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| **Course** | **Part** | **Topic** | **Completed(Y/N)** | **Document** | **Comment** |
| Machine learning A-Z | Preprocessing | Importing data set |  |  |  |
|  |  | Missing value |  |  |  |
|  |  | Categorical value |  |  |  |
|  |  | Splitting data set into train test |  |  |  |
|  |  | Feature scaling |  |  |  |
|  |  | Preprocessing template |  |  |  |
| Use Python bootcamp udemy course as well for creating documents | Regression | Simple Linear |  |  |  |
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|  | Polynomial regression |  |  |  |
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| Classification | Logistic Regression |  |  |  |
|  | KNN |  |  |  |
|  | SVM |  |  |  |
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|  | Naïve Bayes |  |  |  |
|  | Decision Tree |  |  |  |
|  | Random Tree |  |  |  |
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|  |  | Confusion Matrix |  |  |  |
|  |  | Accuracy Matrix |  |  |  |
|  | Curve Analysis | Cap Curve |  |  |  |
|  |  | Roc –Auc |  |  |  |
|  | Clustering | Kmean |  |  |  |
|  |  | Hierarchical |  |  |  |
|  | Dimensionality reduction | Step Wise backward forward  Bi-directional |  |  |  |
|  |  | PCA (Principal component analysis) |  |  |  |
|  |  | LDA(Linear Discriminant analysis) |  |  |  |
|  | Model selection | K-Fold cross validation |  |  |  |
|  |  | Grid Search |  |  |  |

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| **Course** | **Part** | **Topic** | **Completed(Y/N)** | **Document** | **Comment** |
| Python for data Science BootCamp | Python | Python crash course |  |  |  |
|  |  | Numpy |  |  |  |
|  |  | Pandas |  |  |  |
|  | Visualization | Matplotlib |  |  |  |
|  |  | Seaborn |  |  |  |
|  |  | Pandas |  |  |  |
|  |  | Plotly and Cufflinks |  |  |  |
|  |  | Geographical Plotting |  |  |  |
|  | Cross validation and bias variance trade off |  |  |  |  |
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