Colab Basics

TF2.0 Loading Data

```
# download the data from a URL
# source: https://archive.ics.uci.edu/ml/datasets/Arrhythmia
# alternate URL: https://lazyprogrammer.me/course_files/arrhythmia.data
#!wget --no-check-certificate
https://archive.ics.uci.edu/ml/machine-learning-databases/arrhythmia/arrhy
thmia.data
!wget https://lazyprogrammer.me/course_files/arrhythmia.data


# use keras get_file to download the auto MPG dataset
# source: https://archive.ics.uci.edu/ml/datasets/Auto+MPG
#url =
'https://archive.ics.uci.edu/ml/machine-learning-databases/auto-mpg/auto-m
pg.data'


### alternate URL
url =
'https://raw.githubusercontent.com/lazyprogrammer/machine_learning_example
s/master/tf2.0/auto-mpg.data'


# another method: upload your own file


##### PLEASE NOTE: IT DOES NOT MATTER WHICH FILE YOU UPLOAD
##### YOU CAN UPLOAD ANY FILE YOU WANT
##### IN FACT, YOU ARE ENCOURAGED TO EXPLORE ON YOUR OWN


# if you must, then get the file from here:
#
https://raw.githubusercontent.com/lazyprogrammer/machine_learning_examples
/master/tf2.0/daily-minimum-temperatures-in-me.csv
```

Machine Learning Basics

TF2.0 Linear Regression

```
!wget
https://raw.githubusercontent.com/lazyprogrammer/machine_learning_examples
/master/tf2.0/moore.csv
```

Natural Language Processing

TF2.0 Spam Detection

```
# Unfortunately this URL doesn't work directly with pd.read_csv
!wget -nc https://lazyprogrammer.me/course_files/spam.csv
```