**Week\_3\_resources**

**Machine Learning Algorithms**

This week will be slightly hectic. Please put efforts. All the best.

Linear Regression: (all videos) <https://www.youtube.com/playlist?list=PLfFghEzKVmjsxY5ciwh27IyxuFymb798X>

Logistic Regression: (skip content which you already know)

<https://www.youtube.com/playlist?list=PLfFghEzKVmjsF8ixJ-xKVuQayPWRH4Sp6>

Support Vector Machine: (only first 4 videos)

<https://www.youtube.com/watch?v=dAxxUfmvG2I&list=PLfFghEzKVmjvzS4DILijsdQk27Ew7xIPu&index=5>

K-Nearest Neighbour: <https://www.youtube.com/watch?v=wKmEULDRszo>

Explore how to use these algorithms from sklearn. Explore fit() method and predict() method. It is very easy. Usually only a few lines of code.

Classification Metrics: (Please read all carefully, wonderful articles)

<https://www.evidentlyai.com/classification-metrics/accuracy-precision-recall#:~:text=Accuracy%20is%20a%20metric%20that,often%20the%20model%20is%20right%3F>

<https://www.evidentlyai.com/classification-metrics/confusion-matrix>

<https://encord.com/blog/f1-score-in-machine-learning/#:~:text=A%20high%20F1%20score%20generally,has%20trouble%20striking%20that%20balance>.

<https://www.geeksforgeeks.org/ml-r-squared-in-regression-analysis/>