

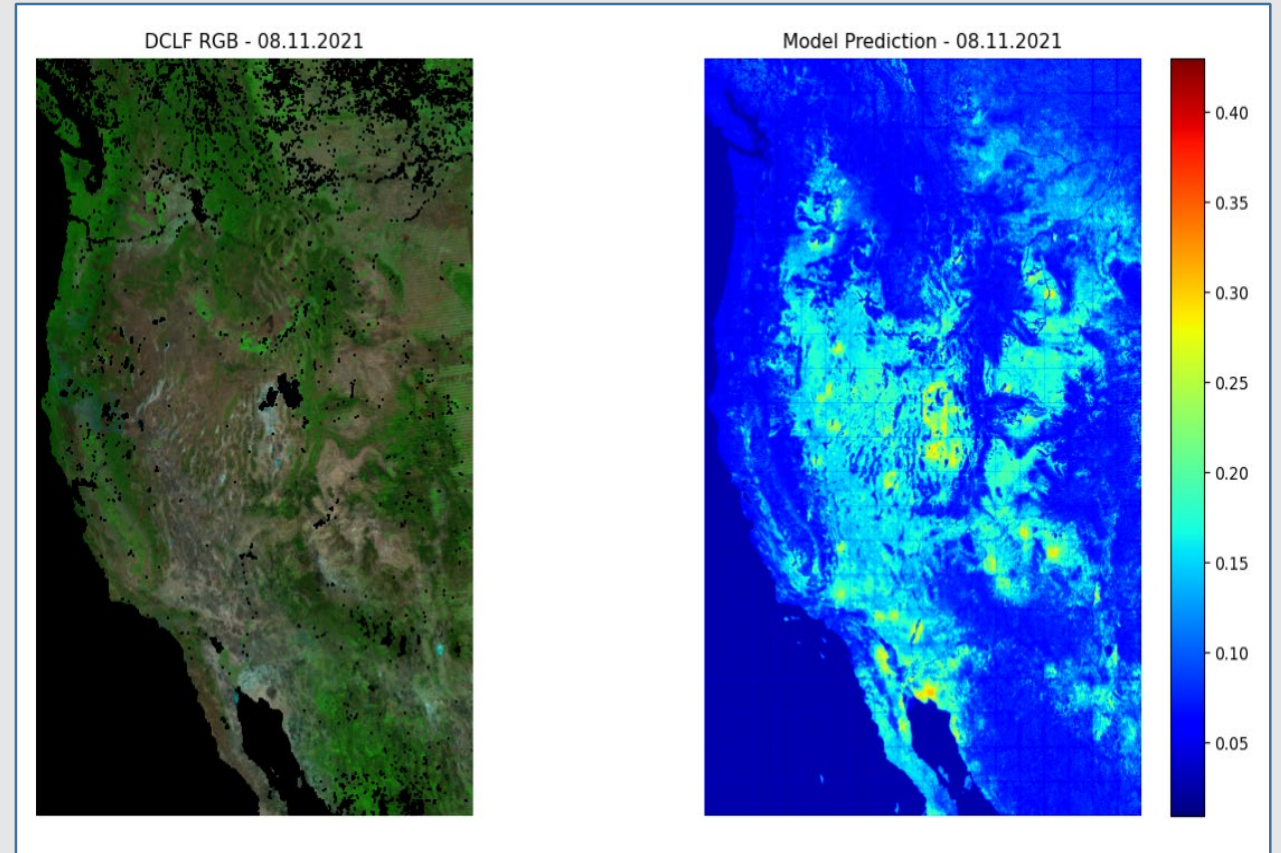
## Objectives

To build, test, and train a machine learning algorithm using satellite imagery to ascertain the location of fires and burn scars throughout the western US, including the prominent California Park Fire.

## Results

- Clear overfitting in desert areas
- Burn scars do appear, but are overshadowed by other areas on the map (predominantly in low vegetation areas that are unburned)
- Algorithm needs further training

## Training Data

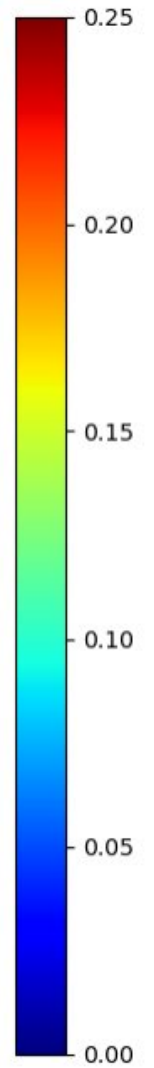
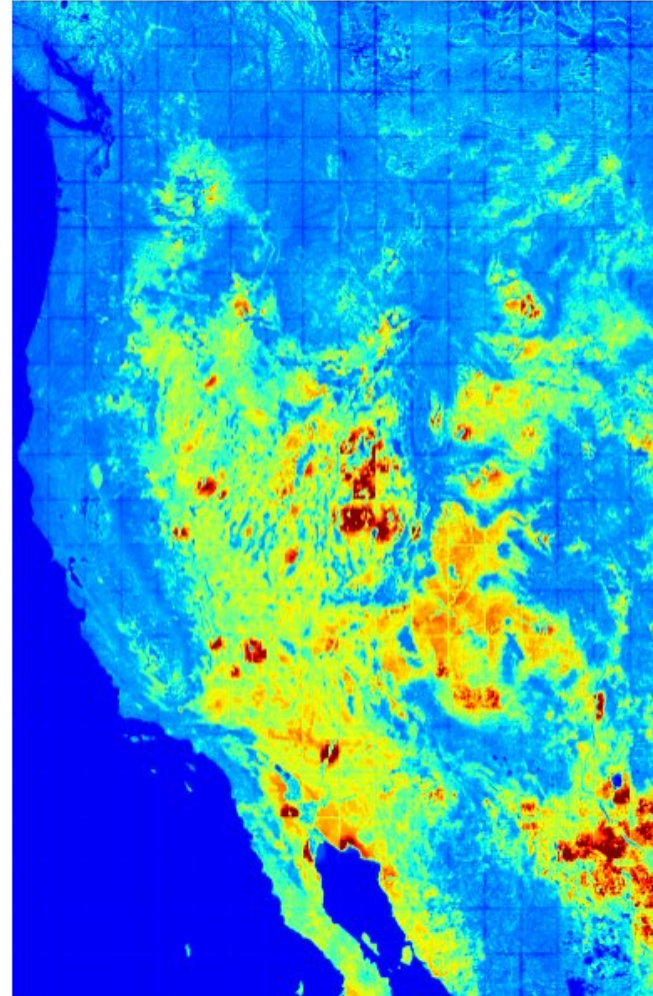


# California's Park Fire

DCLF RGB - 07.28.2024

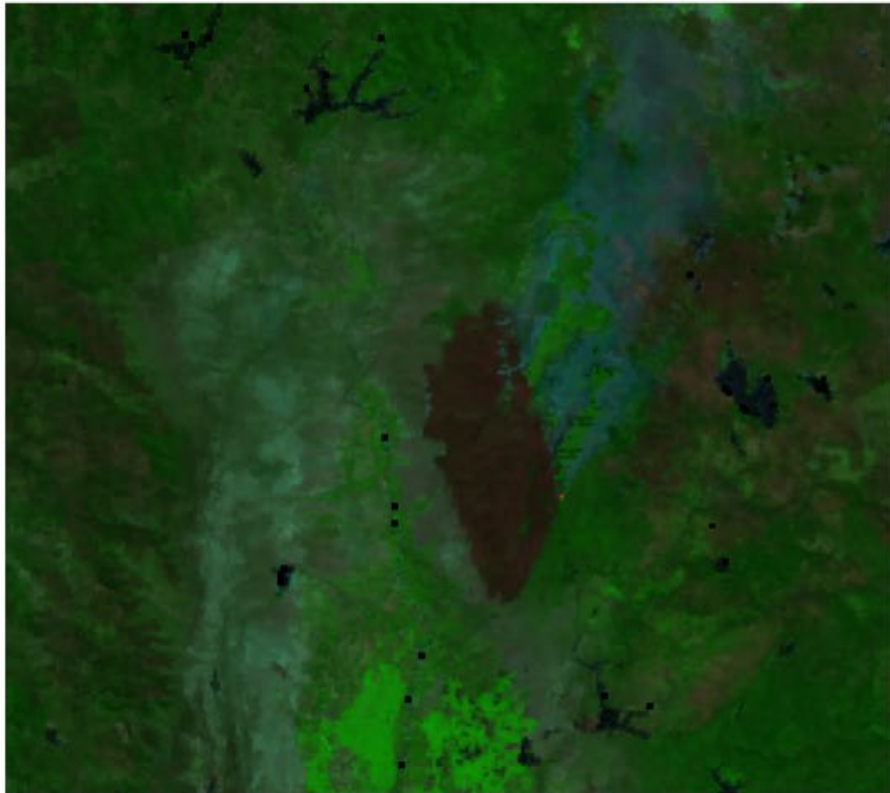


Model Prediction - 07.28.2024



# California's Park Fire

DCLF RGB - 07.28.2024



Model Prediction - 07.28.2024

