* Assignment 1

→ Goals:

* Understand the basic Image Classification pipeline!

k data-driver approach (train/pordict) stages)

* Understand the train (Val) (test) splits?

Low Use of validation data for hosperparameter tunings!

* Develop possoficiency in worthing efficient Vectorized

* Implement and apply a [K-Near and Neighborn (KNN) classifien]

* Implement and apply, a [multiclass SVM classifien]

* Implement & apply [Softman classifici)

* Implement & apply Two layer neural network classifical

* Understand the différence & toadeoffs between these

* Got a basic understading of performance improvements
from using higher-land orepresentation that onew pixels.

Colan Mistogram, Histogram of Concolients (MOG) fectures}

Setup Instauctions

[Woorking on Crogle Colabonatury]

Combination of Jupyter note books and Cougle arive

- The sound continery in the cloud & comes preinstelled with many perkeyes (e.g. Potarch & Tensonflow), so everyone has access to the Same dependencies.
- Colab benefits from free access to hardware accelerators like GPUs (K80, P100) and TPUs.