

colab.research.google.com/drive/Te7q3hhSe3VSN8lTpeyTlTVat4oYi7Px#scrollTo=9GfBihqyLs9G

Road safety

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Choose Files No file chosen

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Saving AI_Traffic_Accident_Prediction.csv to AI_Traffic_Accident_Prediction.csv

Data Summary:

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 50 entries, 0 to 49

Data columns (total 17 columns):

#	Column	Non-Null Count	Dtype
0	Accident_ID	50 non-null	object
1	Date	50 non-null	object
2	Time	50 non-null	object
3	Location	50 non-null	object
4	Weather_Condition	50 non-null	object
5	Road_Condition	50 non-null	object
6	Light_Condition	50 non-null	object
7	Vehicle_Count	50 non-null	int64
8	Pedestrian_Involved	50 non-null	object
9	Fatalities	50 non-null	int64
10	Injuries	50 non-null	int64
11	Speed_Limit	50 non-null	int64
12	Driver_Age	50 non-null	int64
13	Driver_Gender	50 non-null	object
14	Violation	50 non-null	object
15	Accident_Severity	50 non-null	object
16	Predicted_Severity	50 non-null	object

dtypes: int64(5), object(12)

memory usage: 6.8+ KB

None

Start 5 seconds

Variables

Terminal

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None

First 5 Records:

	Accident_ID	Date	Time	Location	Weather_Condition	\
0	AID0001	2023-12-15	11:52:15	Chennai	Rainy	\
1	AID0002	2023-06-02	11:53:03	Salem	Clear	
2	AID0003	2023-11-12	16:58:32	Coimbatore	Snow	
3	AID0004	2023-06-07	20:07:43	Trichy	Fog	
4	AID0005	2023-06-15	13:02:06	Madurai	Snow	

	Road_Condition	Light_Condition	Vehicle_Count	Pedestrian_Involved	\
0	Wet	Daylight	4	Yes	
1	Dry	Daylight	5	No	
2	Dry	Daylight	2	Yes	
3	Icy	Night - Dark	3	No	
4	Wet	Daylight	1	No	

	Fatalities	Injuries	Speed_Limit	Driver_Age	Driver_Gender	Violation	\
0	2	2	60	39	Male	Yes	
1	2	2	70	36	Male	No	
2	3	3	50	33	Female	Yes	
3	2	0	30	37	Female	No	
4	0	0	60	27	Male	No	

	Accident_Severity	Predicted_Severity
0	Fatal	Minor
1	Severe	Fatal
2	Fatal	Severe
3	Severe	Minor

Variables Terminal

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	Accident_Severity	Predicted_Severity
0	Fatal	Minor
1	Severe	Fatal
2	Fatal	Severe
3	Severe	Minor
4	Fatal	Fatal

Missing Values per Column:

Accident_ID	0
Date	0
Time	0
Location	0
Weather_Condition	0
Road_Condition	0
Light_Condition	0
Vehicle_Count	0
Pedestrian_Involved	0
Fatalities	0
Injuries	0
Speed_Limit	0
Driver_Age	0
Driver_Gender	0
Violation	0
Accident_Severity	0
Predicted_Severity	0

dtype: int64

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