**40 Machine Learning Algorithms and models explained with Python**

All Machine Learning Algorithms and models explained with Python

1 DBSCAN Clustering  
2 Naive Bayes  
3 Gradient Boosting (Used in implementing the Instagram Algorithm)  
4 Logistic Regression  
5 Linear Regression  
6 Apriori Algorithm  
7 K Nearest Neighbor  
8 CatBoost  
9 SMOTE  
10 Hypothesis Testing (Commonly used in Outlier Detection)  
11 Tf-Idf Vectorization  
12 Cross-Validation  
13 4 Graph Algorithms (Connected Components, Shortest Path, Pagerank, Centrality Measures)  
14 Ridge and Lasso Regression  
15 StandardScaler  
16 SARIMA  
17 ARIMA  
18 XGBoost Algorithm  
19 Long Short Term Memory (LSTM)  
20 One Hot Encoding  
21 Bidirectional Encoder Representations from Transformers (BERT)  
22 Facebook Prophet  
23 NeuralProphet  
24 AdaBoost Algorithm  
25 Random Forest Algorithm  
26 H2O AutoML  
27 Polynomial Regression  
28 Gradient Descent Algorithm  
29 Grid Search Algorithm  
30 K-Means Algorithm  
31 Manifold Learning  
32 Principal Component Analysis  
33 Decision Trees  
34 Support Vector Machines  
35 Neural Networks  
36 FastAI  
37 LightGBM