

Wildfire Prediction Project Proposal

Proprietary +
Confidential

Objective

This project is aimed at developing a wildfire prediction engine that will improve the capabilities of the current prediction methods for the National Parks Service.

Planning and Analyzing stages

| Milestone | Tasks | Outcome/Deliverables | Estimated Time |
|-------------|---|--|----------------|
| Milestone 1 | <ul style="list-style-type: none">Project workflow is outlinedData is gathered from various sourcesSoftware/hardware needs are identified | <ul style="list-style-type: none">Stakeholders are updated | 2–3 weeks |
| Milestone 2 | <ul style="list-style-type: none">Data is scrubbed, converted, and formatted | <ul style="list-style-type: none">Database ready for modelingStakeholders are updated | 2–3 weeks |

Constructing and Executing stages

| | | | |
|-------------|---|--|---------|
| Milestone 3 | <ul style="list-style-type: none">Modeling and machine learning decisions are finalizedModel is constructedMachine learning techniques are tested and retested for accuracy | <ul style="list-style-type: none">Machine learning modelStakeholders are updated | 4 weeks |
| Milestone 4 | <ul style="list-style-type: none">Results are finalizedFindings are shared with stakeholdersFeedback is incorporated | <ul style="list-style-type: none">VisualizationsExecutive summaryResults | 3 weeks |