

In [5]: `import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns`

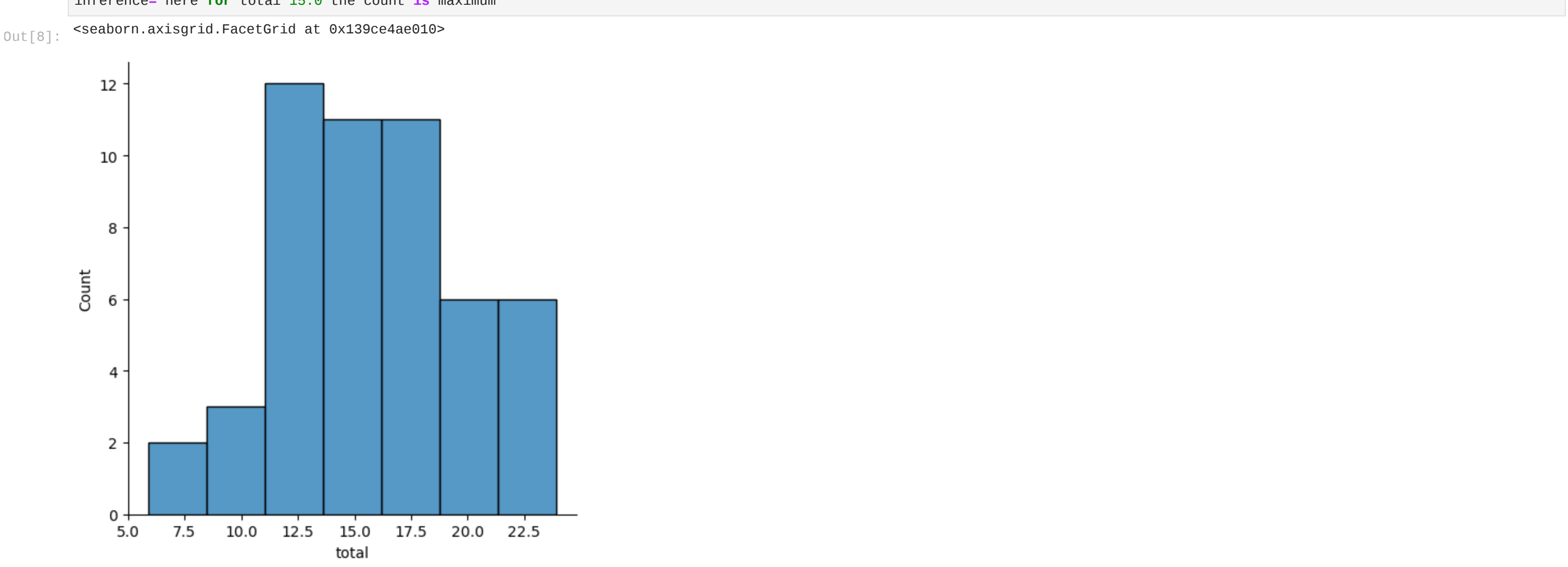
In [6]: `dataset=pd.read_csv("C://Users//Chetan 696//Downloads//car_crashes.csv")`

In [7]: `dataset.head()`

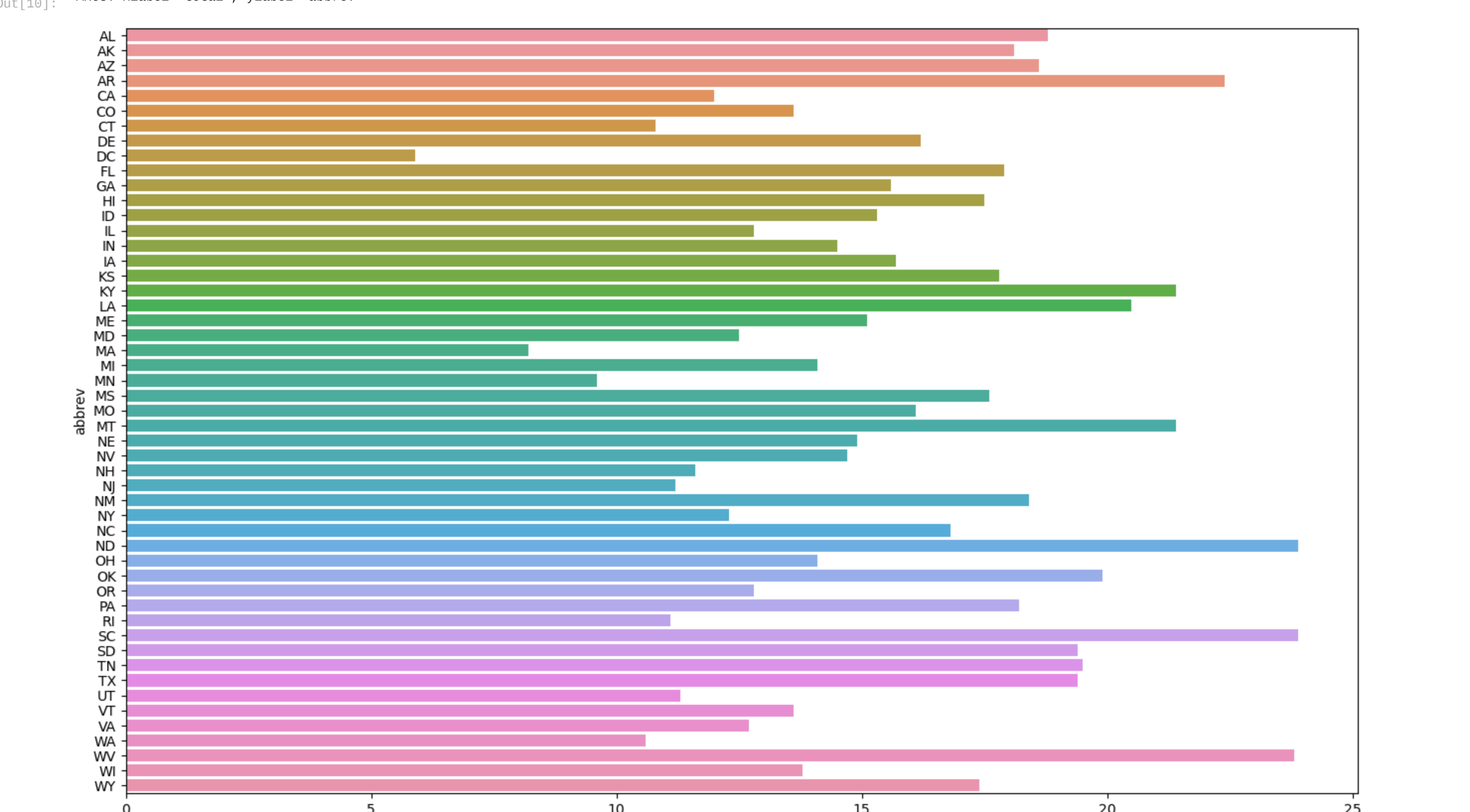
Out[7]:

	total	speeding	alcohol	not_distracted	no_previous	ins_premium	ins_losses	abbrev
0	18.8	7.332	5.640	18.048	15.040	784.55	145.08	AL
1	18.1	7.421	4.525	16.290	17.014	1053.48	133.93	AK
2	18.6	6.510	5.208	15.624	17.856	899.47	110.35	AZ
3	22.4	4.032	5.824	21.056	21.280	827.34	142.39	AR
4	12.0	4.200	3.360	10.920	10.680	878.41	165.63	CA

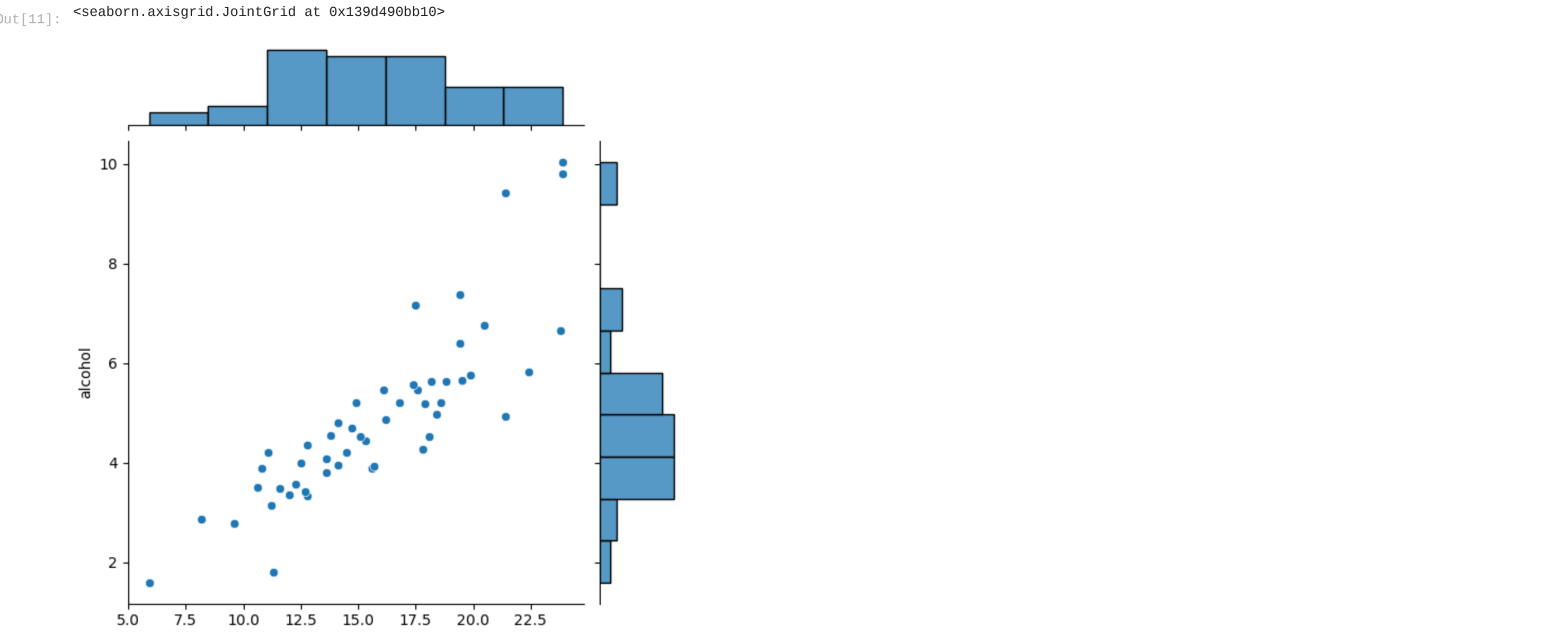
In [8]: `sns.displot(dataset['total'])`  
inference= here for total 15.0 the count is maximum



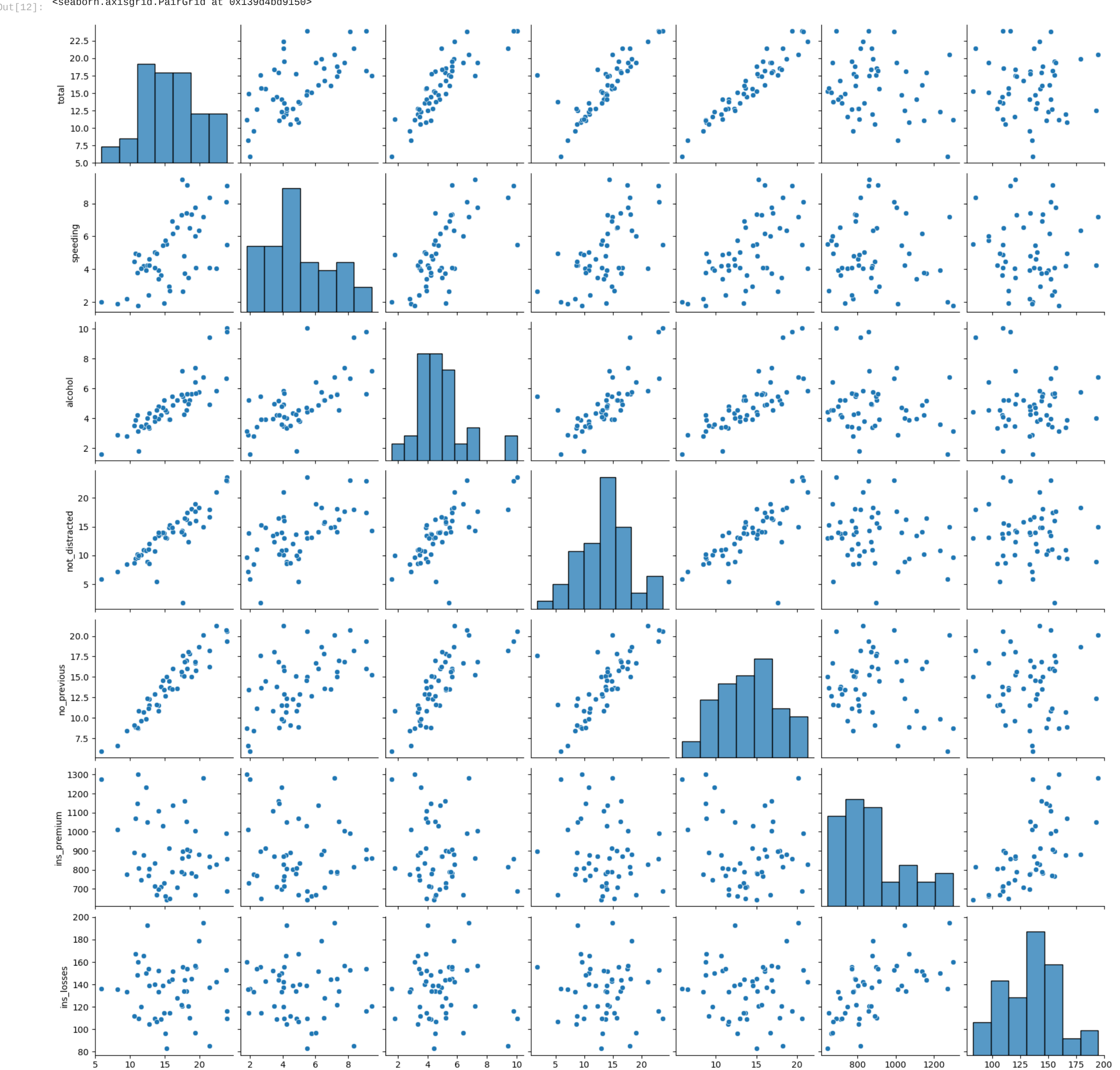
In [10]: `plt.subplots(figsize=(10,10))
sns.barplot(x='total', y='abbrev', data=dataset, orient='h')
inference=for ND,SC,WV abbreviations total is very high and equal`



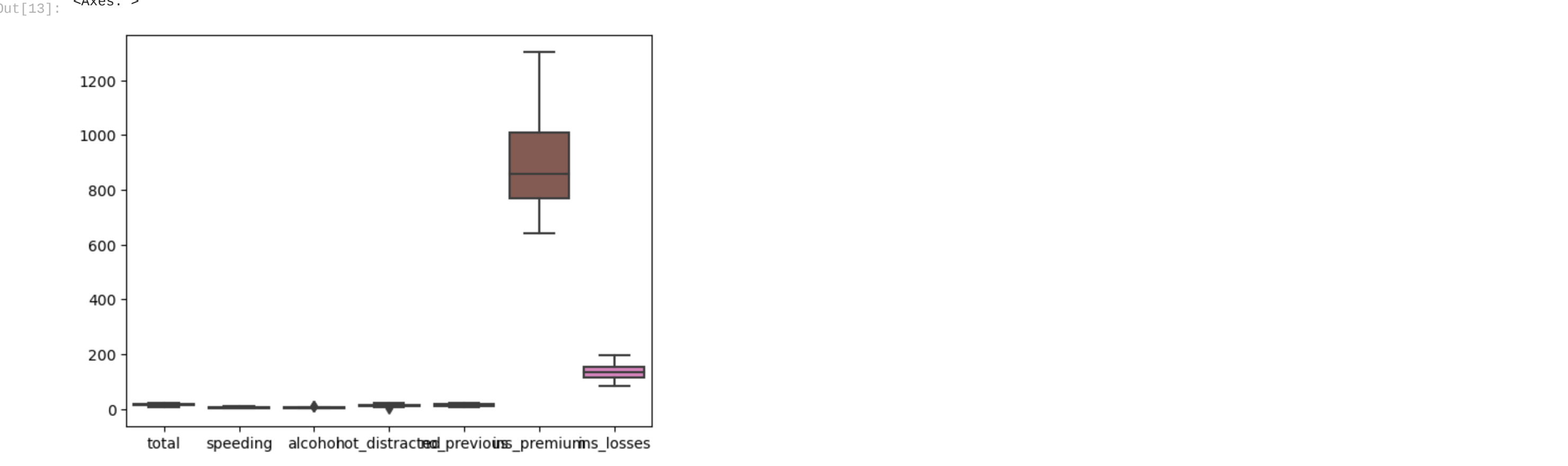
In [11]: `sns.jointplot(x='total', y='alcohol', data=dataset)`  
inference=here we observe that alcohol consumption is raising as total increasing



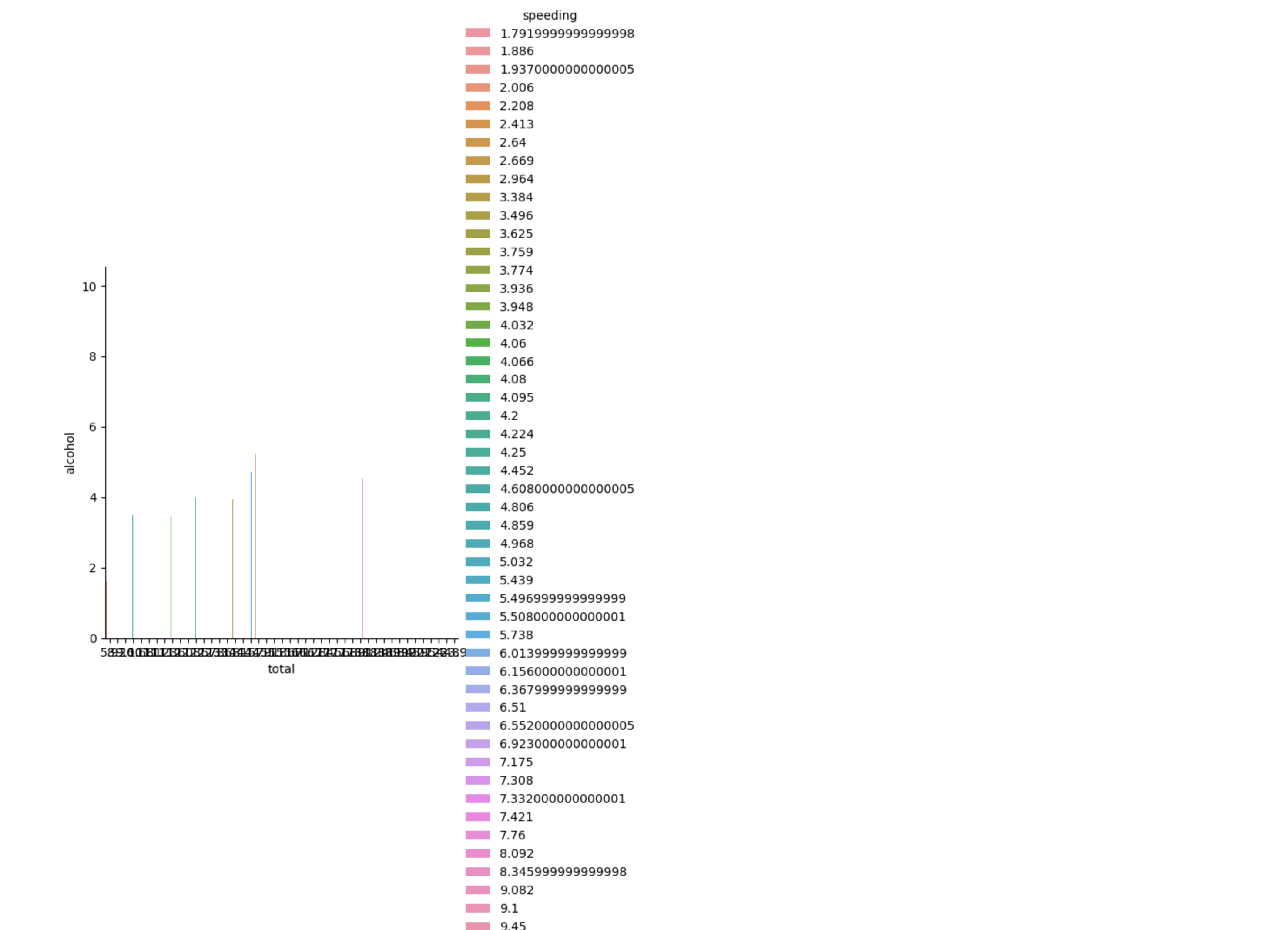
In [12]: `sns.pairplot(dataset)`  
inference=we can observe different parameters having up down increase of total,speeding,alcohol,not distracted,no previous,ins\_premium,ins\_losses



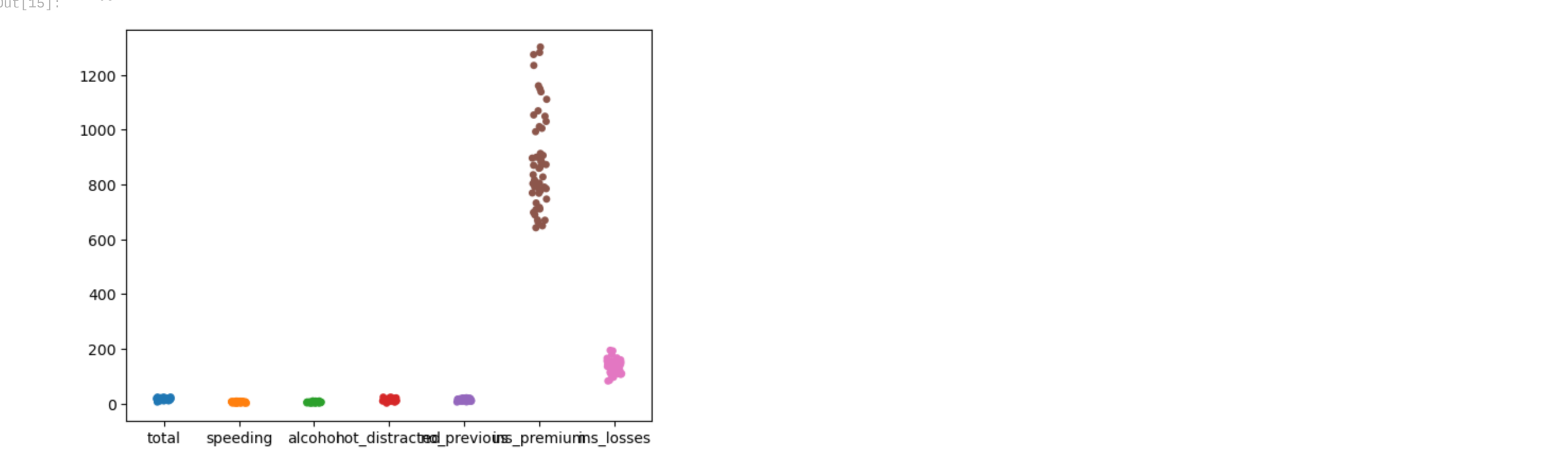
In [13]: `sns.boxplot(dataset)`  
inference=there is a big outlier for ins\_premium



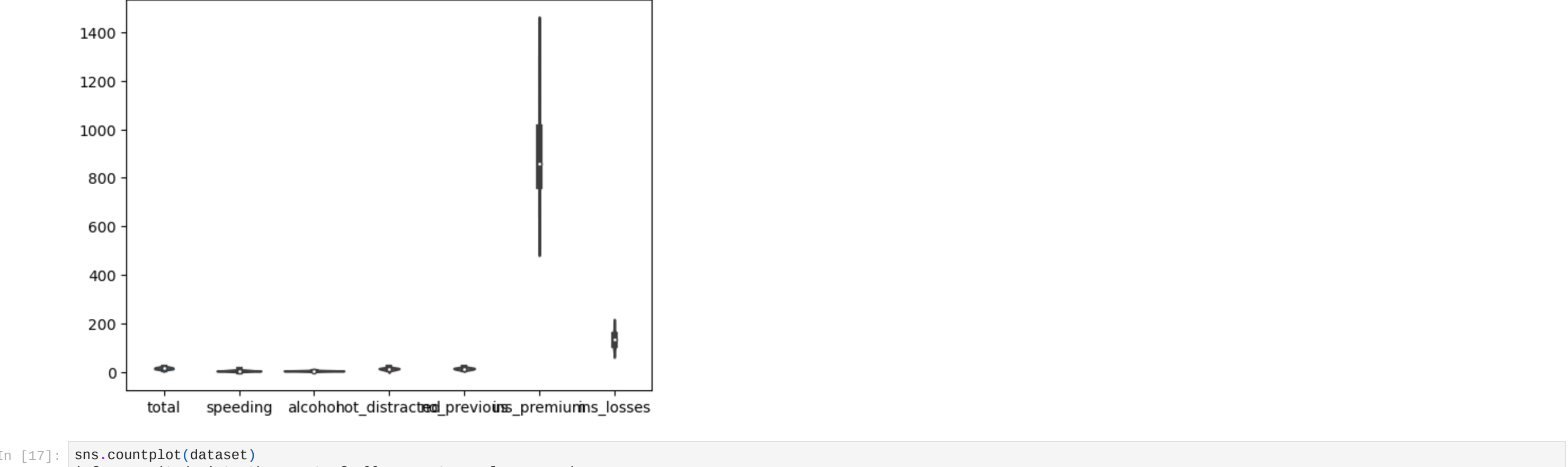
In [14]: `sns.catplot(data=dataset, kind='bar', x='total', y='alcohol', hue='speeding')`  
inference : the plot went from 1 to 9 but alcohol consumption became low to up and up to down



In [15]: `sns.stripplot(dataset)`  
inference : the ins\_premium total is high of car crashes



In [16]: `sns.violinplot(dataset)`  
inference : the data gets shrinked here in this plot-reference and for ins\_premium it went high



In [17]: `sns.countplot(dataset)`  
inference=it depicts the count of all parameters of car crashes



In [18]: `sns.pointplot(dataset)`  
inference=as depicted in the dataset the ins\_premiums has more no of carcrashes.



In [ ]: