



## Data Science Career Track

### Capstone Three Step 0: Project Ideas

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**Estimated Time: 3-6 Hours**

#### Project Overview

For your third capstone, you'll work through the Data Science Method steps again, however, the main difference between this capstone and the second one is that your third capstone should highlight one of the topics or techniques identified in your specialization. Examples include applying deep learning, a time series model, natural language processing or image processing. Additionally, a complete Capstone project should include making this model available in a production environment such as on Paperspace or as an API. In order to provide for more robust computing power, you may need to sign up for a Paperspace account and use that cloud resource to complete your third capstone project.

Student Example - still need to find an example

#### Project Steps

1. Explore datasets from [Google Data Search](#). Some other search engines include:
  - [Quandl](#), [US Government Open Data](#), [UCI Machine Learning Repository](#), [Kaggle competitions](#), [Mode Analytics](#)
  - [Data is Plural](#) is an email list that sends newly released and interesting datasets
2. Find **three datasets of interest** and turn those into project idea drafts. You can also combine two or more datasets to answer a single question.

**For your initial project ideas, please:**

- Include a short description of each idea. The description should briefly discuss the problem and the data you'll use to solve it. At this point, there's no need to outline specific methods and techniques.
- Post your idea, including the title and description, to the community and solicit feedback from both other students.

**One word of caution:**

Be sure to choose your datasets wisely; check for a reputable source and detailed data documentation or metadata to describe how it was collected and the appropriate level of context required for using it responsibly.