

```
In [1]: import matplotlib.pyplot as plt
import matplotlib inline
```

```
In [2]: import numpy as np
import pandas as pd
```

```
In [3]: df=pd.read_csv("C://Users//DGVC//Downloads//insurance.csv")
```

```
In [10]: df
```

```
Out[10]:
```

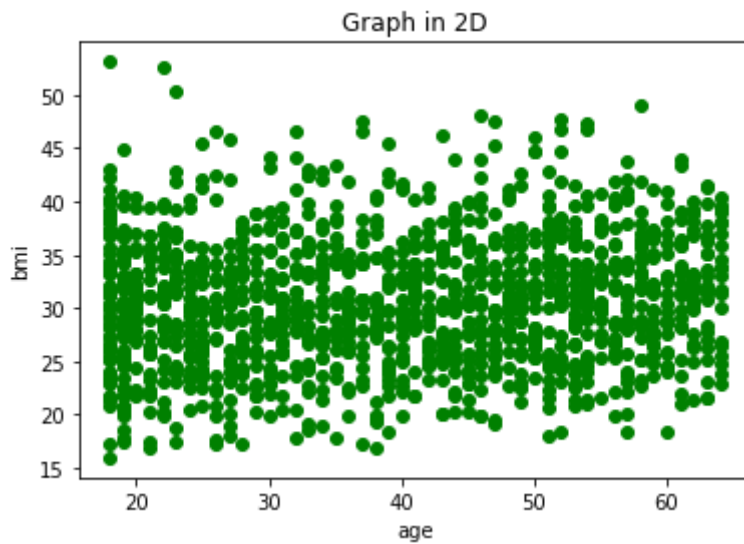
	age	sex	bmi	children	smoker	region	charges
0	19	female	27.900	0	yes	southwest	16884.92400
1	18	male	33.770	1	no	southeast	1725.55230
2	28	male	33.000	3	no	southeast	4449.46200
3	33	male	22.705	0	no	northwest	21984.47061
4	32	male	28.880	0	no	northwest	3866.85520
...
1333	50	male	30.970	3	no	northwest	10600.54830
1334	18	female	31.920	0	no	northeast	2205.98080
1335	18	female	36.850	0	no	southeast	1629.83350
1336	21	female	25.800	0	no	southwest	2007.94500
1337	61	female	29.070	0	yes	northwest	29141.36030

1338 rows × 7 columns

```
In [ ]:
```

```
In [ ]:
```

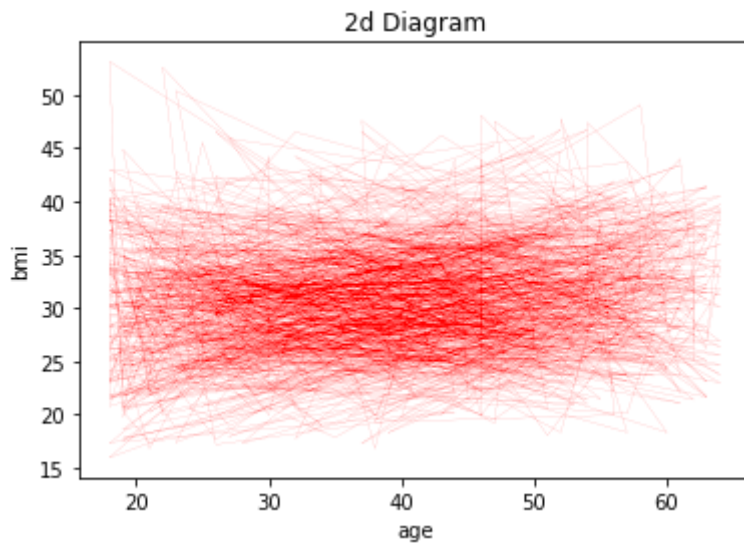
```
In [13]: plt.scatter(x='age',y='bmi',data= df,c='g')
plt.xlabel('age')
plt.ylabel('bmi')
plt.title('Graph in 2D')
plt.savefig('Test.jpg')
```



In []:

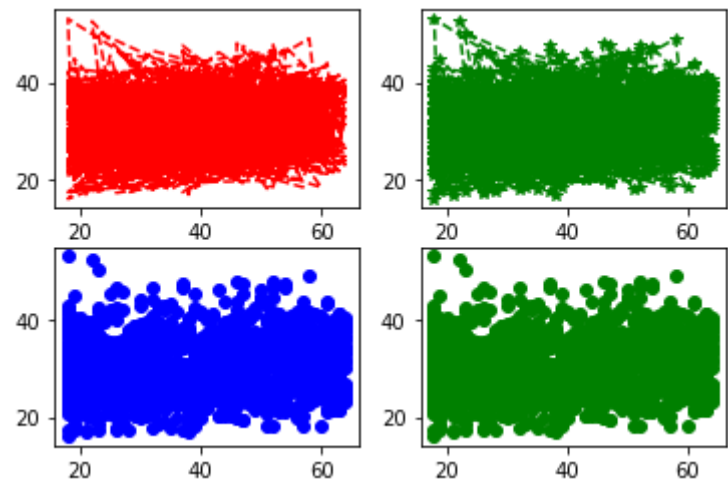
```
In [16]: plt.plot('age', 'bmi', 'r--', data=df, linestyle='dashed', linewidth=0.1, markersize=1)
plt.xlabel('age')
plt.ylabel('bmi')
plt.title('2d Diagram')
```

Out[16]: Text(0.5, 1.0, '2d Diagram')



```
In [20]: plt.subplot(2,2,1)
plt.plot('age', 'bmi', 'r--', data=df)
plt.subplot(2,2,2)
plt.plot('age', 'bmi', 'g*--', data=df)
plt.subplot(2,2,3)
plt.plot('age', 'bmi', 'bo', data=df)
plt.subplot(2,2,4)
plt.plot('age', 'bmi', 'go', data=df)
```

Out[20]: [<matplotlib.lines.Line2D at 0x201369c9a60>]



In []:

In []: