

# Project 2 – What Dogs are Adoptable?

MTH 161 – Fall 2024

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## Part 1: choose a dataset and propose a question

**Due Nov. 15th**

The first step is to think about and choose a potential question or topic that you're interested in and then find a dataset that will help you investigate your question.

The dataset you choose should

- Have at least 100 observations
- Have at least 5 columns (variables)

You must credit a source for your data and provide a link to the source.

After you identify a dataset to examine, provide enough background on the dataset for your reader to understand the context for your research question. This might include a snippet of data (using your favorite code), a codebook explaining what the variables are, and/or a calculation that has pointed you to a question about the data that you find compelling: whatever you feel is needed to help frame your research question. Finally, make sure your research question is articulated precisely with clear reference to the variable(s) or parameter(s) of interest. Past AEs, labs, and the first project all contain examples of carefully stated research questions.

### Note

I chose the dataset Adoptable Dogs from Kaggle.com. I wanted to see what type of dogs get adopted the most. What type of characteristics do they need in order to get Adopted? Does the type of breed affect if they get adopted or not? Is there a pattern within dogs getting adopted? I downloaded the dataset in postitcloud. <https://www.kaggle.com/datasets/jmolitoris/adoptable-dogs?resource=download> There are 19 columns and 2,937 observations of dogs.

