# DS 3000 – Project Summary

In this deliverable, you will submit a short summary (approximately three/four paragraphs) of your project, including a brief introduction to the problem and its significance, a statement of research questions/hypotheses and a description of the dataset and data analysis plan (i.e., the techniques you are planning to use to answer your research questions and/or test your hypotheses). You will **also** share this summary with classmates (via Blackboard Discussions) and provide each other with constructive feedback. Think of this as a first step in putting together all of the pieces of your project.

**What to submit**

* Complete the sections on the following page.
* Before submitting your completed document, **delete this first page** containing the instructions.
* **Submit your completed document** on Blackboard (used for grading).
  + Submit a PDF document.
* **Post your summary** under the designated discussion board, Project Summaries, **as well** (used for peer feedback).
  + Copy and paste your text instead of uploading the same Word document
  + The title or subject line of your post should be as follows: Group 01 – Topic Name
    - Topic name should consist of 3-4 keywords
  + More details on how the peer-review activity will work will be provided after the summaries are posted.

## Project Summary

**Overview**

Your summary should begin with an overview of your topic, including a description of the problem. Here are Here are a few questions that you should consider addressing

* What is the topic of your project?
* Why is it important to tackle this problem in your project?
* What is your dataset about? How large is it?
* What are your features? What is your target variable?

**Questions/Hypotheses**

* What questions have you formulated regarding your dataset? These questions may tie back to the problem statement (just present as questions this time). You should have at least one question tapping into the comparison among multiple ML algorithms in predicting your target variable from your feature variables.
* What hypotheses are you going to test?
  + What hypotheses have you formulated regarding potential causal relationships among some of the variables in your dataset?

**Data Analysis Plan**

* What are some analyses you are planning to conduct? This is tentative and can change later.
  + Is your project tackling a classification problem or a regression problem?
  + Which ML algorithms are you planning to use?
  + Which feature extraction/engineering techniques are you planning to use?