```python
from google.colab import drive
drive.mount('/content/drive')
```

```
Mounted at /content/drive
```

```python
import matplotlib.pyplot as plt
import pandas as pd
```

```python
path ='/content/drive/MyDrive/Colab Notebooks/lab5.csv'
data = pd.read_csv(path)
```

```python
print(data.head())
print(data.shape)
```

```
      UNITID    OPEID  OPEID6                             INSTNM        CITY  \
0     100654   100200    1002                Alabama A & M University      Normal
1     100663   105200    1052   University of Alabama at Birmingham   Birmingham
2     100690  2503400   25034                       Amridge University   Montgomery
3     100706   105500    1055   University of Alabama in Huntsville   Huntsville
4     100724   100500    1005                Alabama State University   Montgomery

     STABBR  State_name          ZIP                      INSTURL  \
0        AL     Alabama        35762              www.aamu.edu/
1        AL     Alabama   35294-0110                www.uab.edu
2        AL     Alabama   36117-3553     www.amridgeuniversity.edu
3        AL     Alabama        35899                www.uah.edu
4        AL     Alabama   36104-0271              www.alasu.edu

                                      NPCURL
0         galileo.aamu.edu/netpricecalculator/npcalc.htm
1      www.collegeportraits.org/AL/UAB/estimator/agree
2                   www2.amridgeuniversity.edu:9091/
3                                 finaid.uah.edu/
4      www.alasu.edu/cost-aid/forms/calculator/index....
(7703, 10)
```

```python
grdata = data.groupby(['State_name']).size()
print(grdata.head())
print(type(grdata))
```

```
State_name
 North Dakota      30
 Alabama           97
 Alaska            10
 Arizona          134
 Arkansas          89
dtype: int64
<class 'pandas.core.series.Series'>
```
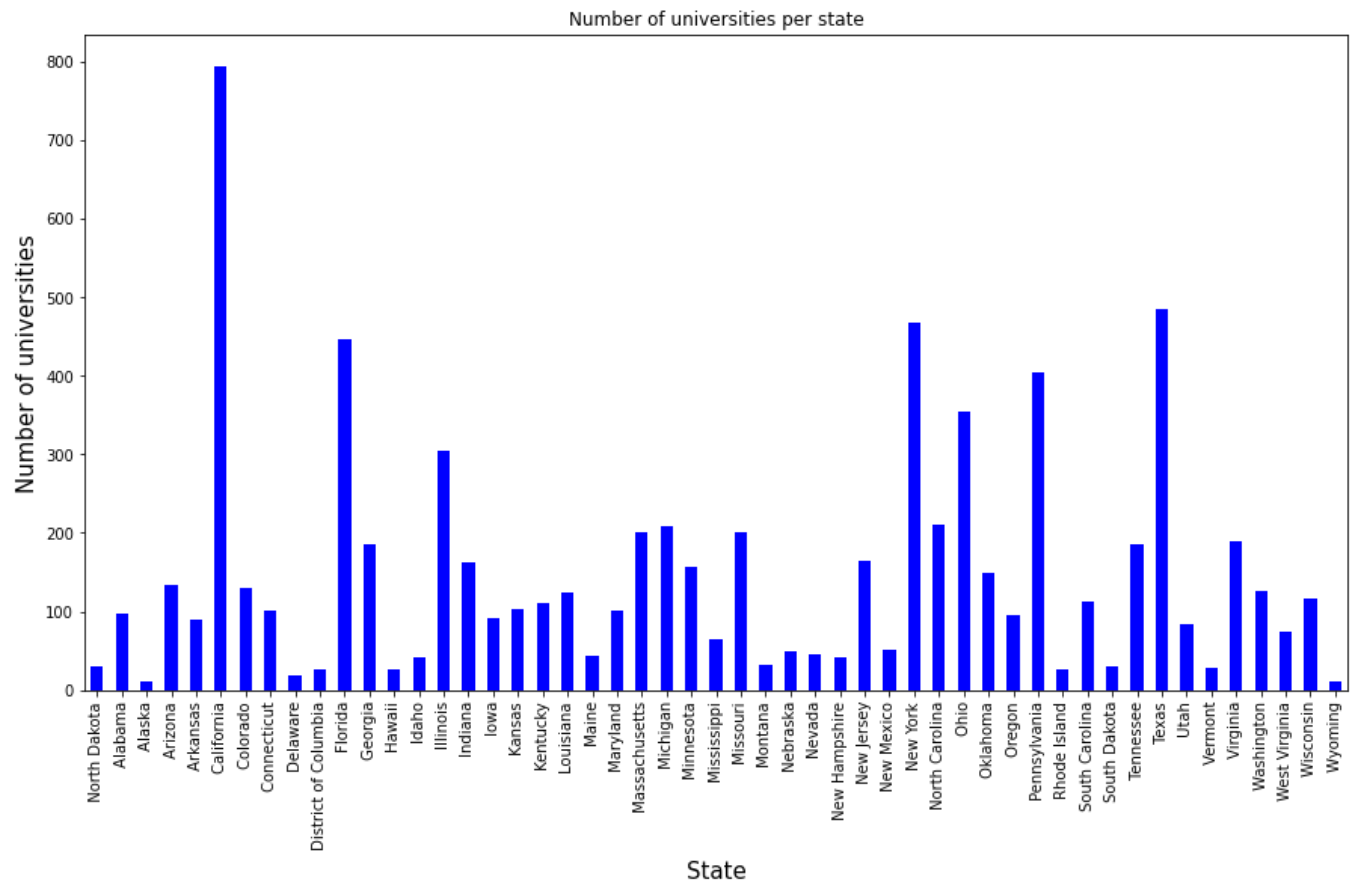
```
chart = grdata.plot(kind='bar', title = 'Number of universities per state', figsize= (
chart.set_xlabel('State', fontsize=15)
chart.set_ylabel ('Number of universities', fontsize = 15)
```

Text(0, 0.5, 'Number of universities')

Colab paid products - Cancel contracts here

✓ 1s   completed at 17:49   ● ✕