

	State Name	City Name	Year	Month	Day of Week	Time of Day	\
0	Jammu and Kashmir		Unknown	2021	May	Monday	1:46
1	Uttar Pradesh	Lucknow		2018	January	Wednesday	21:30
2	Chhattisgarh		Unknown	2023	May	Wednesday	5:37
3	Uttar Pradesh	Lucknow		2020	June	Saturday	0:31
4	Sikkim		Unknown	2021	August	Thursday	11:21

  

	Accident Severity	Number of Vehicles Involved	Vehicle Type Involved	\
0	Serious		5	Cycle
1	Minor		5	Truck
2	Minor		5	Pedestrian
3	Minor		3	Bus
4	Minor		5	Cycle

  

	Number of Casualties	...	Road Type	Road Condition	\
0	0	...	National Highway	Wet	
1	5	...	Urban Road	Dry	
2	6	...	National Highway	Under Construction	
3	10	...	State Highway	Dry	
4	7	...	Urban Road	Wet	

  

	Lighting Conditions	Traffic Control Presence	Speed Limit (km/h)	Driver Age	\
0	Dark	Signs	61	66	
1	Dusk	Signs	92	60	
2	Dawn	Signs	120	26	
3	Dark	Signals	76	34	
4	Dusk	Signs	115	30	

  

	Driver Gender	Driver License Status	Alcohol Involvement	\
0	Male	NaN	Yes	
1	Male	NaN	Yes	
2	Female	NaN	No	
3	Female	Valid	Yes	
4	Male	NaN	No	

  

	Accident Location Details
0	Curve
1	Straight Road
2	Bridge
3	Straight Road
4	Intersection

[5 rows x 22 columns]

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

RangeIndex: 3000 entries, 0 to 2999

Data columns (total 22 columns):

#	Column	Non-Null Count	Dtype
0	State Name	3000 non-null	object
1	City Name	3000 non-null	object
2	Year	3000 non-null	int64
3	Month	3000 non-null	object
4	Day of Week	3000 non-null	object
5	Time of Day	3000 non-null	object
6	Accident Severity	3000 non-null	object
7	Number of Vehicles Involved	3000 non-null	int64

8	Vehicle Type Involved	3000	non-null	object
9	Number of Casualties	3000	non-null	int64
10	Number of Fatalities	3000	non-null	int64
11	Weather Conditions	3000	non-null	object
12	Road Type	3000	non-null	object
13	Road Condition	3000	non-null	object
14	Lighting Conditions	3000	non-null	object
15	Traffic Control Presence	2284	non-null	object
16	Speed Limit (km/h)	3000	non-null	int64
17	Driver Age	3000	non-null	int64
18	Driver Gender	3000	non-null	object
19	Driver License Status	2025	non-null	object
20	Alcohol Involvement	3000	non-null	object
21	Accident Location Details	3000	non-null	object

dtypes: int64(6), object(16)  
memory usage: 515.8+ KB  
None  
Accuracy: 0.329073482428115

Classification Report:

	precision	recall	f1-score	support
0	0.43	0.35	0.39	120
1	0.32	0.40	0.35	93
2	0.24	0.24	0.24	100
accuracy			0.33	313
macro avg	0.33	0.33	0.33	313
weighted avg	0.34	0.33	0.33	313

Confusion Matrix:

```
[[42 34 44]
 [26 37 30]
 [30 46 24]]
```

