Gamein
2021

Workshop
Data Story Telling in Business
Python + Google Data Studio

Lecturer:

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Aspiring Data Scientist
MSc. Industrial Engineering

Fall 2021 – Gamein Competition   Sharif University of Technology

❖ MY JOURNEY

MSc. Industrial Engineering, Tarbiat Modares University
Data Science Researcher especially in Intelligent Transportation Systems
Data Science Courses Instructor in Iranian top-notch Universities
Data Scientist at Snapp! Food
Data Science Consultant in Industries: Healthcare, Supply Chain, Maintenance
Marketing Data Analyst at Pasargad Insurance Co.

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Data Analysis Importance

Data analysis can help businesses improve specific aspects about their products and services, as well as their overall brand image and customer experience.

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Data Analysis Steps

Data Analysis Steps

Define Your Questions

Set Clear Measurement Priorities

Collect Data

Analyze Data

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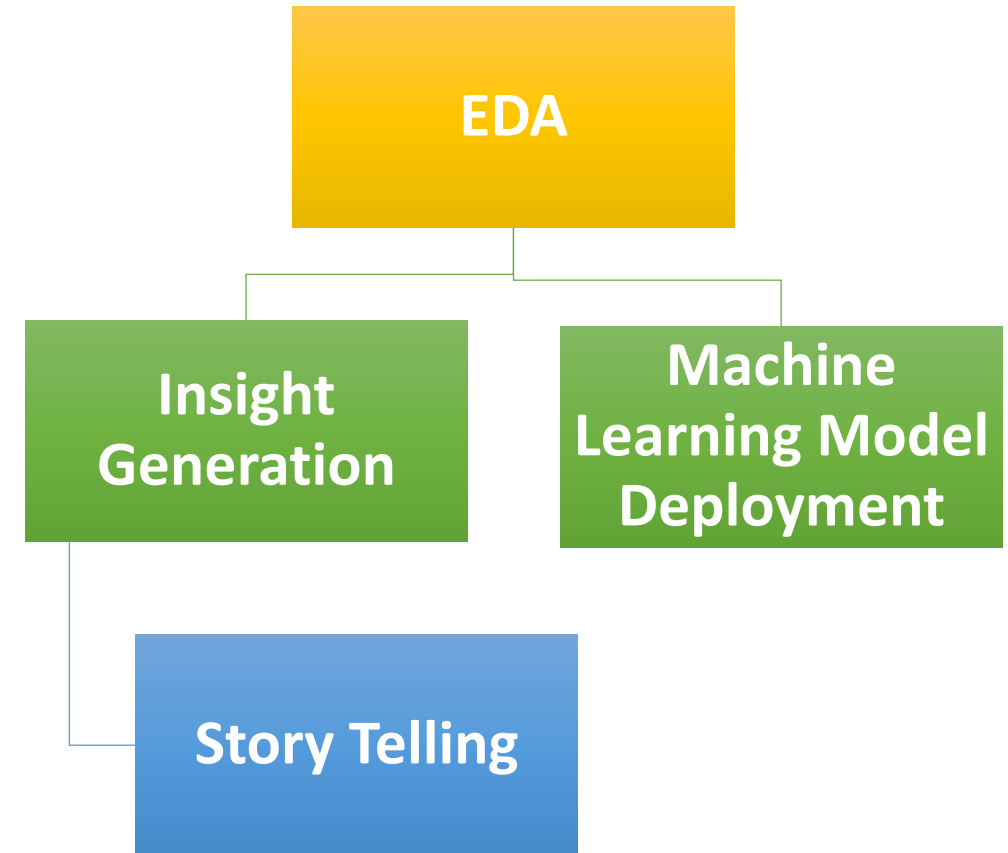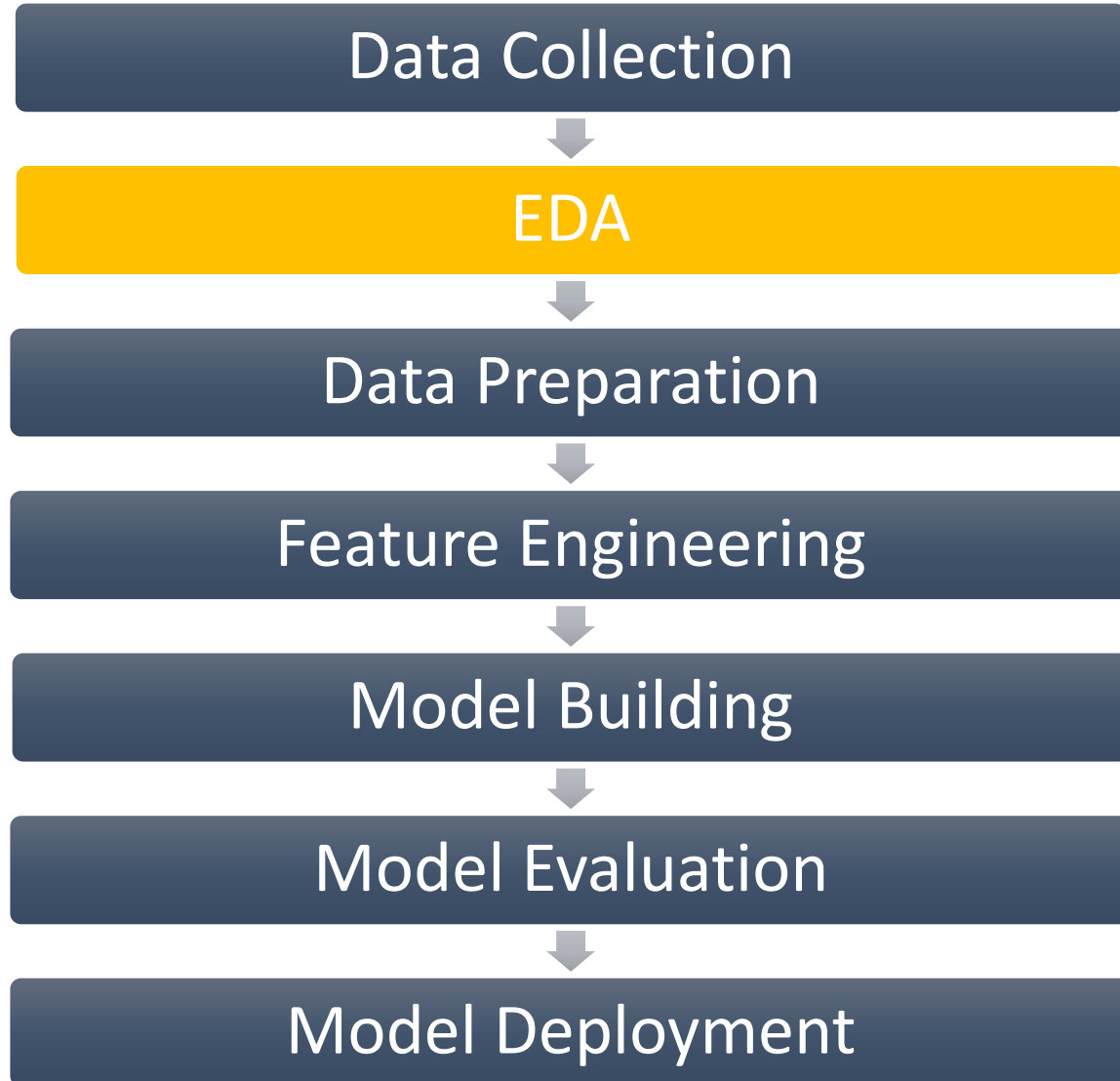2021

What is Exploratory Data Analysis (EDA)?

Data Collection

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EDA

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Data Preparation

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Feature Engineering

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Model Building

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Model Evaluation

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Model Deployment

EDA

Insight Generation

Machine Learning Model Deployment

Story Telling

Table Analysis

Type	Machine failure	Air temperature [K]	Process temperature [K]	Rotational speed [rpm]	Torque [Nm]	Tool wear [min]
H	0	299.839511	309.917413	1540.195519	39.602240	106.639511
	1	301.152381	310.314286	1442.380952	50.876190	143.904762
L	0	299.985637	310.002671	1541.795143	39.556826	106.727493
	1	300.756596	310.248511	1482.408511	50.785106	148.889362
M	0	299.996294	310.007859	1537.244681	39.782979	106.645161
	1	301.186747	310.402410	1550.036145	48.242169	129.289157

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EDA Sections
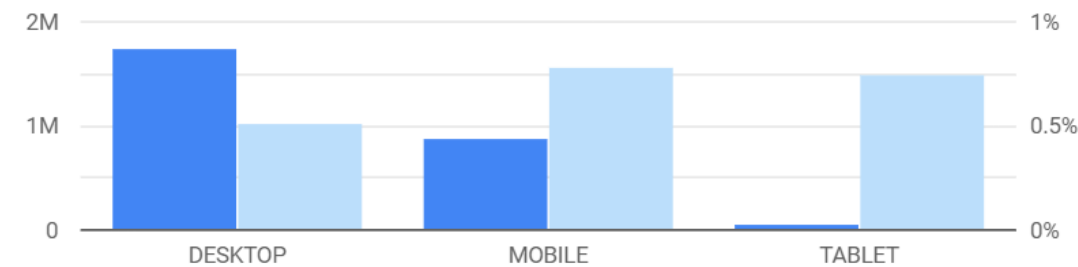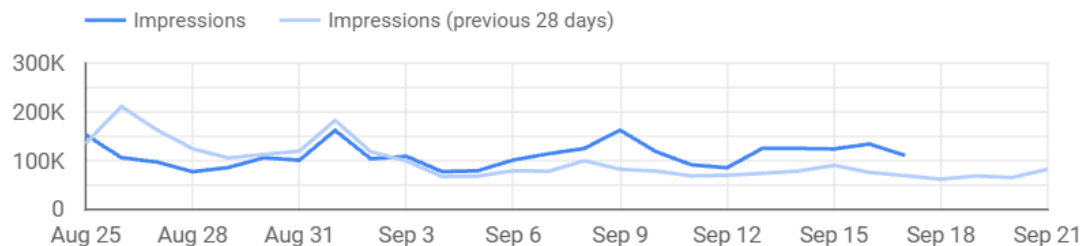
Conclusion and Questions?

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THANK YOU!

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