The Engineering World #DataScience 32

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1 NAIVE BAYES CLASSIFIERS

```
In [1]: import numpy as np
        import pandas as pd
        import urllib

        import sklearn
        from sklearn.naive_bayes import BernoulliNB
        from sklearn.naive_bayes import GaussianNB
        from sklearn.naive_bayes import MultinomialNB
        from sklearn.cross_validation import train_test_split
        from sklearn import metrics
        from sklearn.metrics import accuracy_score
```

```
/home/akkal/anaconda3/lib/python3.6/site-packages/sklearn/cross_validation.py:41: DeprecationWar
  "This module will be removed in 0.20.", DeprecationWarning)
```

1.1 Naive Bayes

1.1.1 Using naive bayes to predict spam