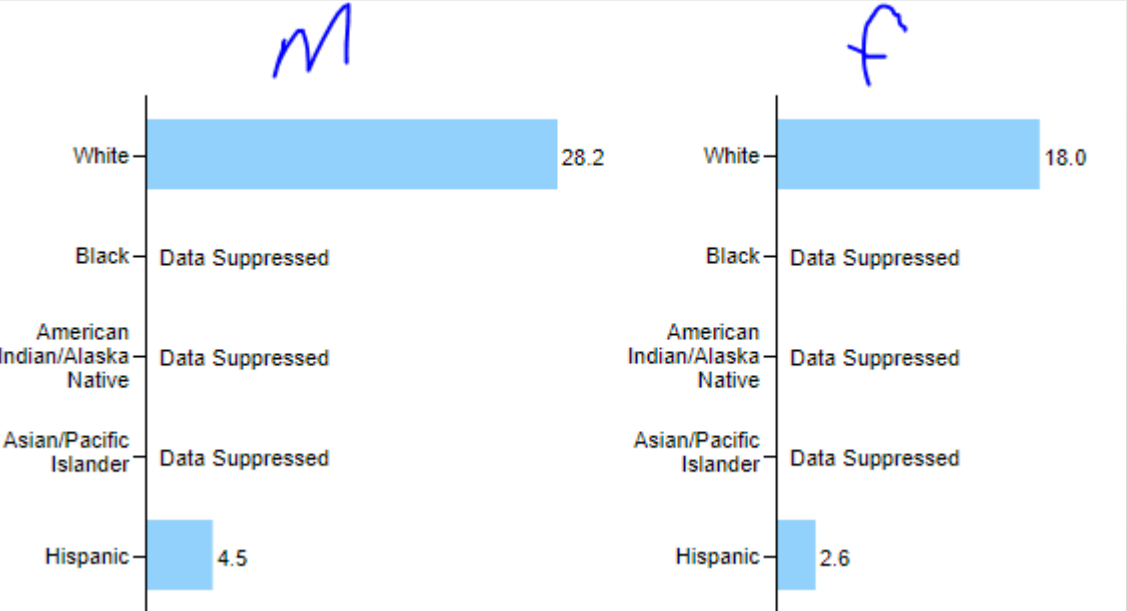
# Data Collected

- This is the data collected for cancer rates in New York State.
- The UV rays' data is too large to fit. 3109 rows.

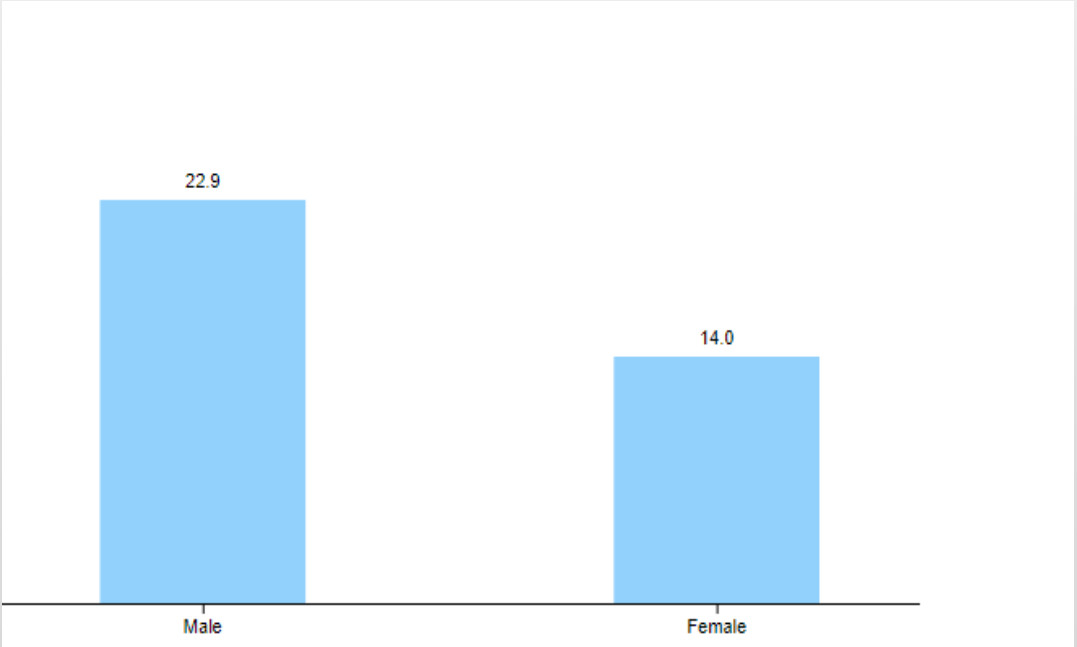
[illegible]

# Data Collected (Continued)

Data collected for male and females(more enriched):  
Amount is in 100,000



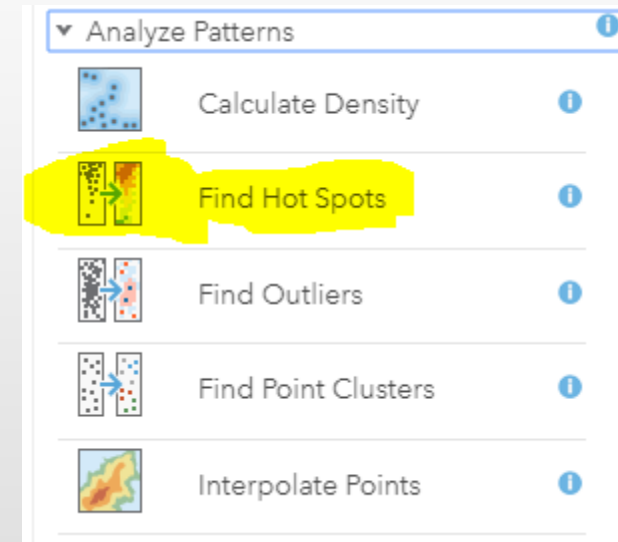
Data collected for males and females:  
Amount is in 100,000





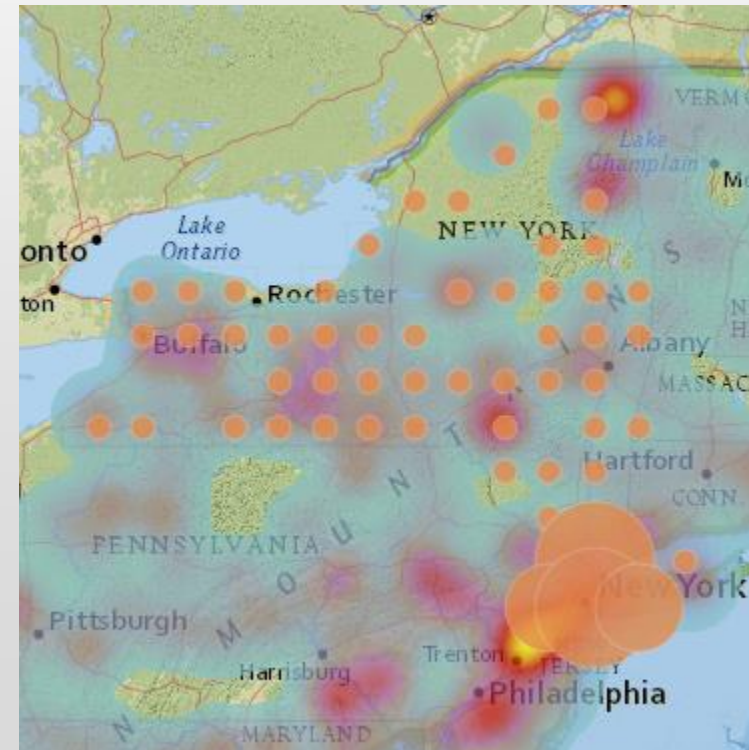
# Analysis used

## Hotspot Analysis used.



# Results

I Found out that the amount of UV rays line up with the rate of melanoma.



# Links and Credits

<https://gis.cancer.gov/tools/uv-exposure/>

<https://gis.cdc.gov/Cancer/USCS/DataViz.html>



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# My Career Story

## Who I am:

- Activities I like are watching documentaries
- School subjects I like are: Science, Math, and Technology
- My interest areas are: Realistic, Investigative, and Artistic

## Where I am headed:

- My top Occupations are: Astronomer and animator
- An astronomer observes space and solves problems quickly
- Astronomers need a doctoral degree
- What I like about astronomers are: That they find new discoveries about the unexplored Universe.

# My Career Story(continued)

How I can get there:

- During the school year I can work hard to improve my grades and take science and math classes
- During the summer I can contact mentors and learn more
- My teachers can help me on my career path

How GIS is related to astronomy:

- They both are science related careers
- They both need data to prove their points
- GIS is used in Astronomy

# My Career Choices

