Hello all...

Welcome to the World of Analytics!!!

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Github link: <https://github.com/Premalatha-success>

**Roadmap for Data Science:** https://www.youtube.com/watch?v=ZiuzliJdCsQ&ab\_channel=DatascienceMonster

**Introduction to Artificial Intelligence-Webinar:** <https://www.youtube.com/watch?v=USxCUXUzONU&t=1165s&ab_channel=DatascienceMonster>

**Notes for Reference:**

**Python:**

First Program: <https://youtu.be/coH_3h3kSe8>

How to add files to Github: <https://youtu.be/4nKlMmJtgKg>

Variables in Python: <https://youtu.be/uVzacoAGhPs>

Data types in Python: <https://youtu.be/jwse5aWQgz0>

Type casting: <https://youtu.be/sH8eiYlflZ0>

Simple Project-BMI Calculator: <https://youtu.be/pmm_GXJmryU>

**Machine Learning Libraries:**

Numpy: <https://youtu.be/aC06UxmZBGw>

Pandas Part 1: <https://youtu.be/W_Vqo3B5hLY>

Pandas Part 2: <https://youtu.be/jLd_fl6jAUY>

Plotly: <https://www.youtube.com/watch?v=GUcm_5bTBNs&ab_channel=DatascienceMonster>

Data Visualization: <https://www.youtube.com/watch?v=H4NTSBzTMGQ&t=92s&ab_channel=DatascienceMonster>

**Statistics and Probability:**

Descriptive and Inferential Statistics: <https://youtu.be/X8NP9vw6XXI>

Measures of Central Tendency: <https://youtu.be/SOs8UBOwzT4>

Measures of Dispersion: <https://youtu.be/OfYZV-lygqM>

Covariance and Correlation: <https://youtu.be/OfYZV-lygqM>

Introduction to Probability: <https://youtu.be/pzjGCQy04jE>

Events and Type of Events: <https://youtu.be/8yvfbCzMiks>

Conditional and Marginal Probability: <https://youtu.be/jWALt3uWq7U>

Baye’s Theorem: <https://youtu.be/oxGyN0Tv80w>

Expectation and Variance: <https://youtu.be/MN1hs-yfNIw>

**Exploratory Data Analysis:**

Missing Values: <https://youtu.be/WPSws1LGskE>

Outlier Detection-Practical: <https://youtu.be/zLfgvjvJs8U>

What are outliers? <https://youtu.be/Groy6B0iz68>

Standardization and Normalization: <https://youtu.be/igBBA204CD0>

Outliers Removal: <https://youtu.be/XXqGUBmR_5Q>

**Machine learning Algorithms:**

Walkthrough Linear Regression: <https://youtu.be/nInoj0oFELE?si=mM9Nm3W7TRjTTlW8>

RegressionTheory:

<https://www.youtube.com/watch?v=txBYdJUYYBU&t=0s&ab_channel=DatascienceMonster>

Rsquared: <https://www.youtube.com/watch?v=h8Y18Ljb25A&t=201s&ab_channel=DatascienceMonster>

Rsquared and Adjusted Rsquared: <https://www.youtube.com/watch?v=3kfCKDiHdFc&ab_channel=DatascienceMonster>

Simple Linear Regression-Handson: <https://www.youtube.com/watch?v=e_p6TGb2WHk&t=0s&ab_channel=DatascienceMonster>

Multicollinearity in Linear Regression: <https://www.youtube.com/watch?v=YtDs9ZalpOQ&ab_channel=DatascienceMonster>

Ridge Vs Lasso Regression: <https://www.youtube.com/watch?v=-MgQNQPb8r8&t=4s&ab_channel=DatascienceMonster>

RMSE in simple Terms: https://www.youtube.com/watch?v=aqwY7dS1Z10&t=4s&ab\_channel=DatascienceMonster

Types of Analytics: <https://youtu.be/CFnM1FEMEHo>

Dependent and Independent variables: <https://youtu.be/SOs8UBOwzT4>

Supervised and Unsupervised Learning: <https://youtu.be/EnQYEQ5-igA>

Logistic Regression: <https://youtu.be/CwTpFpvB4Xg>

Logistic Regression Practical - <https://youtu.be/kGcGQUZKXPg>

KNN in 10 minutes: <https://youtu.be/sH8eiYlflZ0>

KNN practical- <https://youtu.be/lFgle5Itk8c>

Baye’s Therem Practical: <https://youtu.be/QQd470XaCxk>

Decisiontree in Layman Term: <https://www.youtube.com/watch?v=2FXakPqTNX8&ab_channel=DatascienceMonster>

How Decision Tree works:

<https://www.youtube.com/watch?v=-UtC7K97xz4&ab_channel=DatascienceMonster>

Advantages of Decision Tree: <https://www.youtube.com/watch?v=tB4ioiEQznc&ab_channel=DatascienceMonster>

Limitations of Decision tree: <https://www.youtube.com/watch?v=YNeOCC-ZVB0&ab_channel=DatascienceMonster>

Capstone-1:Classification: https://www.youtube.com/watch?v=P84QP51h1Gg&t=36s&ab\_channel=DatascienceMonster

NLP in a minute: <https://www.youtube.com/watch?v=U6wUwvWXYSQ&t=5s&ab_channel=DatascienceMonster>

**What is Prompt Engineering:**

[**https://www.youtube.com/watch?v=2x6tpDC5vKQ&t=107s&ab\_channel=DatascienceMonster**](https://www.youtube.com/watch?v=2x6tpDC5vKQ&t=107s&ab_channel=DatascienceMonster)

**Best Practices of creating prompts:**

[**https://www.youtube.com/watch?v=X6m-LvhIvJI&ab\_channel=DatascienceMonster**](https://www.youtube.com/watch?v=X6m-LvhIvJI&ab_channel=DatascienceMonster)

**Implicit and Explicit prompt:** [**https://www.youtube.com/watch?v=Xctariu28ZY&ab\_channel=DatascienceMonster**](https://www.youtube.com/watch?v=Xctariu28ZY&ab_channel=DatascienceMonster)

**Evolution of AI-Rule to generative based:** [**https://www.youtube.com/watch?v=7WUiSyVy9NU&ab\_channel=DatascienceMonster**](https://www.youtube.com/watch?v=7WUiSyVy9NU&ab_channel=DatascienceMonster)

**Autoencoders:** [**https://www.youtube.com/watch?v=OY6-2zMQB9Q&ab\_channel=DatascienceMonster**](https://www.youtube.com/watch?v=OY6-2zMQB9Q&ab_channel=DatascienceMonster)

**RAG Vs Self Rag:** [**https://www.youtube.com/watch?v=8uTUdCdnQ1w&t=6s&ab\_channel=DatascienceMonster**](https://www.youtube.com/watch?v=8uTUdCdnQ1w&t=6s&ab_channel=DatascienceMonster)

**Tableau:**

Introduction: <https://youtu.be/igBBA204CD0>

Connecting to Data Source: <https://youtu.be/1IYi7ORF5W4>

Data Types: <https://youtu.be/1IYi7ORF5W4>

Discrete and Continuous: <https://youtu.be/1IYi7ORF5W4>

Rows and Columns: <https://youtu.be/1IYi7ORF5W4>

Alias: <https://youtu.be/N68WbVH9kjo>

How to open csv file in sql: <https://www.youtube.com/watch?v=4RoDP_JEF-A&ab_channel=DatascienceMonster>

Hive:

Bigdata and Hive for Beginners Part 1:

<https://www.youtube.com/watch?v=LNSWGbmNTM0&t=7s&ab_channel=DatascienceMonster>

Bigdata and Hive for Beginners Part 2: <https://www.youtube.com/watch?v=aQTBtfxEeb0&ab_channel=DatascienceMonster>

Three ways to connect Hive: <https://www.youtube.com/watch?v=cXnKTQA1e6c&t=3s&ab_channel=DatascienceMonster>

Managed Table in Hive: <https://www.youtube.com/watch?v=G_TCtIMfd2I&ab_channel=DatascienceMonster>