

Project Proposal

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1 Dog Breed Identification

When figuring out what topic to do for my project, I decided to explore past kaggle competitions to get a few ideas. I came across a competition about identifying different breeds of dogs from images and it sparked my interest. For this project I plan on building a classifier using a Convolutional Neural Network and dog breeds. The past competition on kaggle gives me access to labeled data as well as training and testing data. To build this classifier, I would plan on doing it in Tensorflow. Here is a link to the past kaggle competition which has the data I could use to build this classifier: [Dog Breed Identification](#). This project would fall under an algorithmic type of project. Kaggle is providing me with the problem that they would like to solve. I will then develop a new learning algorithm, or a novel variant of an existing algorithm, to solve it. This project will be difficult as I begin to learn these new topics. Since it is a previous Kaggle competition, there is access to what other people have tried to solve this problem. This will be helpful as I begin to teach myself these new ideas and try to create my own algorithm to solve this problem.