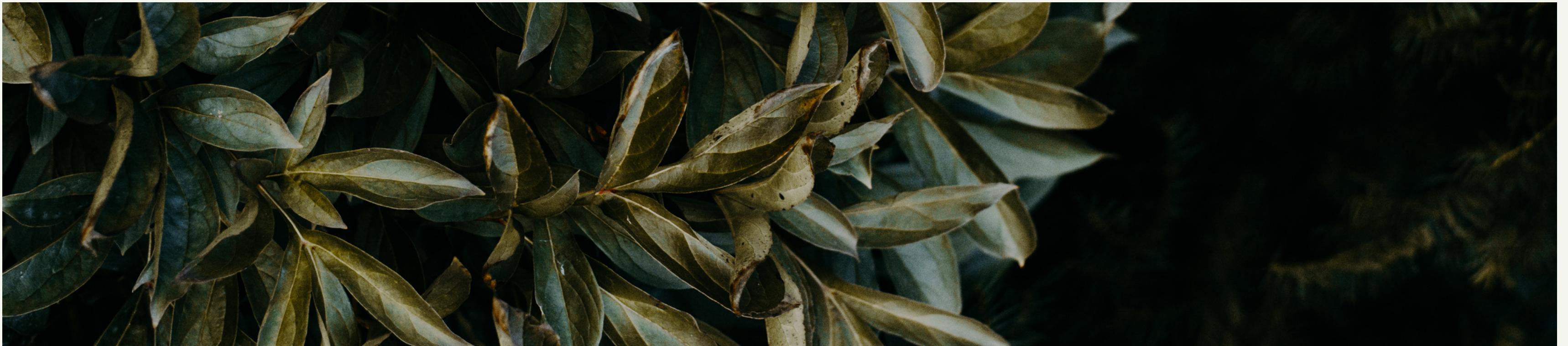


Predicting Spread of Future Wildfires

Fatima Siddiqui



AUGUST 2020

THESIS DEFENSE

Affect of Wind, Rain, RF, and Temperature on Spread of Future Wildfires



Significance of the Study



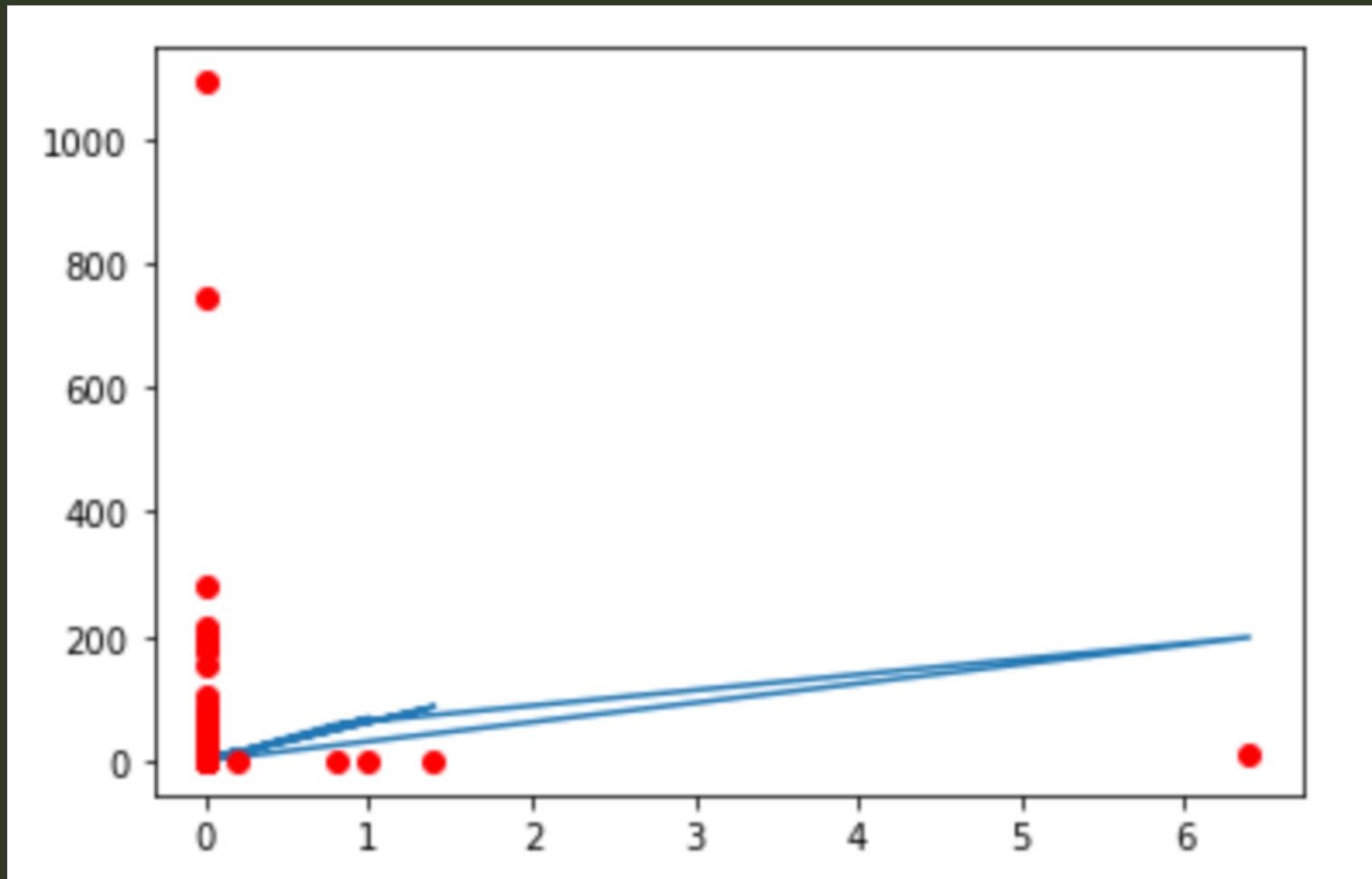
Limitations of the Study

Limited to the data on hand,

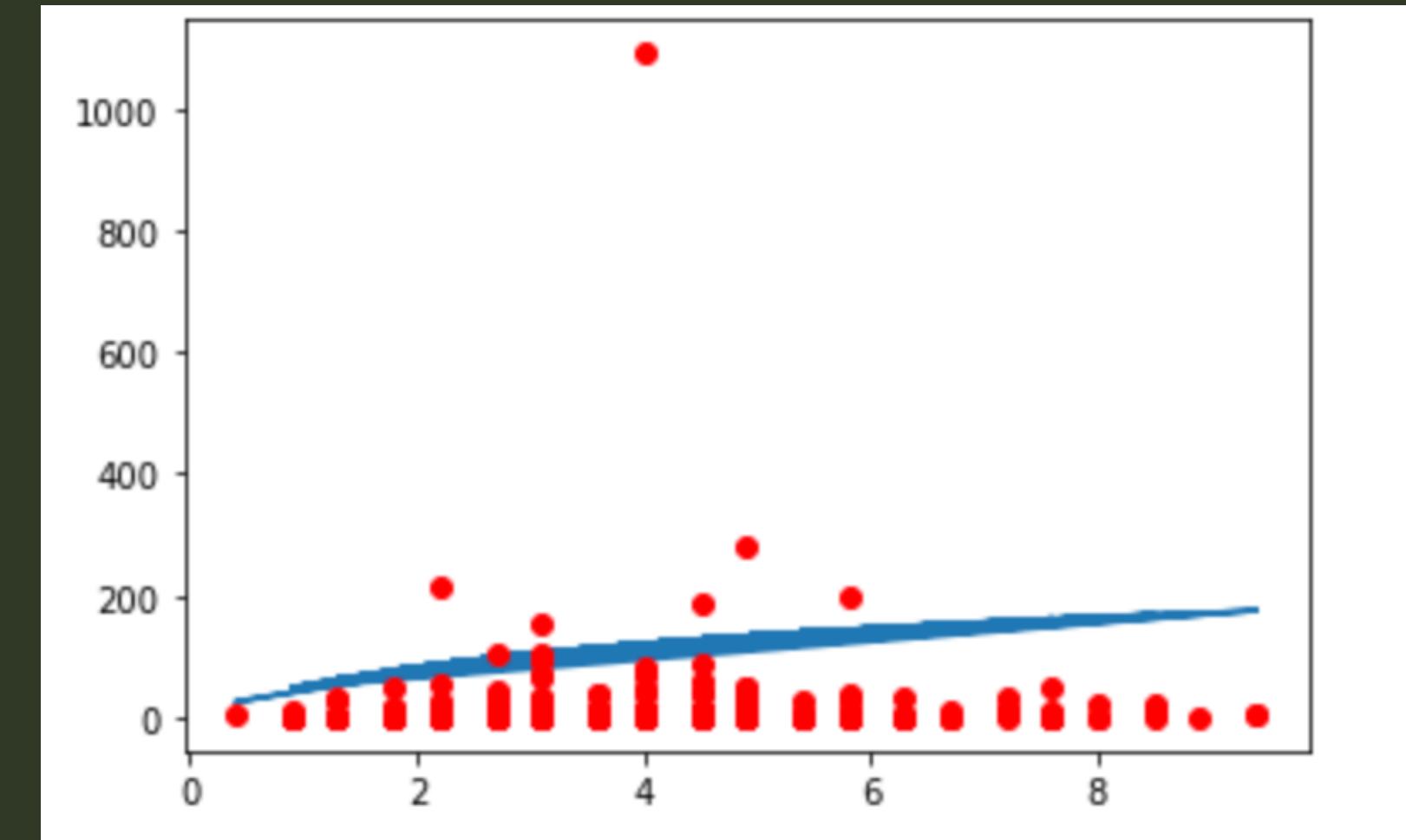
Certain regression models produced extremely inaccurate results

Singular Approach

EACH OF THE PARAMETERS WERE INDEPENDNTLY TRAINED AND PREDICTED WITH



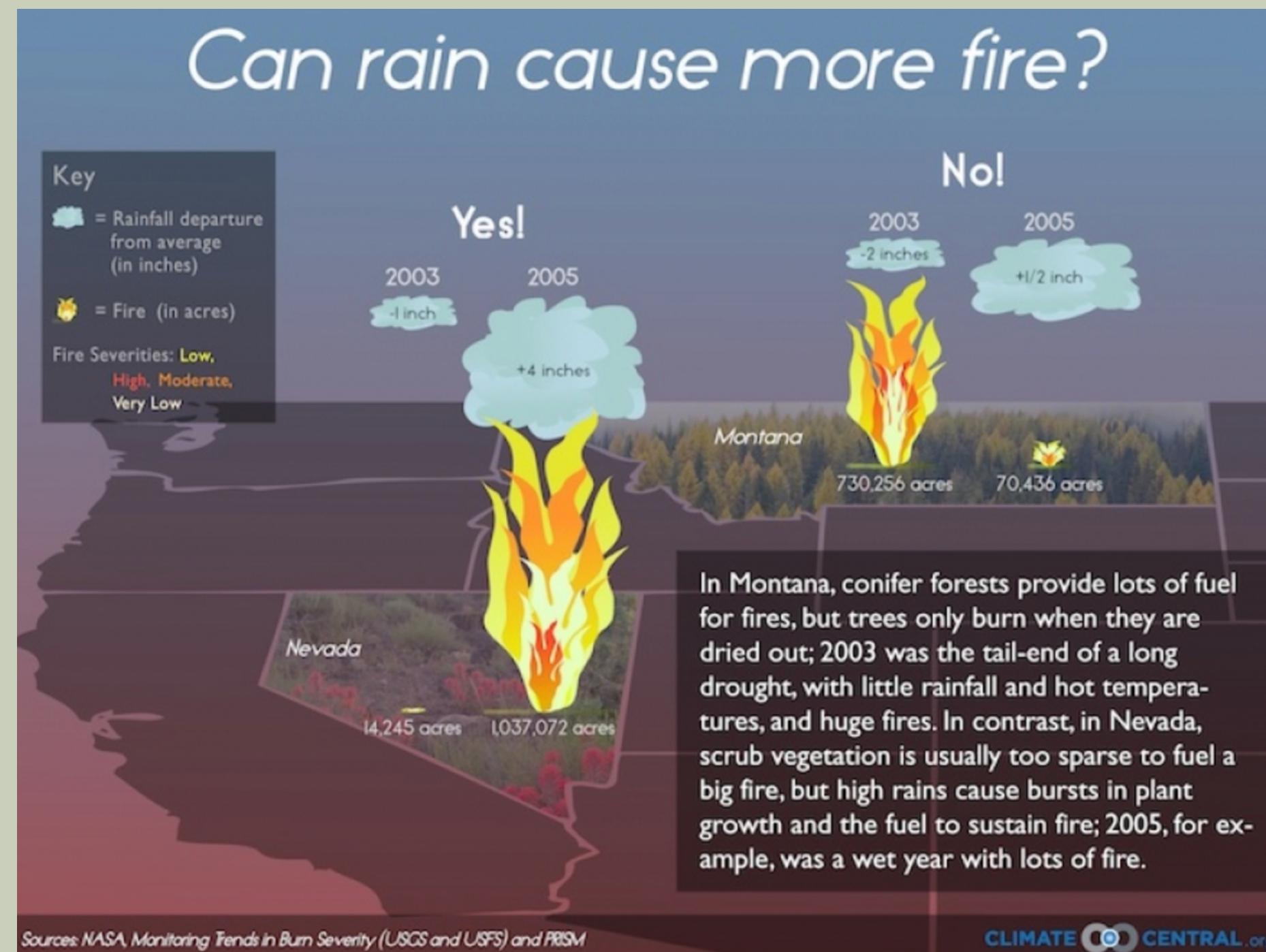
R² = -0.04



R² = -1.56

The temperature of the wind can also significantly cool the land which may mitigate the intensity of the fire or cool it completely if the size is small.

Dependent on the area:





Thank You!

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