Curriculum Data Science

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| Module | Topics |
| Basic Python -1 | Data Types |
| Data Operators |
| Data Structures |
| Control Flow Statements and Loops |
| Reading and Writing in Python |
| Basic Python-2 | Comments and Indentation |
| Defining Function |
| Error Handling |
| Modules |
| Statistics | Basic Statistics |
| Measures of Central Tendency |
| Measures of Dispersion |
| Measures of Shape |
| Central Limit Theorem and Hypothesis  Testing |
| Machine Learning-1 | Numpy |
| Pandas |
| Data Visualization |
| Introduction to Machine Learning |
| Data Science: End to End Life Cycle and Reading data from different Sources |
| Data Science: Data Cleaning Feature Engineering |
| Introduction to Machine Learning |
| Exploratory Data Analysis |
| Machine Learning-2 | Linear Regression |
| Logistic Regression |
| Classification |
| Clustering |
| DATA SCIENCE: MODEL DEPLOYMENT |
| Artificial Intelligence Neural Networks using Tensors and Keras | Introduction to Neural Networks |
| Introduction to Neural Networks - cont |
| Basics of Tensor Flow |
| Basics of Keras |
| Convolutional Neural  Networks (CNN) | CNN: Introduction to terms and terminologies  Math behind the algorithm |
| CNN using Keras: Building CNN for Image Classification |
| Recurrent Neural Networks | Introduction to RNN |
| Sequence prediction of RNN |
| LSTM | Introduction to LSTM |
| Sequence prediction using LSTM |