

PROJECT 1 DETAILS

1) **Project Goal:** To prevent the loss of logistics, suppliers, and customers of Walmart during wildfires, to access the area to be damaged by the fire

2) **Project Objective:** A model that predicts the areas under affect once a wildfire has begun.

- i) Prevent losses to Walmart during wildfires
- ii) Increase revenue for Walmart
- iii) Alert the customers and the suppliers regarding blocked routes.

3) **Project scope:** Focusing on the wildfire prone states like California due to specific protocols and assessments to be followed in the state.

- Limitations: We cannot predict wildfires at every specific Walmart location
- We cannot work on live data
- Data needs to be streamlined as much as possible

4) **Utility Cases:** This model can be used by Walmart to gauge the routes and areas that could be damaged by the ongoing fire, it could alert suppliers and customers regarding which routes to avoid.

5) **Data:** Public data, mostly from government sites (although data is not readily available for the state of California, there is existing data that we can use to put the impact onto the present fire using predictions algorithms)

6) **Current Progress:** We plan to work towards finding a consolidated set of data and using past wildfire data and inputs, accessing the damaged areas, and inputting them into the algorithm of a current fire, to test the accuracy of our model.