**Submit your assignment soon**

Even though your assignment is due on May 30, 9:59 AM +03, try to submit it 1 or 2 days early if you can. Submitting early gives you a better chance of getting the peer reviews you need in time.

1. [**Instructions**](https://www.coursera.org/learn/data-science-fundamentals-for-data-analysts/peer/J73IG/design-a-data-science-process-activity)
2. [**My submission**](https://www.coursera.org/learn/data-science-fundamentals-for-data-analysts/peer/J73IG/design-a-data-science-process-activity/submit)
3. [**Discussions**](https://www.coursera.org/learn/data-science-fundamentals-for-data-analysts/peer/J73IG/design-a-data-science-process-activity/discussions)

In this project, you will be designing a data science project. You will apply your knowledge of the data science process and skill sets. You will also be asked to employ your knowledge of a domain or industry of your choice.

Similarly to the “Examples of Data Science” video, you will be filling in the prompts below to align with a data science project of your choice. If you need examples of data science projects within your industry, feel free to use the internet to search for examples of data science in your industry.

Be sure to include a description of the decisions you’re making at each step and the skills that will be required to complete each step.

Your goals for this project are to:

1. Design a data science project using the information presented in this course about the scientific method.
2. Identify the fields from which skills are needed for each step in the scientific method.

**Review criteria**

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You will be grading another student’s project while another student also grades your project. Grades should be assigned based on the following rubric. If the project’s description does not meet any of the point descriptions, please select the score that is closest to the description. In order to pass this assignment, students must receive a grade greater than or equal to 4.

| **Points** | **Description** |
| --- | --- |
| 0 | The project fails to define a question or hypothesis for the project. |
| 1 | The project defines a question or hypothesis and details how the results will be communicated.There is no consideration for the skills necessary to complete these stages. |
| 2 | The project defines the industry, a question or hypothesis, and a method of communication of the resultIn addition, the project identifies a couple skills necessary at various stages. |
| 3 | The project defines the data science question or industry, a hypothesis based on the expected outcome, a description of the data necessary, and a method of communication.In addition, the project identifies the domain knowledge, applied statistics, computer science, and machine learning skills that are necessary to complete a few of the steps of the process. |
| 4 | The project clearly defines the data science question and industry, a clear alternative hypothesis, a roughly designed experiment or technique for assessing the hypothesis, and a method of communication and delivery.In addition, the project clearly identifies the domain knowledge, applied statistics, computer science, and machine learning skills that are necessary to complete most of the steps of the process. The data necessary to complete most of the steps is included. |
| 5 | The project clearly defines the data science question and industry, a complete hypothesis set with a null hypothesis and an alternative hypothesis, a clearly designed experiment or technique for assessing the hypothesis set, and methods of communication and delivery depending on whether the null hypothesis is rejected.In addition, the project clearly identifies the domain knowledge, applied statistics, computer science, and machine learning skills that are necessary to complete each step of the process. The data necessary to complete each step is included. |