

```

394 44.0      4      97.0      52.0      2130      24.6
395 32.0      4     135.0      84.0      2295      11.6
396 28.0      4     120.0      79.0      2625      18.6
397 31.0      4     119.0      82.0      2720      19.4

```

```

      model_year  origin      name
0           70     usa  chevrolet chevelle malibu
1           70     usa      buick skylark 320
2           70     usa  plymouth satellite
3           70     usa      amc rebel sst
4           70     usa      ford torino
..          ...     ...          ...
393          82     usa      ford mustang gl
394          82  europe      vw pickup
395          82     usa      dodge rampage
396          82     usa      ford ranger
397          82     usa      chevy s-10

```

```
[398 rows x 9 columns]>
```

```

d=d.dropna()
r,p=scipy.stats.pearsonr(d.mpg,d.weight)
print('r=',round(r,3),'@',round(p,3),'level of significance')

```

```

r= -0.832 @ 0.0 level of significance

```

```

d=d.dropna()
r,p=scipy.stats.pearsonr(d.mpg,d.acceleration)
print('r=',round(r,3),'@',round(p,3),'level of significance')

```

```

r= 0.423 @ 0.0 level of significance

```