



## Activity Overview

As you have learned, a project proposal is a document you will encounter during your career as a data professional. To review, a project proposal is a plan of action that describes what needs to be accomplished in order to achieve a project's intended goals and outcome. The main function of this resource is to outline a project's objectives and requirements. Project proposals are typically generated at the beginning of a project and are used by team members throughout the project's duration.

In this activity, you will review and answer a series of quiz questions about a project proposal.

### Scenario

Review the following scenario. Then complete the step-by-step instructions.

You are a data analytics professional who was recently hired by the National Parks Service to join their data team. The team is about to begin working on a project to improve the predictability of wildfires so that prevention efforts can be targeted more effectively and resources delegated to the appropriate areas. To familiarize you with the project, your new manager has sent you the project proposal. You need to review the document in order to prepare for your first team meeting about the project.

### Step-By-Step Instructions

Consult the supporting materials to answer the quiz questions that follow. After you complete the quiz, you can compare your answers to the feedback provided.

#### Step 1: Access supporting materials


The following supporting materials will help you complete this activity. Keep them open as you proceed to the questions that follow.

To use the supporting materials for this course item, click the following link and select "Use Template."

Link to supporting materials: [Wildfire prediction project proposal](#) 

OR

If you don't have a Google account, you can download the supporting materials directly from the following attachment.

 [Wildfire prediction project proposal](#)  
[PPTX File](#)

#### Step 2: Answer questions about the project proposal

1. What is the main goal of the project?

1 / 1 point

- ☒ Develop a wildfire prediction engine to improve the prediction methods for the National Parks Service
- ☐ Deliver a machine learning model
- ☐ Test and retest machine learning techniques for accuracy
- ☐ Scrub, convert, and format data

☒ Correct  
The project's main goal is described in the "objective" section of the project proposal. The objective statement is a 1–3 sentence explanation of what the project is trying to achieve.

2. Approximately how long should it take to complete the planning and analysis stages of the project? 0 / 1 point

- ☐ 4-6 weeks  
☒ 3 weeks  
☐ 7 weeks  
☐ 11-13 weeks

☒ Incorrect

The time it will likely take to complete different project stages and milestones is indicated in the "time estimates" section of the project proposal. It will likely take 3 weeks to complete Milestone 4 in the constructing and executing stages of the project. Each milestone in the planning and analysis stages is estimated to take 2-3 weeks, for a total of 4-6 weeks.

3. Identifying the software and hardware requirements of the project is a task associated with which project milestone? 0 / 1 point

- ☐ Milestone 2  
☐ Milestone 4  
☒ Milestone 3  
☐ Milestone 1

☒ Incorrect

Identifying the software and hardware needs of the project is a task associated with Milestone 1. The tasks associated with each project milestone can be found in the "tasks" column to the right of each milestone.

4. During which stages of the project should the team share project progress and findings with stakeholders? Select all that apply. 1 / 1 point

☒ Planning

☒ Correct

Stakeholders should be informed about project progress and findings throughout all stages of the project. Input from stakeholders can serve as a basis for making decisions throughout the project.

☐ Modeling

☒ Constructing

☒ Correct

Stakeholders should be informed about project progress and findings throughout all stages of the project. Input from stakeholders can serve as a basis for making decisions throughout the project.

☒ Executing

- ☒ Correct  
Stakeholders should be informed about project progress and findings throughout all stages of the project. Input from stakeholders can serve as a basis for making decisions throughout the project.

☒ Analyzing

- ☒ Correct  
Stakeholders should be informed about project progress and findings throughout all stages of the project. Input from stakeholders can serve as a basis for making decisions throughout the project.

5. Which deliverables are associated with the tasks of finalizing modeling and machine learning decisions, constructing a model, and testing machine learning techniques for accuracy? Select all that apply.

0 / 1 point

☒ Machine learning model

- ☒ Correct  
Once modeling and machine learning decisions are finalized, a model is constructed, and machine learning techniques are tested for accuracy, a machine learning model can be delivered and stakeholders can be updated.

☒ Visualizations

- ☐ This should not be selected  
After results are finalized and feedback is implemented, visualizations can be used to share findings with stakeholders. A machine learning model can be delivered and stakeholders can be updated once modeling and machine learning decisions are finalized, a model is constructed, and machine learning techniques are tested for accuracy.

☒ Database ready for modeling

- ☐ This should not be selected  
The database is ready for modeling when the data has been scrubbed, converted, and formatted. A machine learning model can be delivered and stakeholders can be updated once modeling and machine learning decisions are finalized, a model is constructed, and machine learning techniques are tested for accuracy.

☐ Stakeholders updated