My own Machine Learning project. I’m going to use images, but as said, a model can work with a lot of data types. Using classification to classify the images. This type of algorithm can give as output a lot of other things, like a “meow” when it recognizes a cat.  
Defining the right feature is not an easy work, so it’s important to get a lot of Training data with the chosen feature. The examples should be as varied as possible, in all the aspects.  
A Test Data Set is needed. It should be as near as possible to real cases.