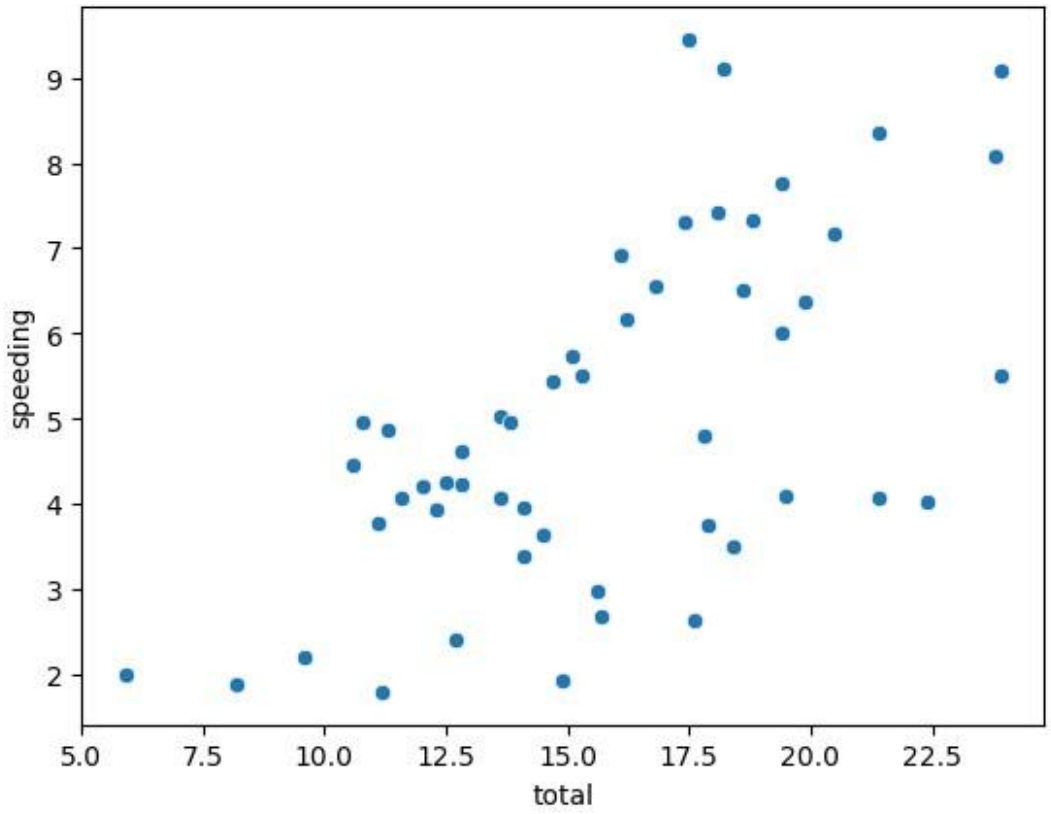
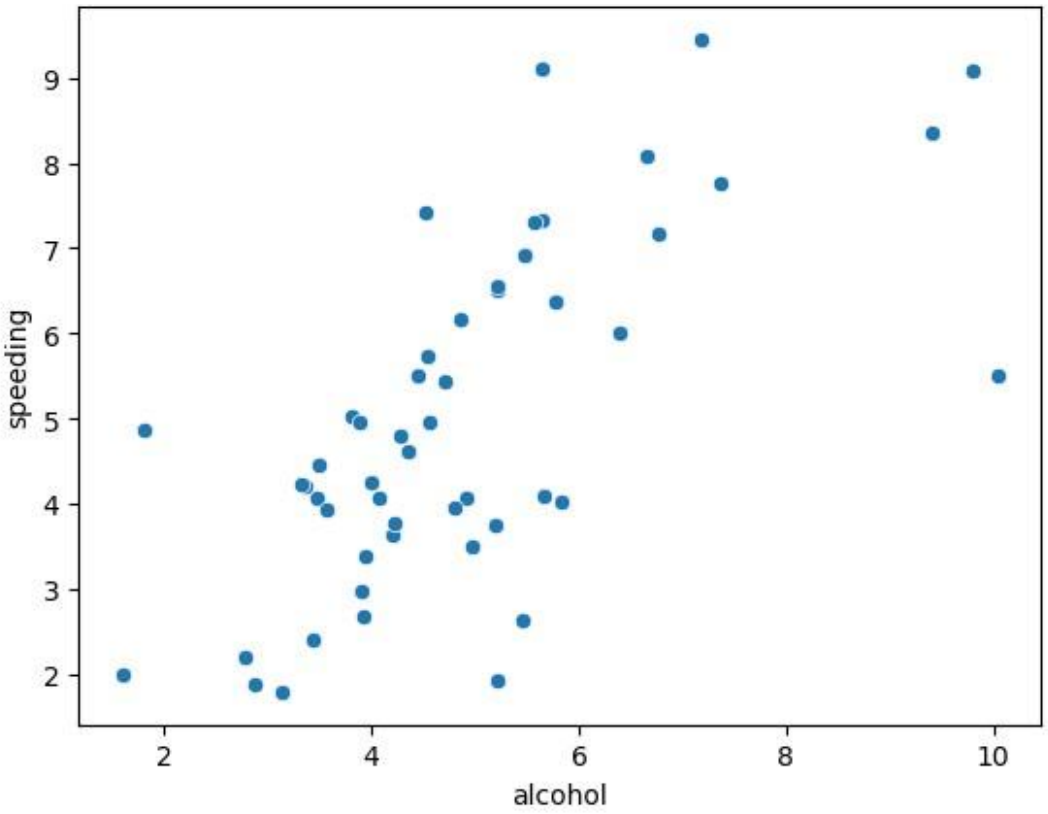
```
import numpy as np import
pandas as pd import seaborn as
sns import matplotlib.pyplot as
plt

data = pd.read_csv('car_crashes.csv')
d
   total  speeding  alcohol  not_distracted  no_previous  ins_premium


    18.8     7.332    5.640          18.048       15.040       784.55


\
0

1   18.1     7.421    4.525          16.290       17.014      1053.48

2   18.6     6.510    5.208          15.624       17.856       899.47

3   22.4     4.032    5.824          21.056       21.280       827.34
4   12.0     4.200    3.360          10.920       10.680       878.41
   ins_losses abbrev
0      145.08     AL
1      133.93     AK
2      110.35     AZ
3      142.39     AR
4      165.63     CA
d
    total  speeding  alcohol  not_distracted  no_previous  ins_premium


46   12.7     2.413    3.429          11.049       11.176       768.95


\


47   10.6     4.452    3.498           8.692        9.116       890.03
48   23.8     8.092    6.664          23.086       20.706       992.61
49   13.8     4.968    4.554           5.382       11.592       670.31
50   17.4     7.308    5.568          14.094       15.660       791.14
    ins_losses abbrev
46      153.72     VA
47      111.62     WA
48      152.56     WV
49      106.62     WI
50      122.04     WY
sns.scatterplot(x="total",y="speeding",data=data)
```

```
<AxesSubplot:xlabel='total', ylabel='speeding'>
```



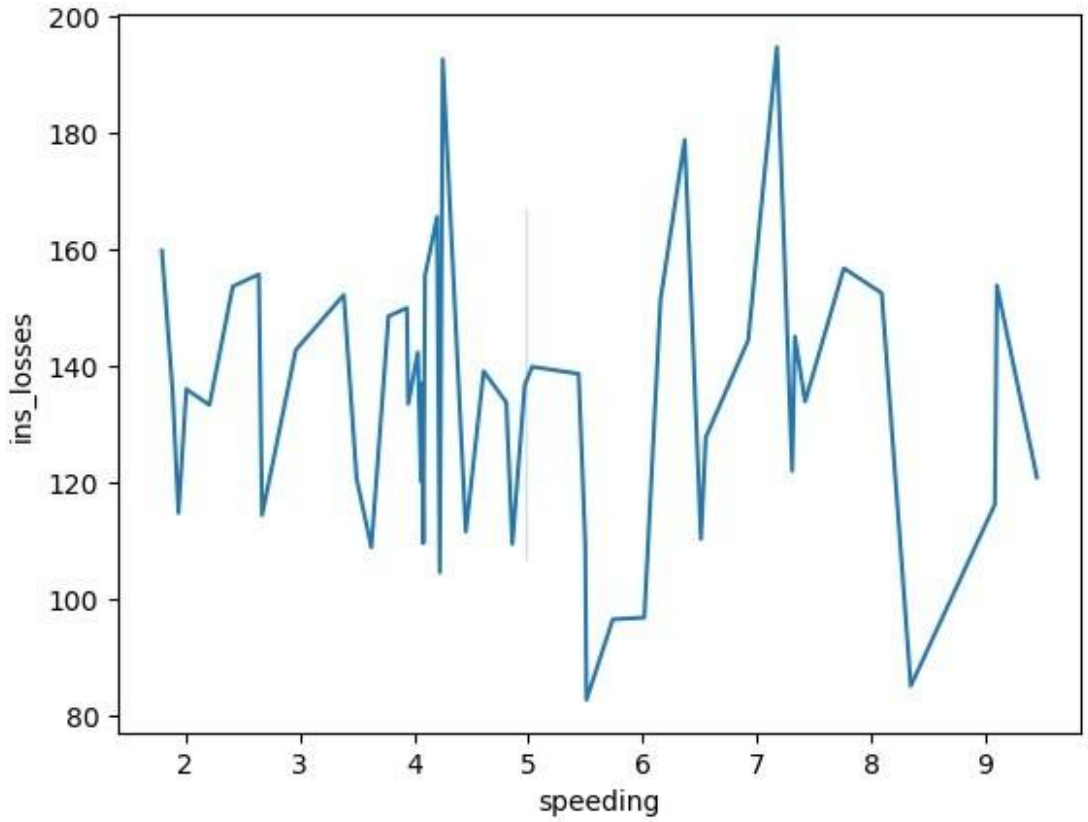

```
sns.scatterplot(x="alcohol",y="speeding",data=data)
```

```
<AxesSubplot:xlabel='alcohol', ylabel='speeding'>
```



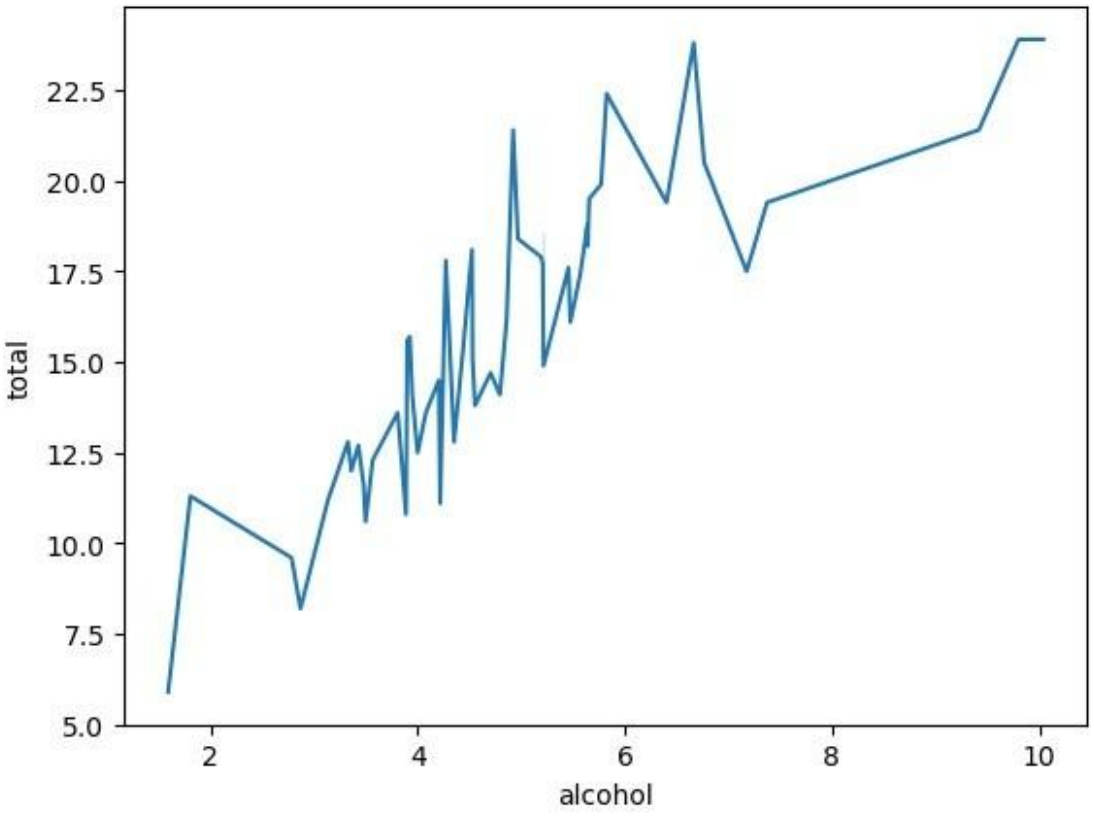

```
sns.lineplot(x="speeding",y="ins_losses",data=data)
```

```
<AxesSubplot:xlabel='speeding', ylabel='ins_losses'>
```



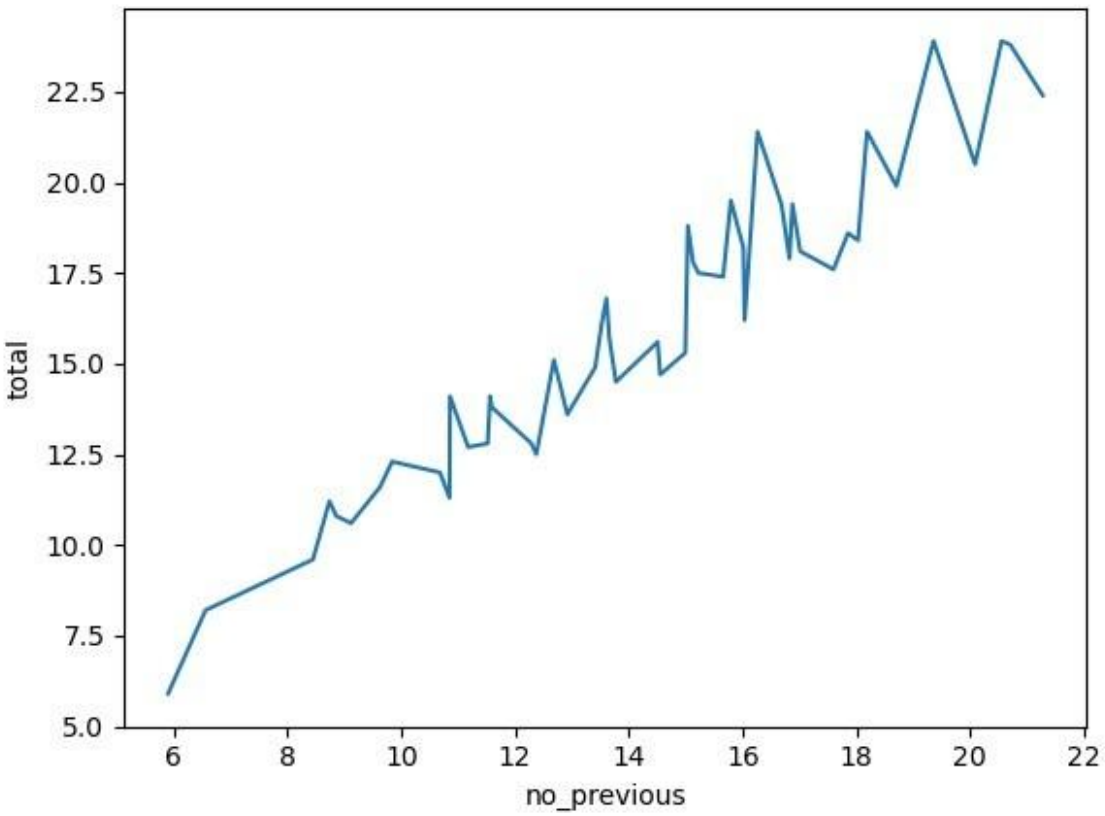

```
sns.lineplot(x="alcohol",y="total",data=data)
```

```
<AxesSubplot:xlabel='alcohol', ylabel='total'>
```



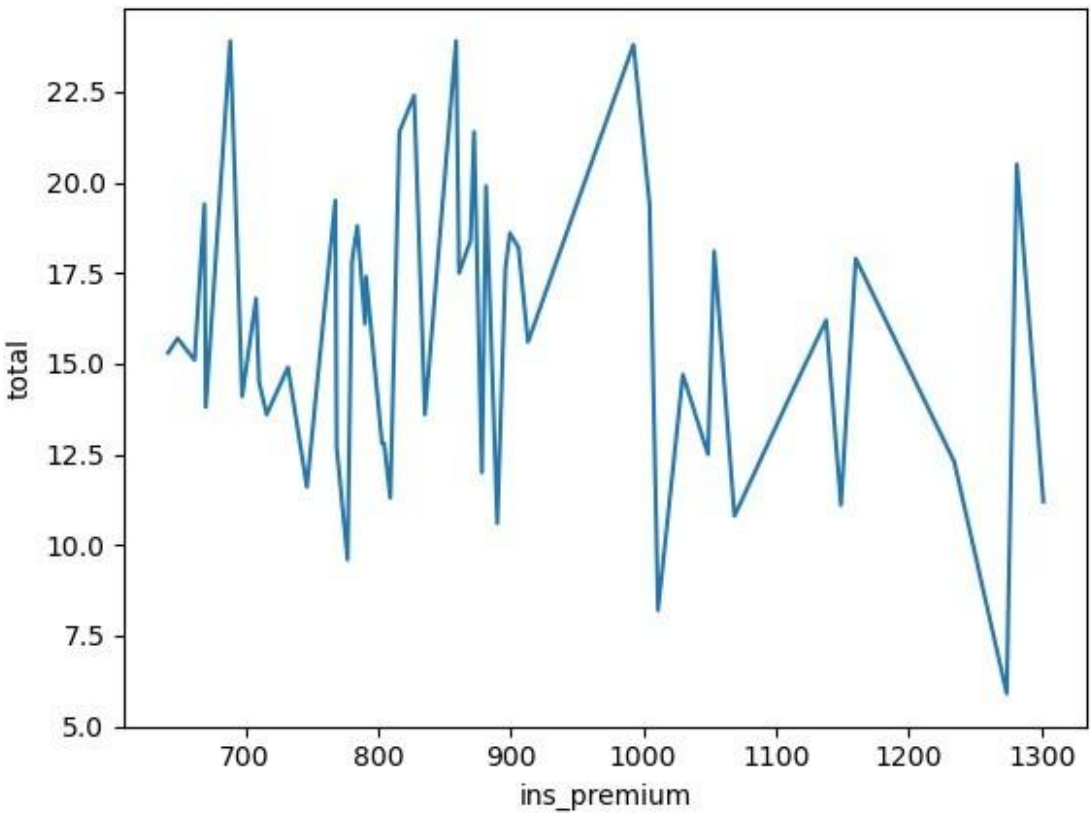

```
sns.lineplot(x="no_previous",y="total",data=data)
```

```
<AxesSubplot:xlabel='no_previous', ylabel='total'>
```



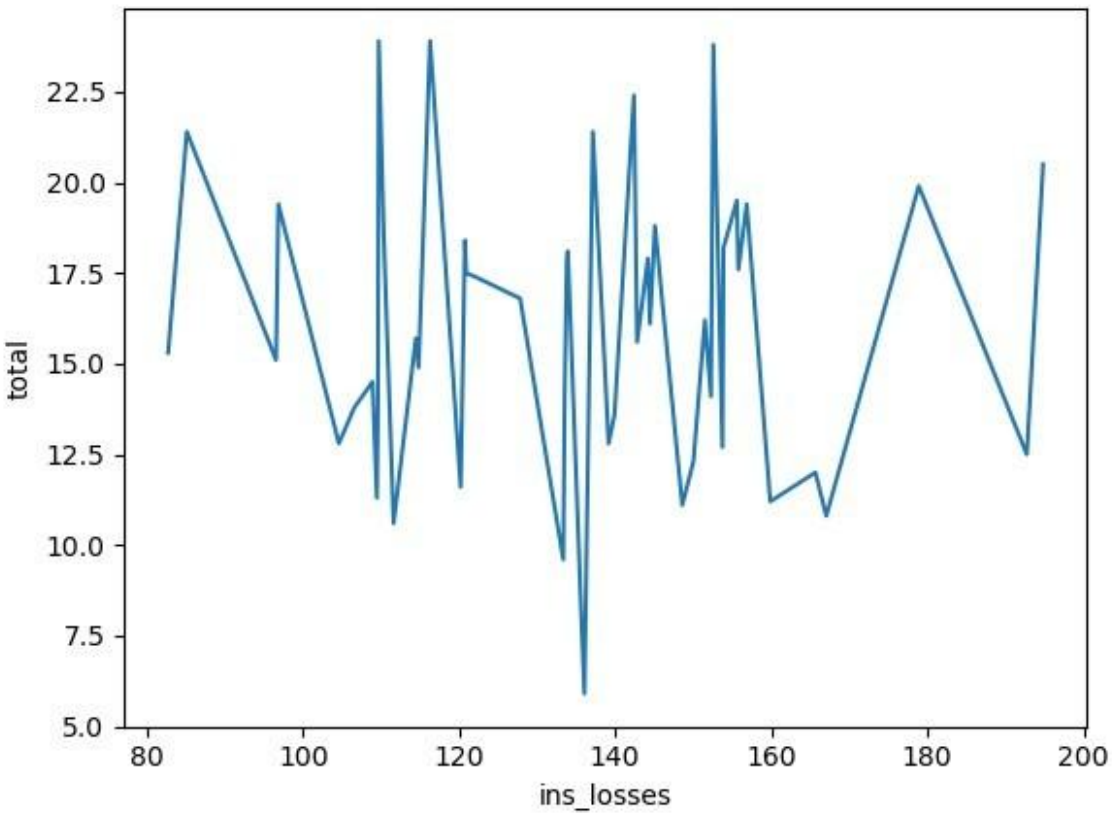

```
sns.lineplot(x="ins_premium",y="total",data=data)
```

```
<AxesSubplot:xlabel='ins_premium', ylabel='total'>
```

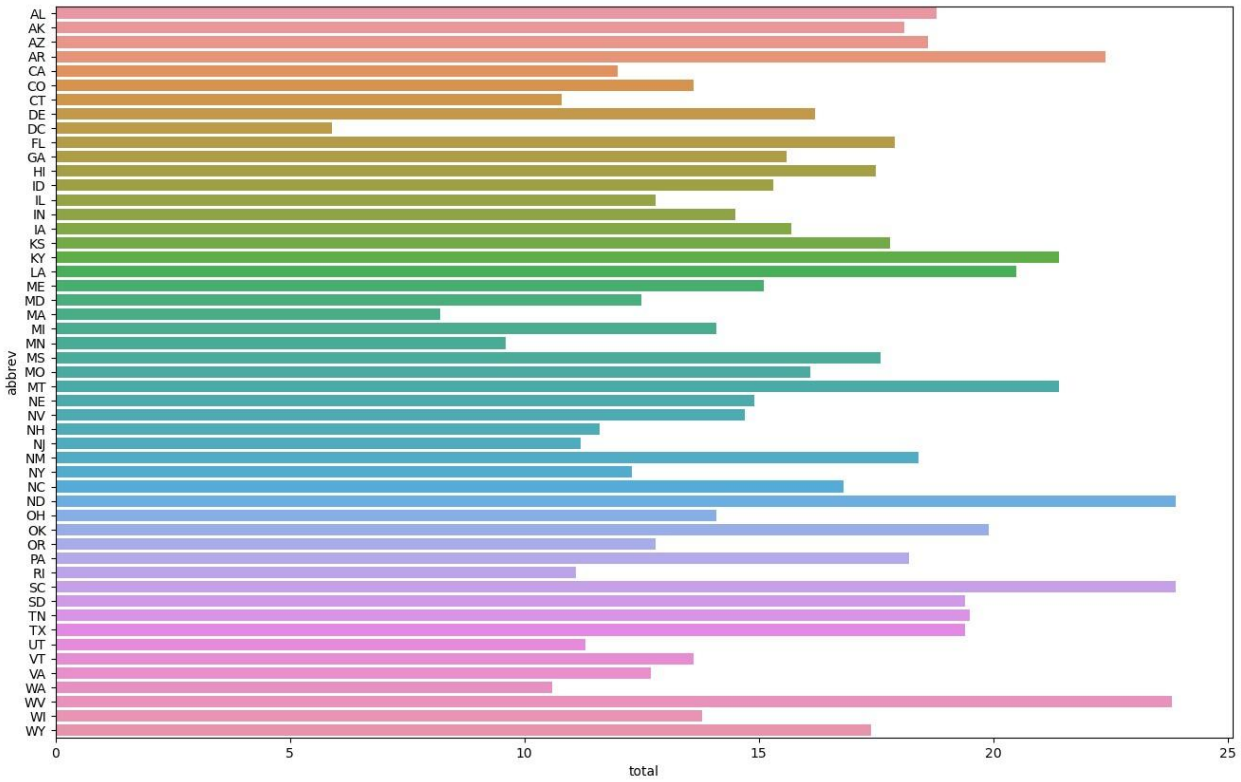



```
sns.lineplot(x="ins_losses",y="total",data=data)
```

```
<AxesSubplot:xlabel='ins_losses', ylabel='total'>
```



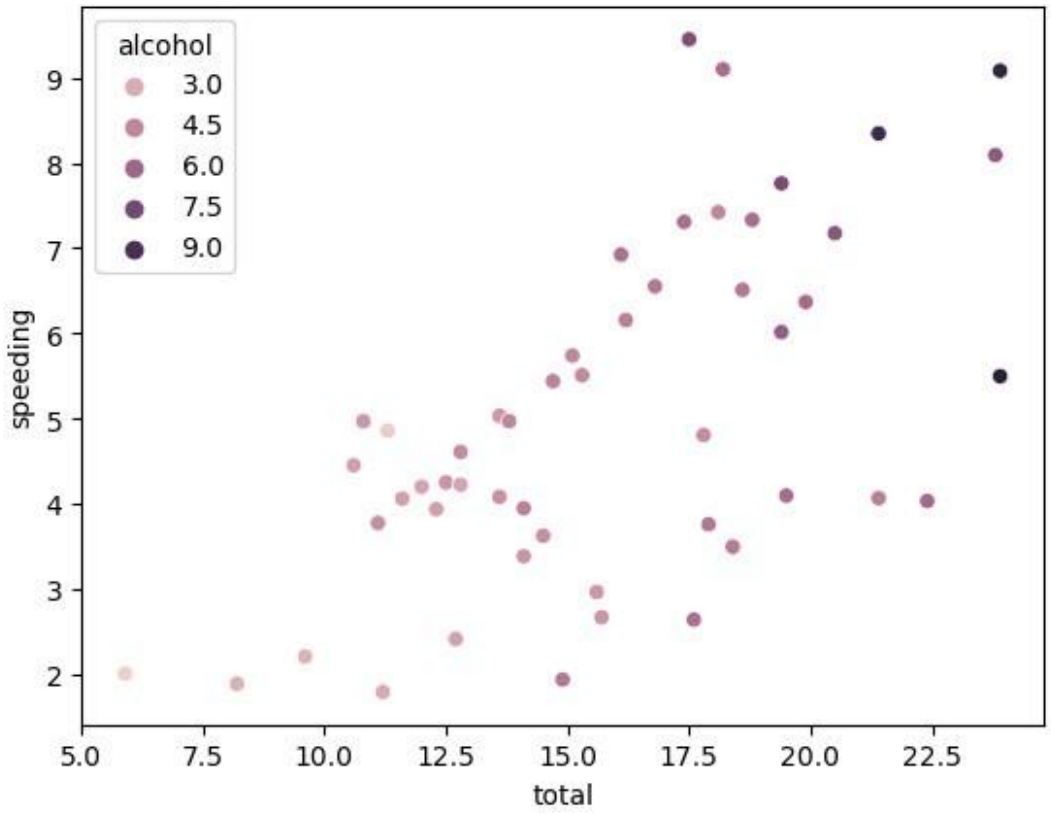

```
plt.subplots(figsize=(16,10))
sns.barplot(data=data,x="total",y="abbrev")
```




```
<AxesSubplot:xlabel='total', ylabel='abbrev'>
```

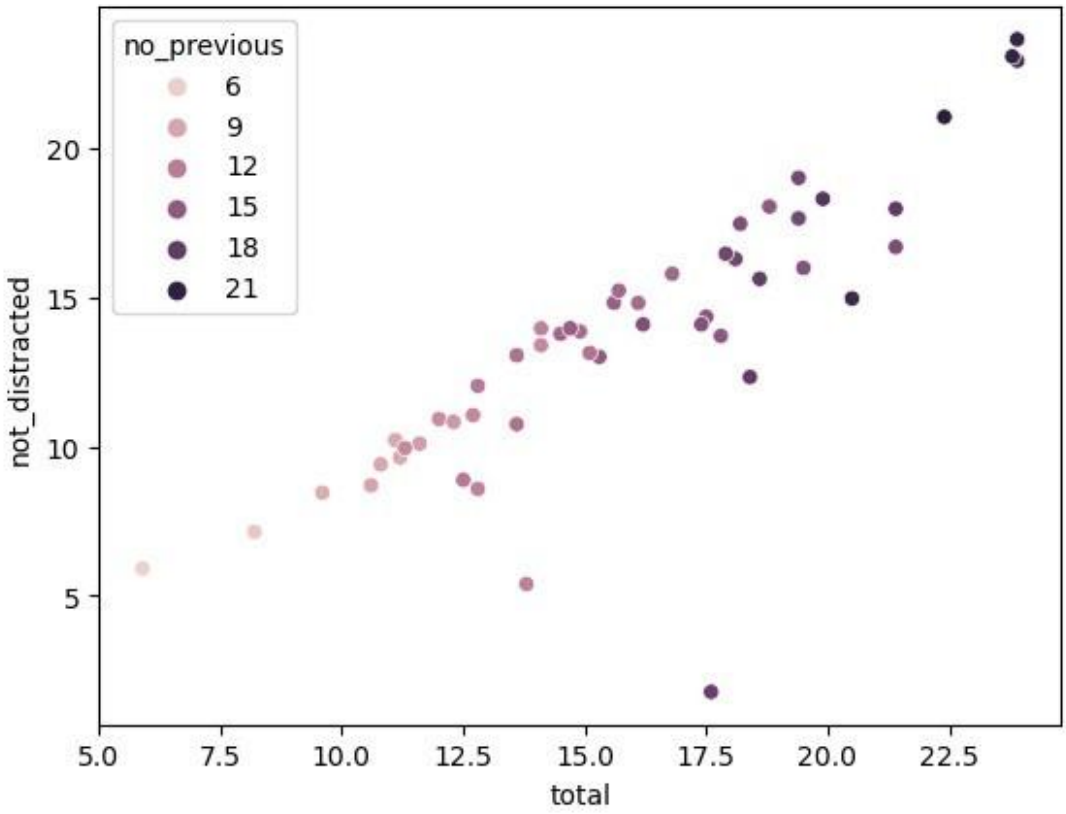
```
sns.scatterplot(x="total",y="speeding",data=data,hue="alcohol")
```

```
<AxesSubplot:xlabel='total', ylabel='speeding'>
```



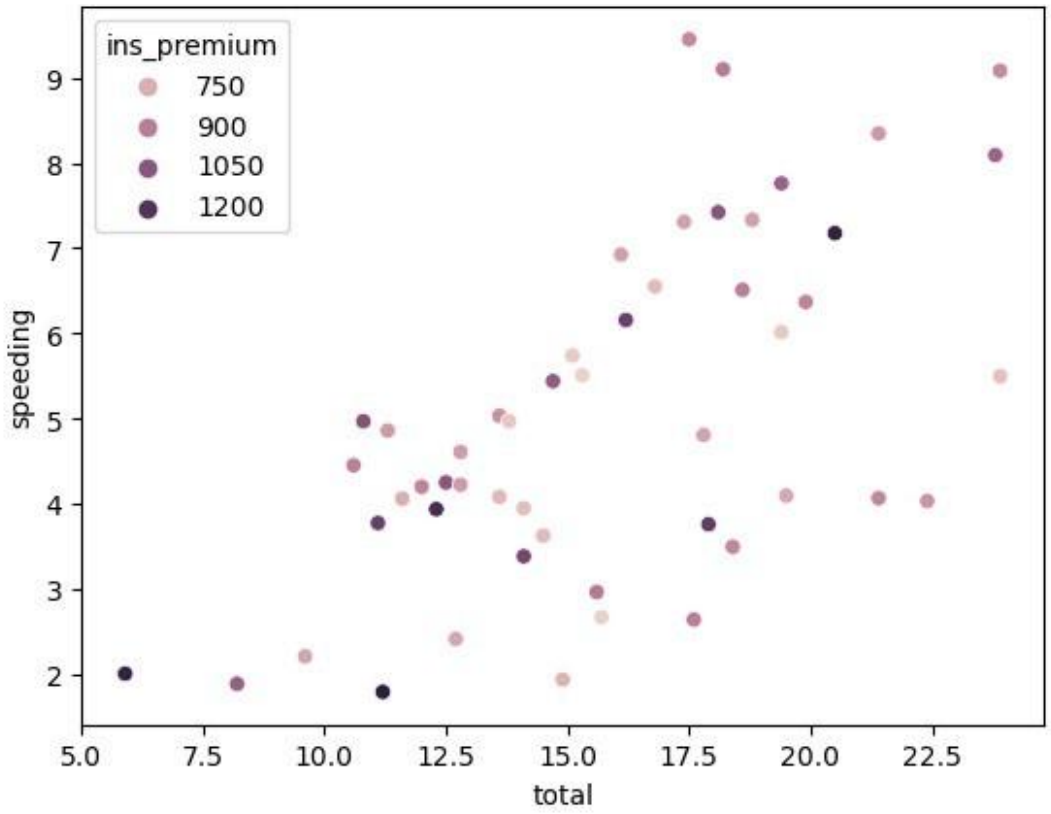

```
sns.scatterplot(x="total",y="not_distracted",data=data,hue="no_previous")
```

```
<AxesSubplot:xlabel='total', ylabel='not_distracted'>
```



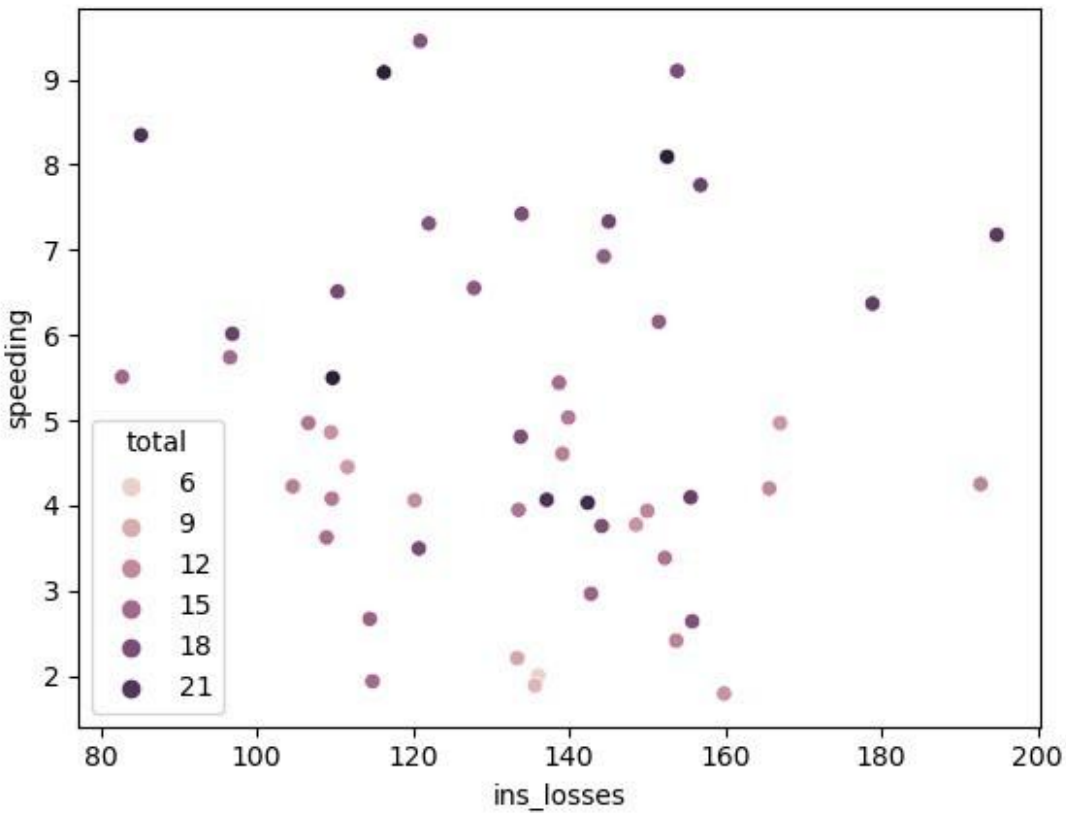

```
sns.scatterplot(x="total",y="speeding",data=data,hue="ins_premium")
```

```
<AxesSubplot:xlabel='total', ylabel='speeding'>
```



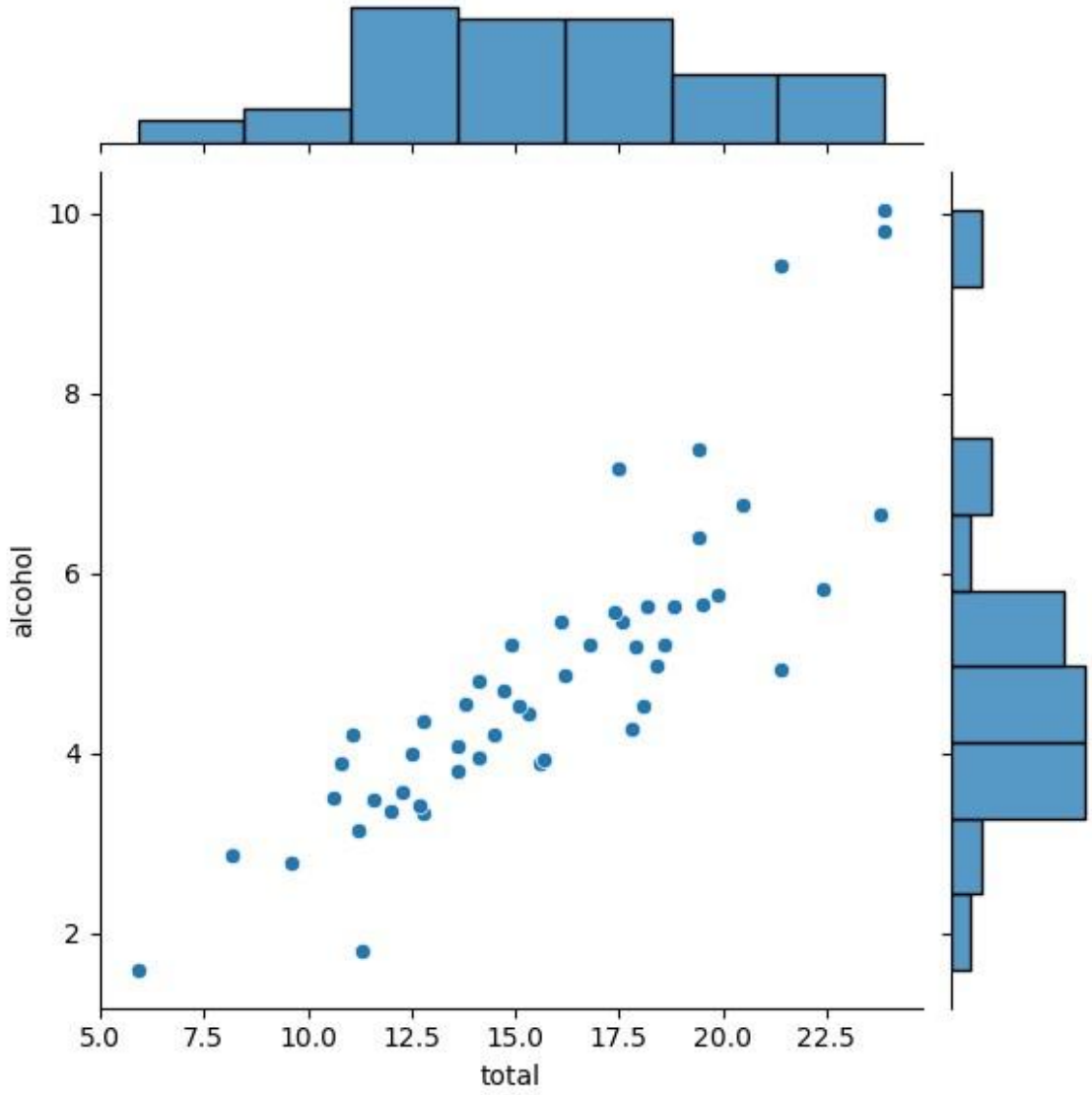

```
sns.scatterplot(x="ins_losses",y="speeding",data=data,hue="total")
```

```
<AxesSubplot:xlabel='ins_losses', ylabel='speeding'>
```



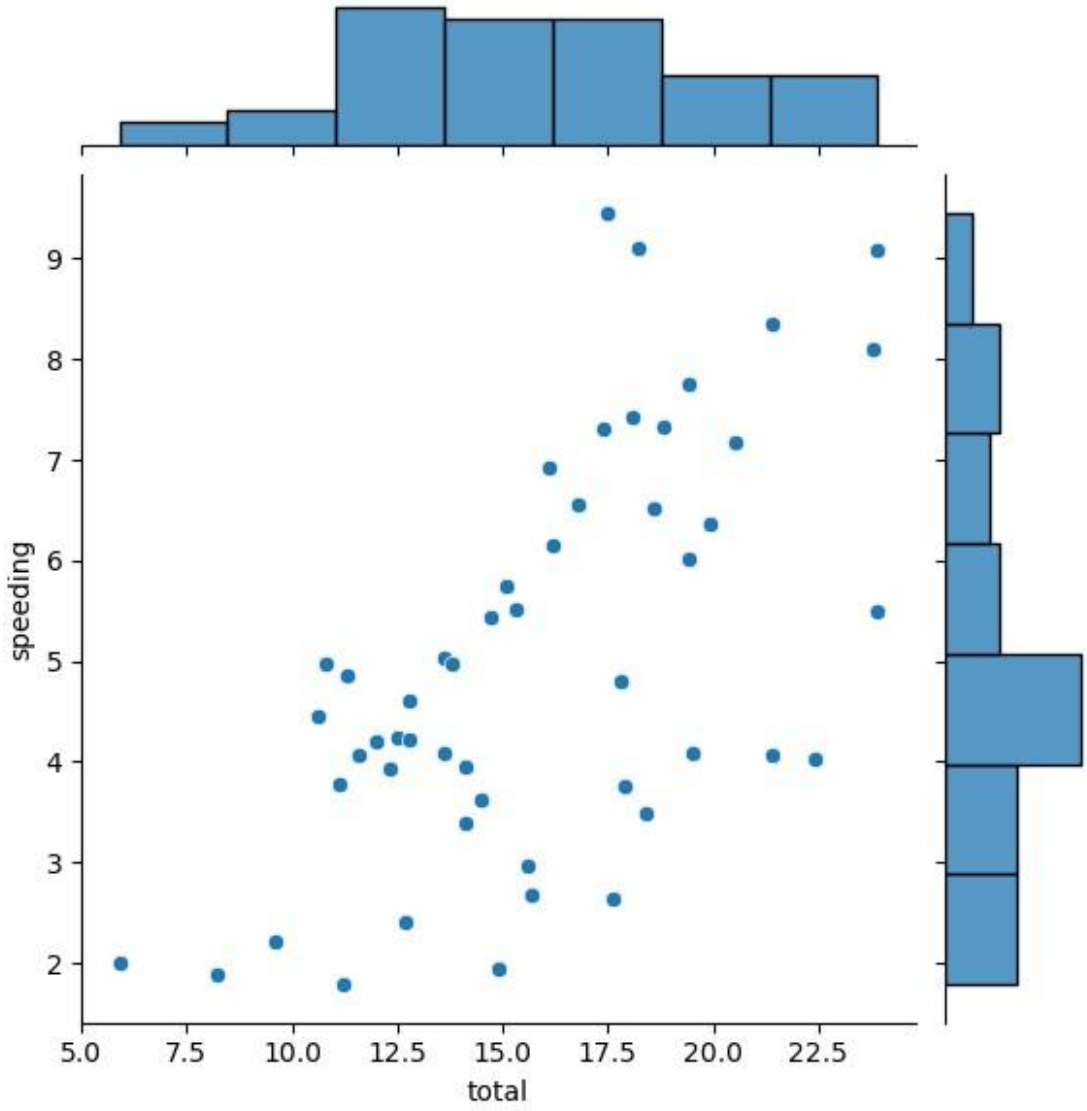

```
sns.jointplot(x="total",y="alcohol",data=data)
```

```
<seaborn.axisgrid.JointGrid at 0x1a41fdf3fd0>
```



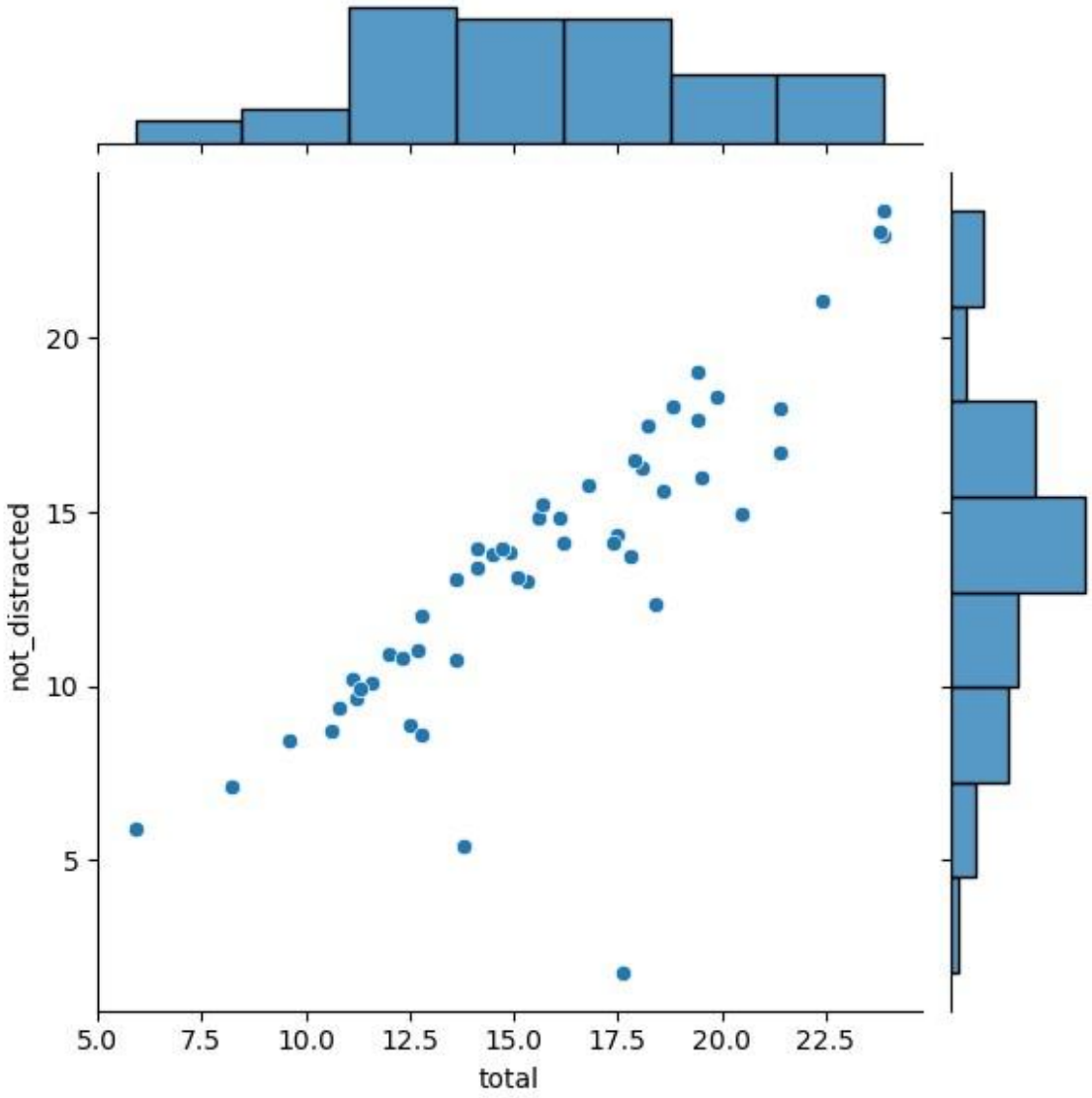

```
sns.jointplot(x="total",y="speeding",data=data)
```

```
<seaborn.axisgrid.JointGrid at 0x1a4249b8fa0>
```



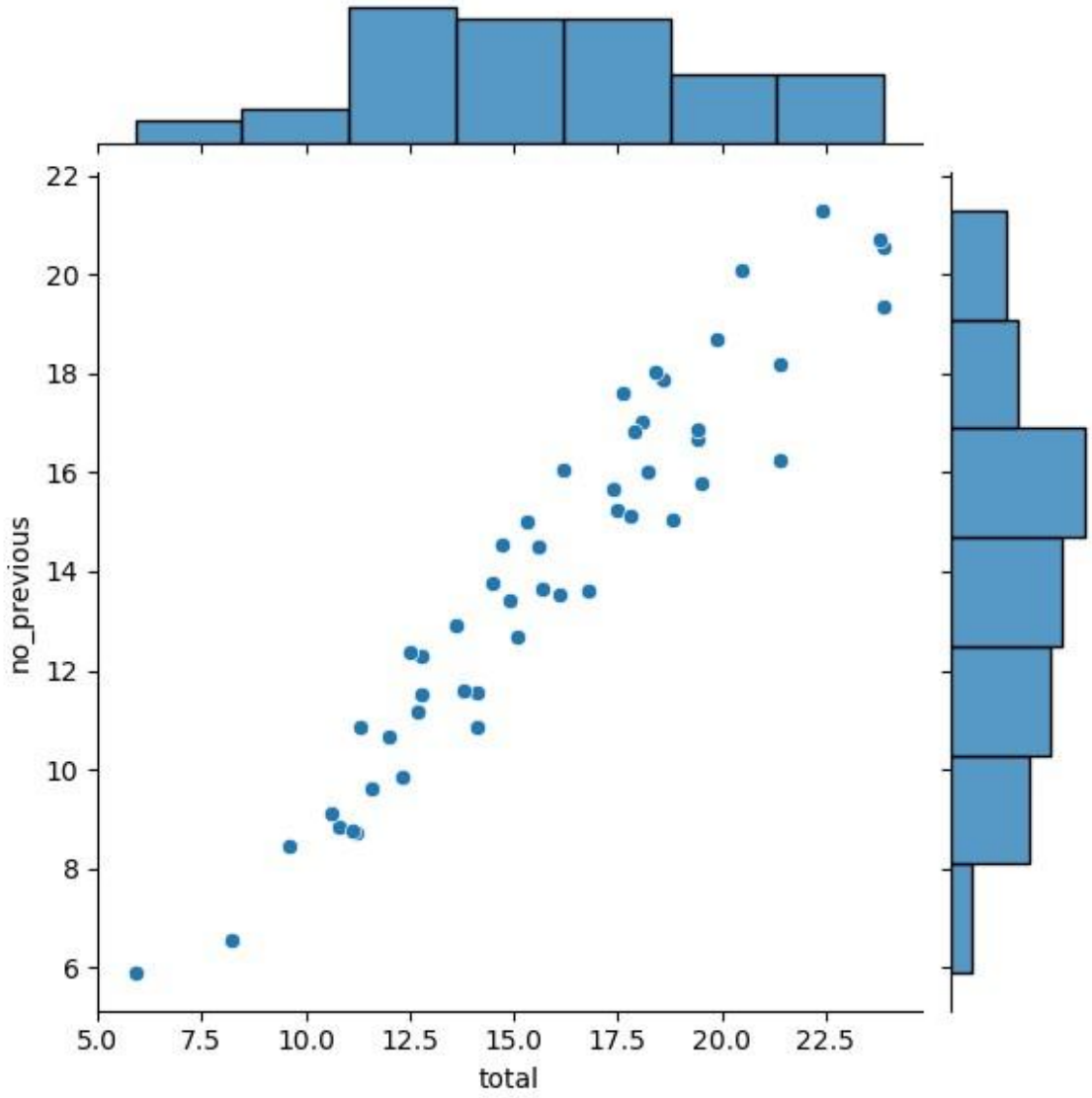

```
sns.jointplot(x="total",y="not_distracted",data=data)
```

```
<seaborn.axisgrid.JointGrid at 0x1a420024a30>
```



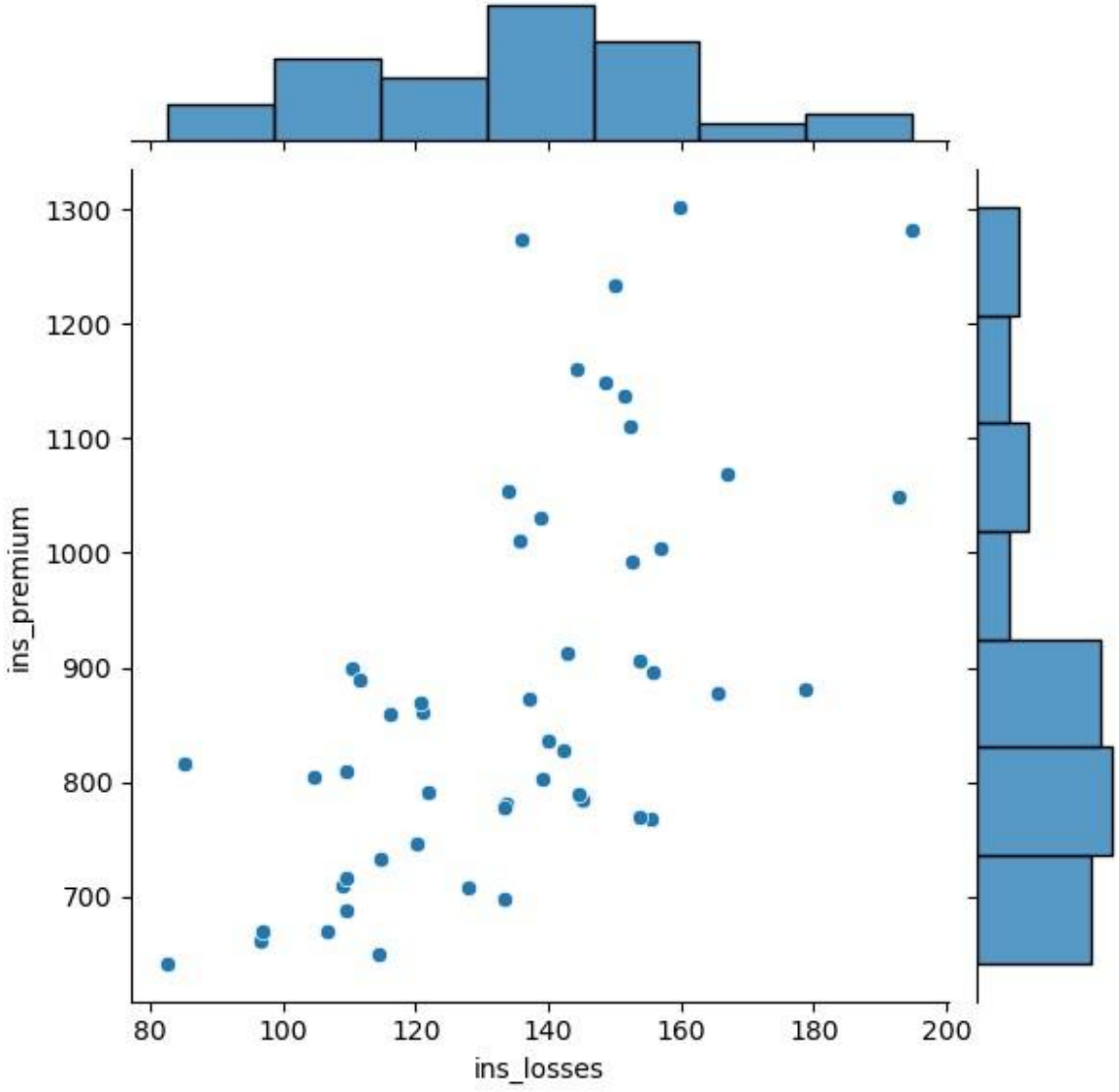

```
sns.jointplot(x="total",y="no_previous",data=data)
```

```
<seaborn.axisgrid.JointGrid at 0x1a4241ddb80>
```



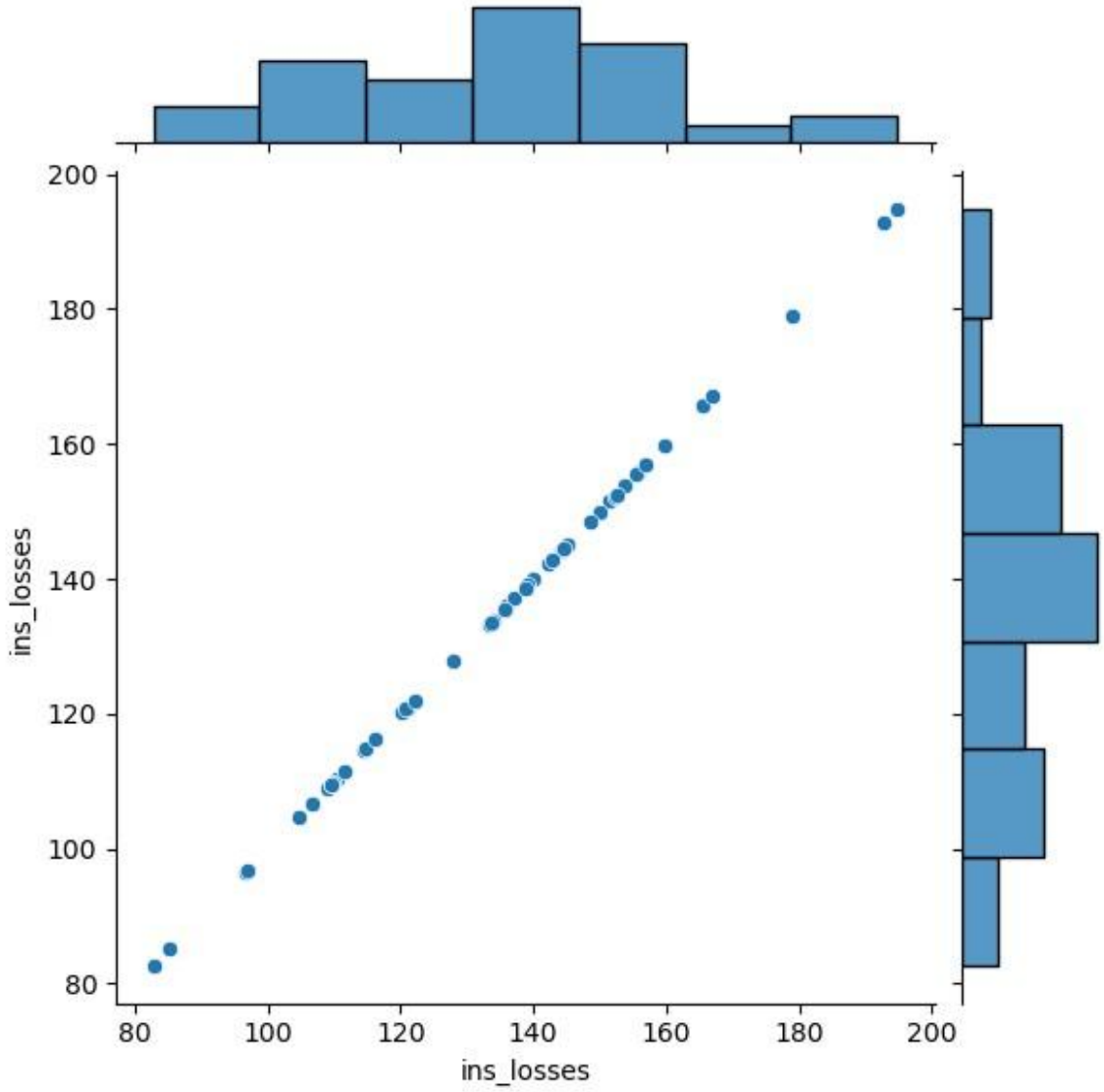

```
sns.jointplot(x="ins_losses",y="ins_premium",data=data)
```

```
<seaborn.axisgrid.JointGrid at 0x1a4228d3280>
```



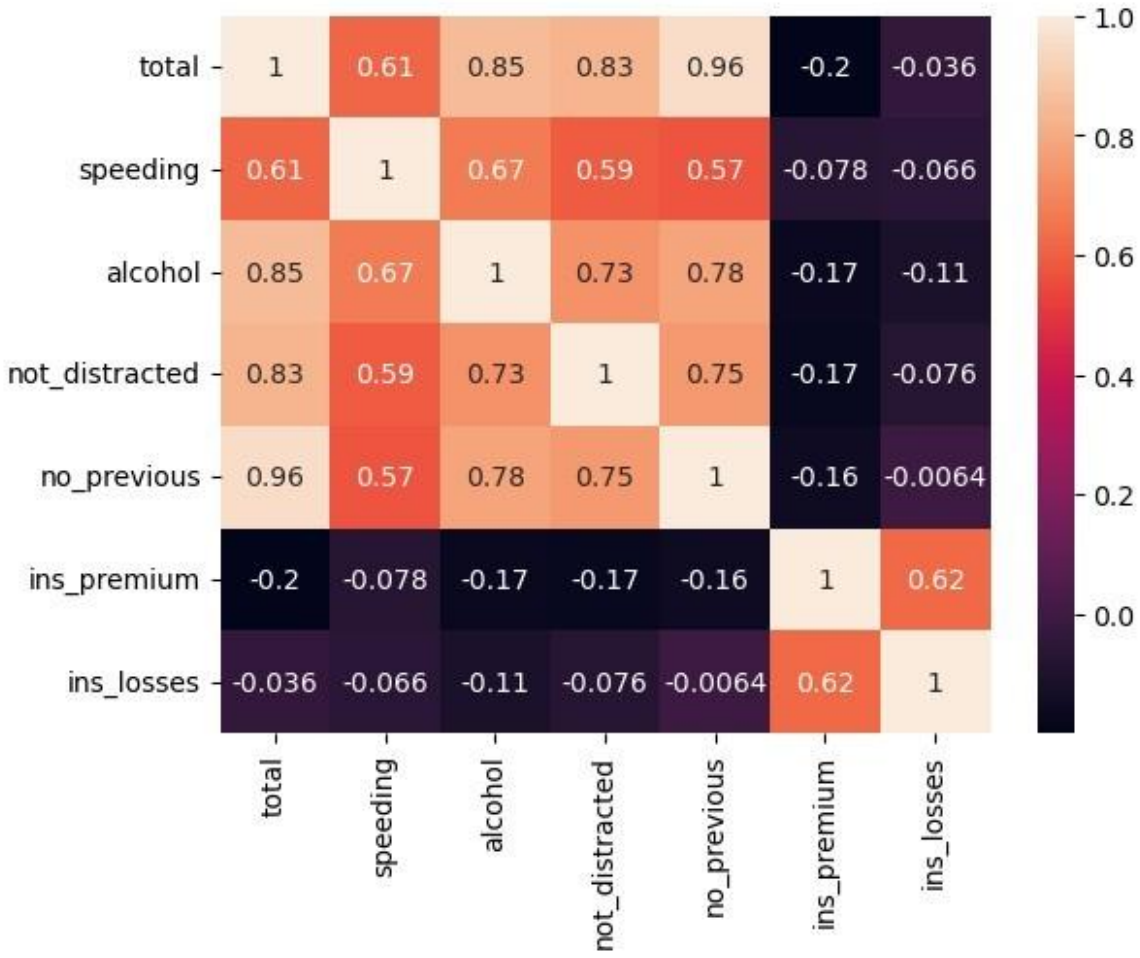

```
sns.jointplot(x="ins_losses",y="ins_losses",data=data)
```

```
<seaborn.axisgrid.JointGrid at 0x1a423337880>
```



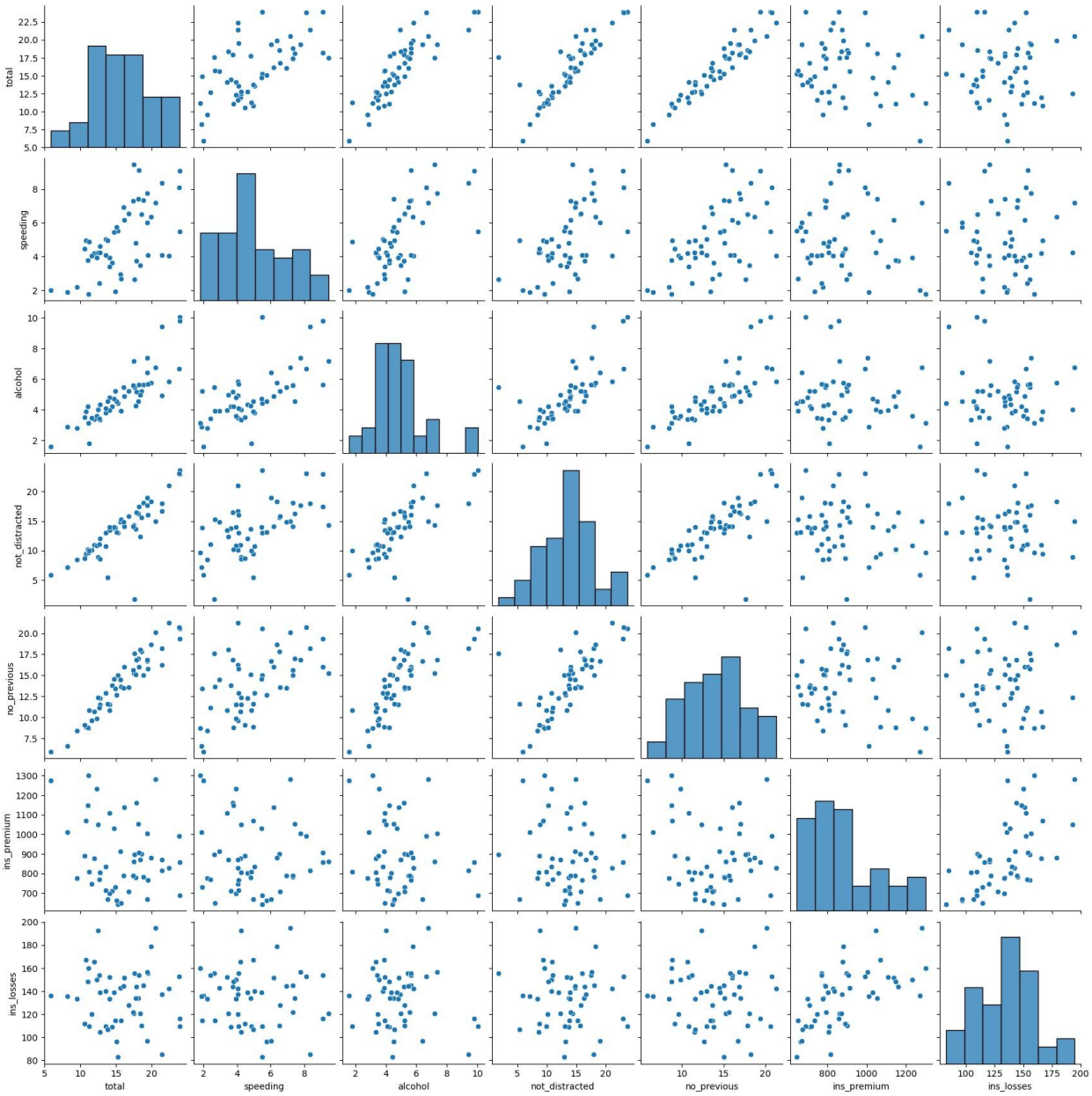

```
corr = data.corr() sns.heatmap(corr,annot=True)
```

```
<AxesSubplot:>
```




```
sns.pairplot(data)
```

```
<seaborn.axisgrid.PairGrid at 0x1a426278880>
```


total
speeding
alcohol
not_distracted
no_previous
ins_premium
ins_losses