```
In [1]: import seaborn as sns
        import matplotlib.pyplot as plt
        %matplotlib inline
        iris = sns.load_dataset('iris')
        iris.head()
```

Out[1]:

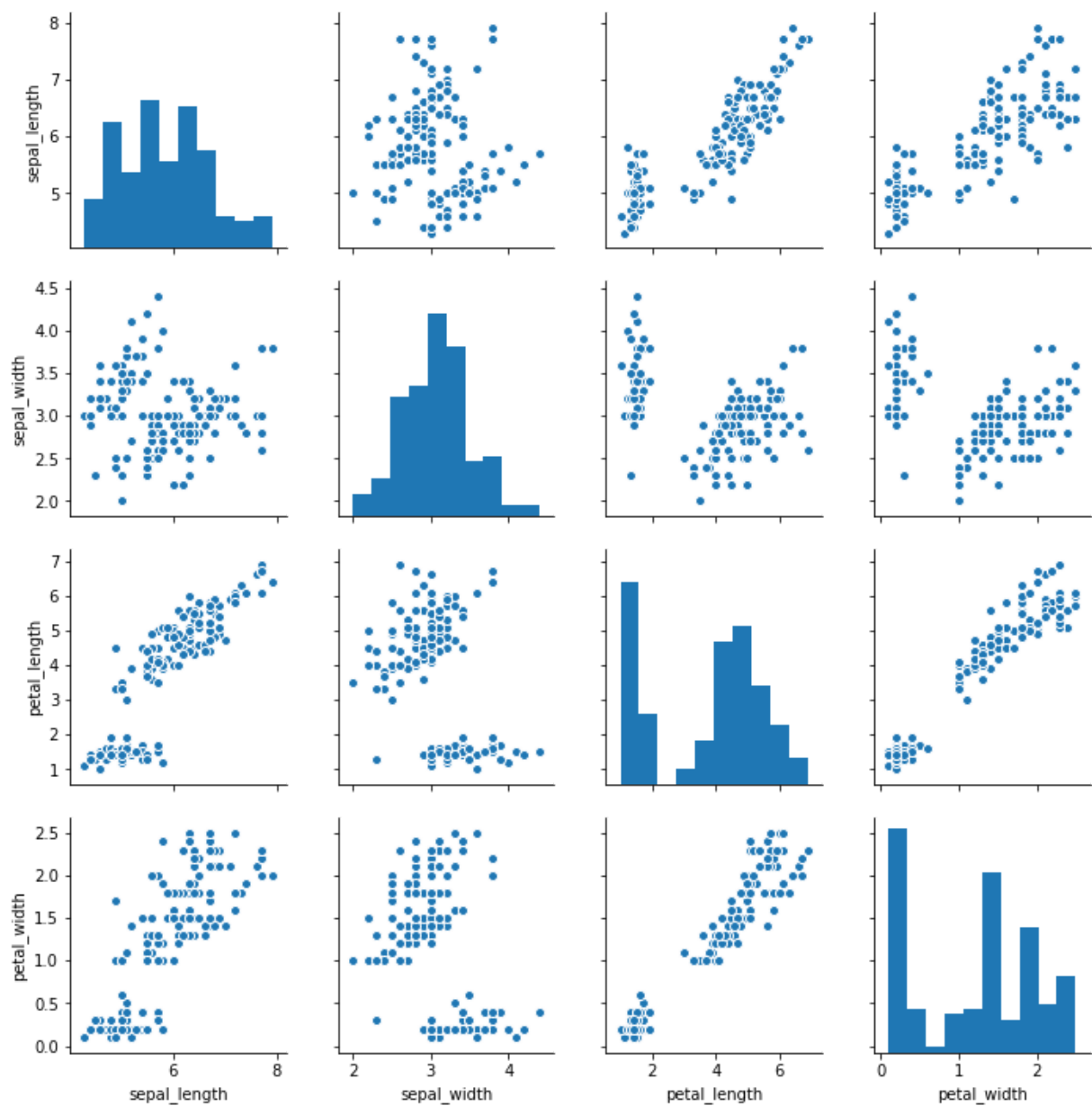|	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa

PairGrid

Pairgrid is a subplot grid for plotting pairwise relationships in a dataset.

```
In [2]: iris['species'].unique()
```

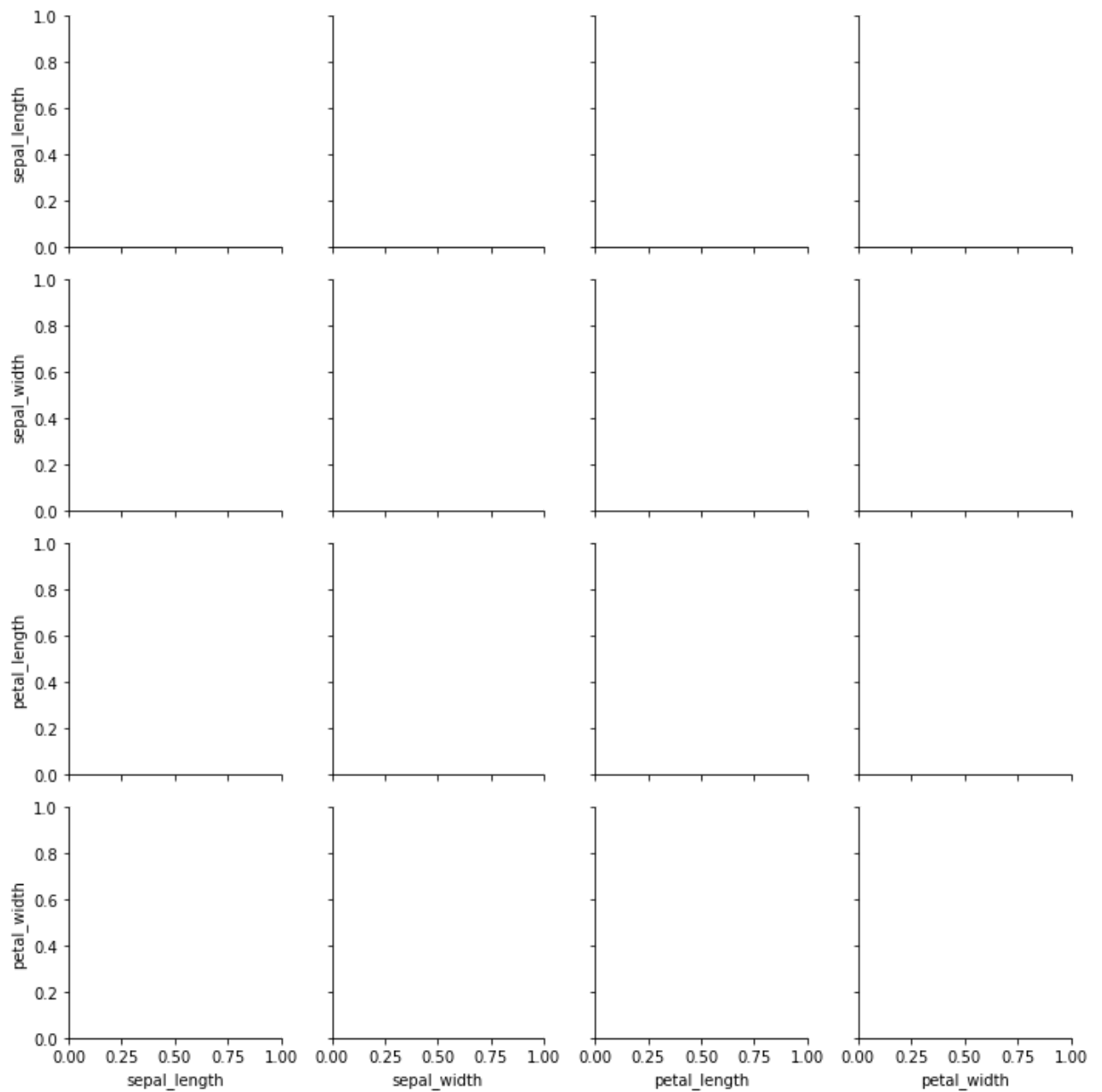Out[2]: array(['setosa', 'versicolor', 'virginica'], dtype=object)
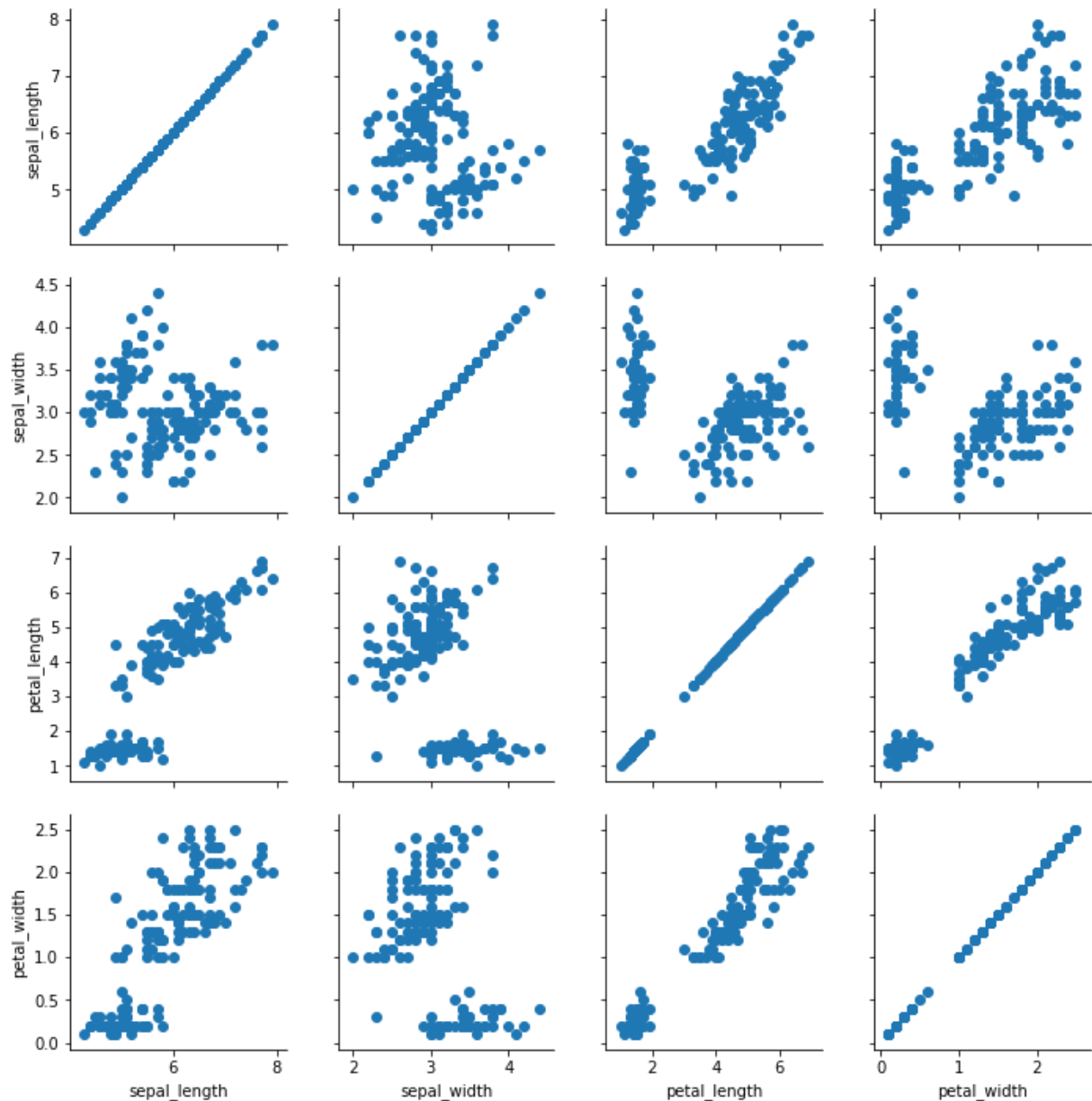
In [4]: `sns.pairplot(iris)`

Out[4]: `<seaborn.axisgrid.PairGrid at 0x9a46588>`

In [6]: `sns.PairGrid(iris)`

Out[6]: `<seaborn.axisgrid.PairGrid at 0xb8e04e0>`

In [8]:
```python
g=sns.PairGrid(iris)
g.map(plt.scatter)
```

Out[8]: <seaborn.axisgrid.PairGrid at 0xceff2b0>

In [10]:
```python
g=sns.PairGrid(iris)
g.map_diag(sns.distplot)
g.map_upper(plt.scatter)
g.map_lower(sns.kdeplot)
```

C:\Users\q21\Anaconda3\lib\site-packages\matplotlib\axes_axes.py:6462: UserWar
ning: The 'normed' kwarg is deprecated, and has been replaced by the 'density'
kwarg.
  warnings.warn("The 'normed' kwarg is deprecated, and has been "
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kwarg.
  warnings.warn("The 'normed' kwarg is deprecated, and has been "
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g: The following kwargs were not used by contour: 'label', 'color'
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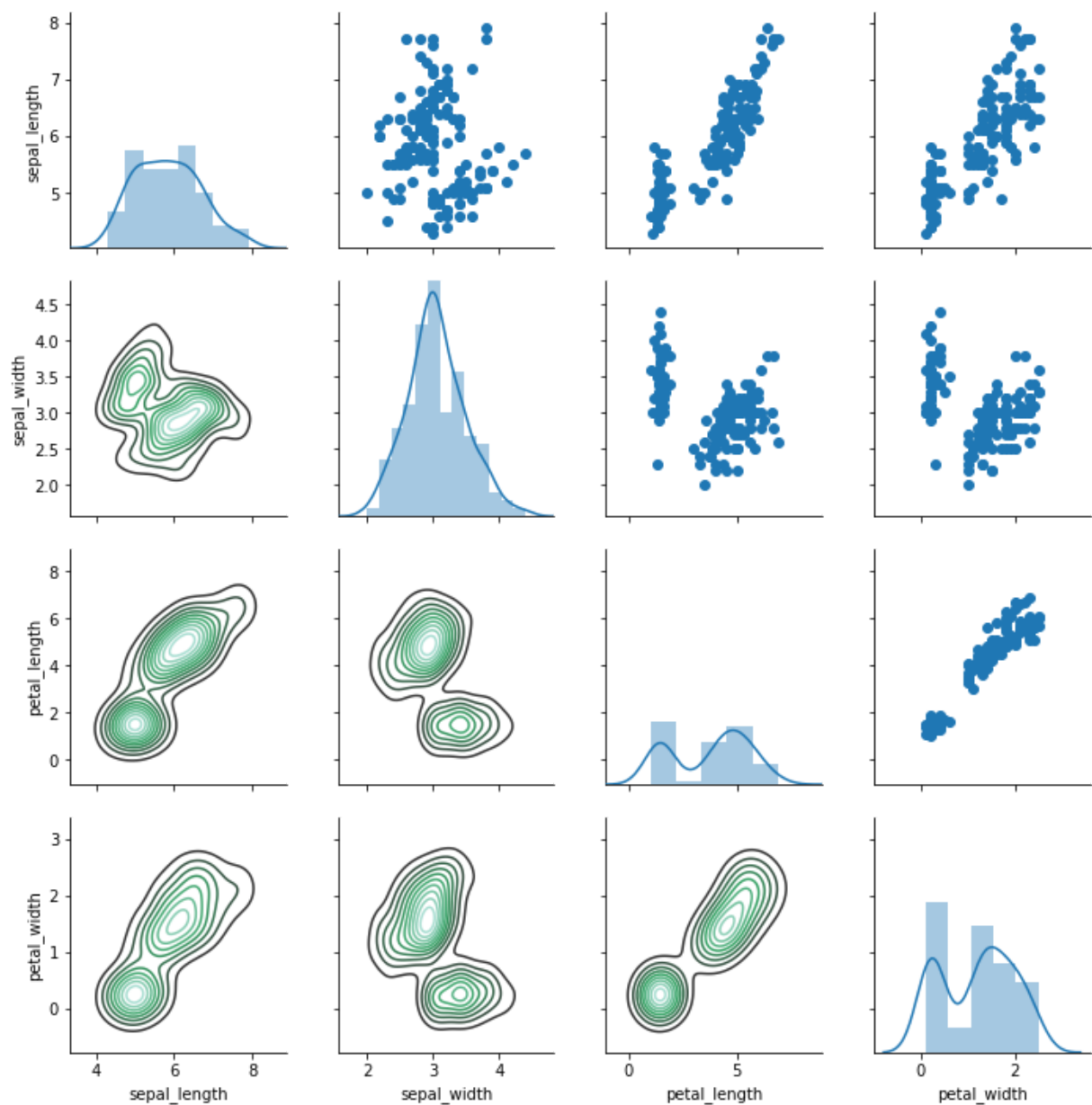g: The following kwargs were not used by contour: 'label', 'color'
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g: The following kwargs were not used by contour: 'label', 'color'
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g: The following kwargs were not used by contour: 'label', 'color'
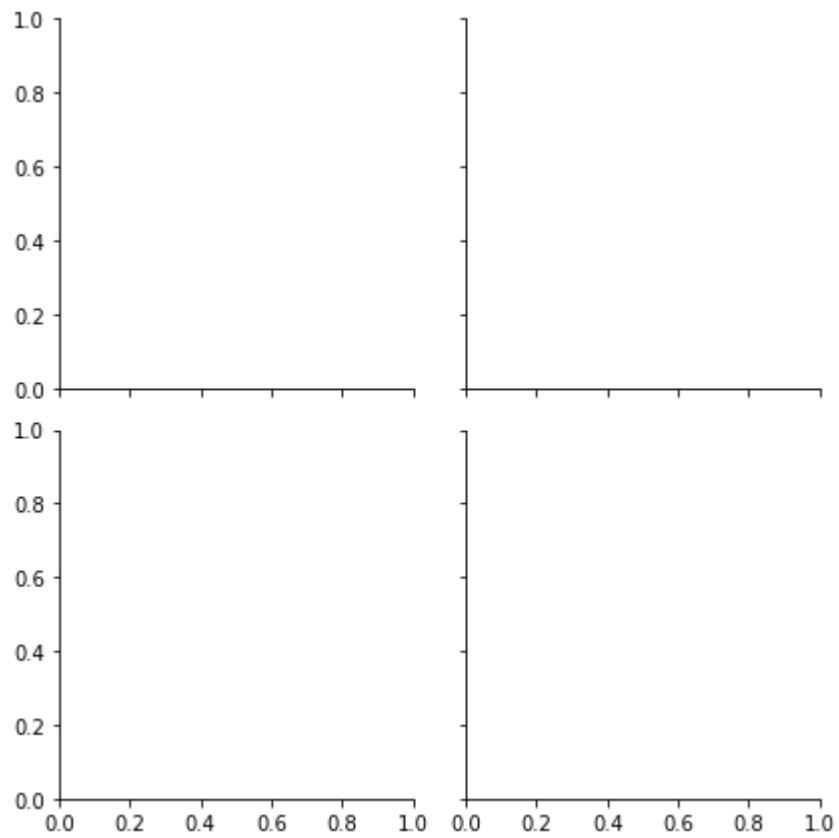 s)

Out[10]: <seaborn.axisgrid.PairGrid at 0xdb827f0>

```
In [11]:  tips= sns.load_dataset('tips')
```

```
In [12]:  tips.head()
```

Out[12]:

	total_bill	tip	sex	smoker	day	time	size
0	16.99	1.01	Female	No	Sun	Dinner	2
1	10.34	1.66	Male	No	Sun	Dinner	3
2	21.01	3.50	Male	No	Sun	Dinner	3
3	23.68	3.31	Male	No	Sun	Dinner	2
4	24.59	3.61	Female	No	Sun	Dinner	4

In [13]:
```python
g= sns.FacetGrid(data=tips,col='time',row='smoker')
```

In [14]:
```python
g= sns.FacetGrid(data=tips,col='time',row='smoker')
g.map(sns.distplot,'total_bill')
```

```
C:\Users\q21\Anaconda3\lib\site-packages\matplotlib\axes\_axes.py:6462: UserWar
ning: The 'normed' kwarg is deprecated, and has been replaced by the 'density'
kwarg.
  warnings.warn("The 'normed' kwarg is deprecated, and has been "
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kwarg.
  warnings.warn("The 'normed' kwarg is deprecated, and has been "
```
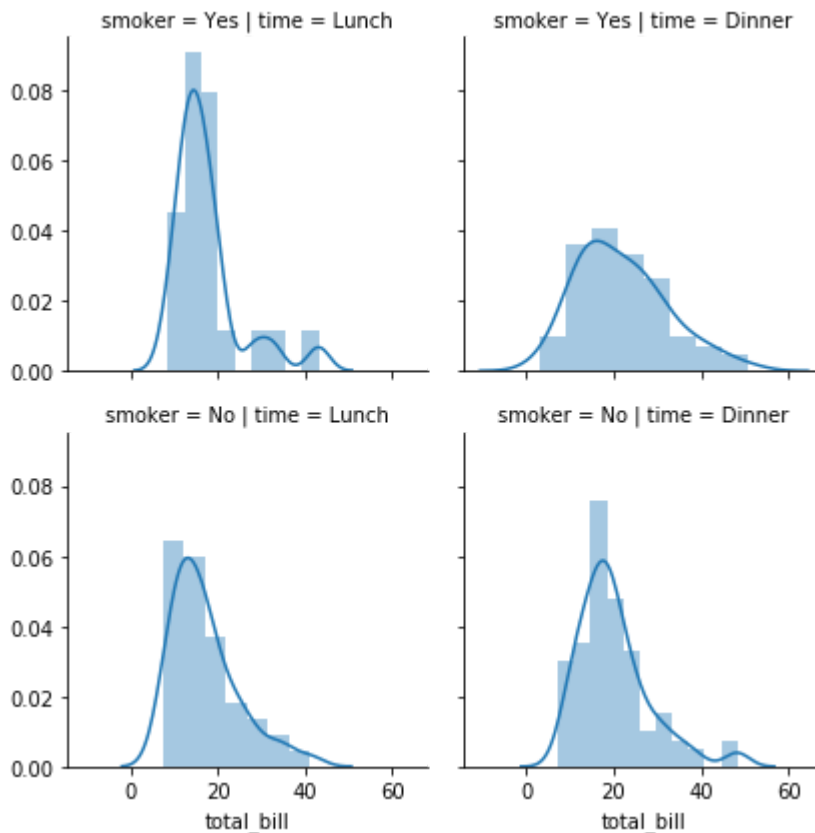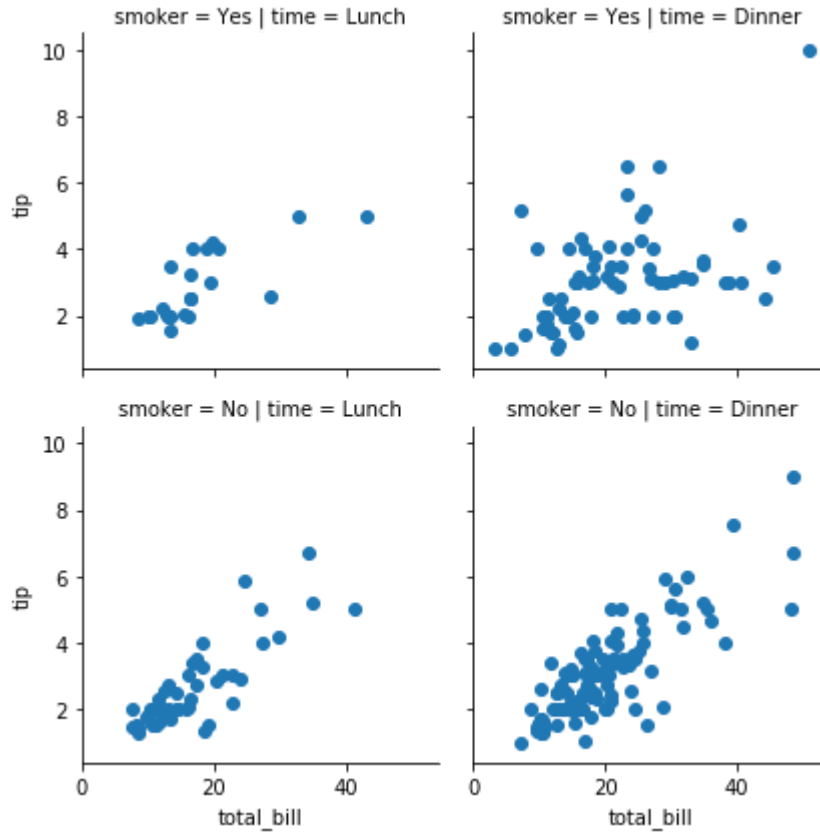
Out[14]: <seaborn.axisgrid.FacetGrid at 0xf8a62b0>

In [15]:
```python
g= sns.FacetGrid(data=tips,col='time',row='smoker')
g.map(plt.scatter,'total_bill','tip')
```

Out[15]: <seaborn.axisgrid.FacetGrid at 0xfa3a2b0>

In [ ]: