# Capstone Project Proposal

## Problem to Solve

Develop an algorithm or other tool to match people with best fit for dog breeds in the AKC (American Kennel Club).

## I am the client. I want to develop an analytical approach to matching people to best fit dog breeds.

I have tried multiple tests and quizzes to identify a dog breed that fits my personality and wants, but they have not asked for all of the characteristics that I would want to match my needs with a dog breed.

## Data for this Project

I started with three Excel files that contained AKC dog breeds with their height and weights, a list of the breeds with an intelligence rating from a famous experiment widely used among dog professionals and a list that contained brief descriptions of the personalities or temperament of dog breeds. I reviewed the current AKC dog breed information and added the newly accepted breeds then went to various breed-related websites to complete the information. I also identified the countries of origin of all dog breeds, added grooming requirements and life spans for all breeds.

## Approach to Solve Problem

I plan to continue to research breed data until I find enough information for a thorough usable algorithm to offer multiple breed matches to personalities. I anticipate needing to create groups from the details as well as creating priorities for selection.

## Deliverables

* Usable, clean data sets.
* Code used in project.
* Presentation with visual information.
* Summary / Report of project.