PyCon 2015 大会 上海 - Python大数据分析与可视化

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In [1]:

```
%matplotlib inline
%run env.py
```

Tipc Analysis

In [2]:

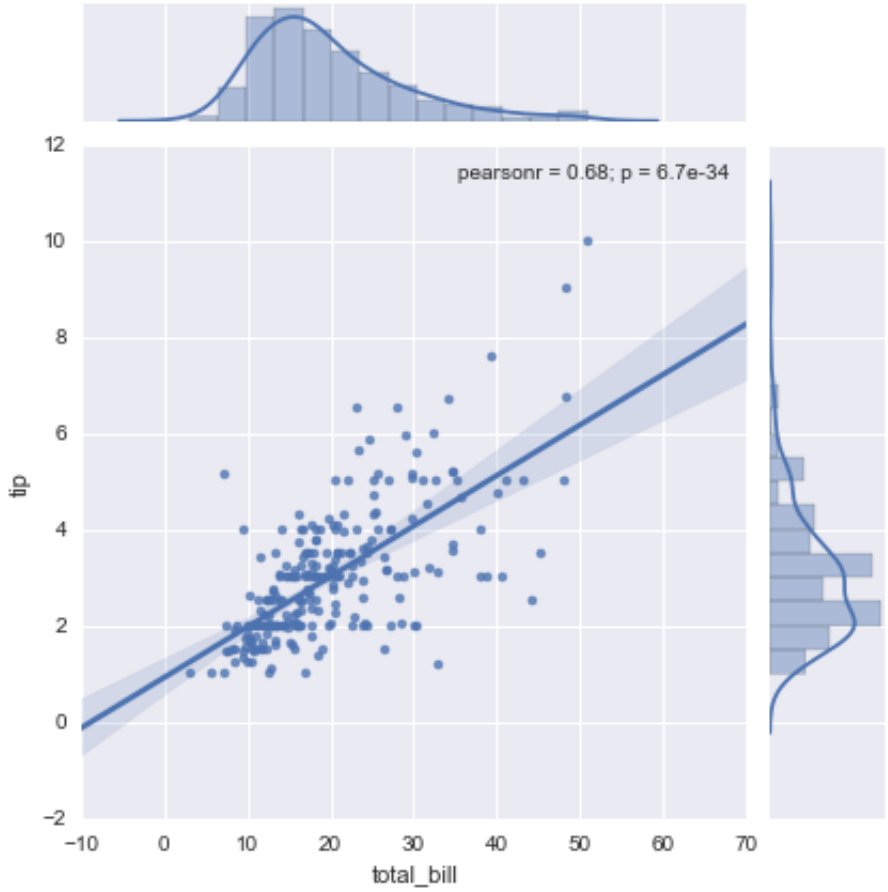
```
tips = pd.read_csv("./tips.csv")
tips.head()
```

Out[2]:

	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 [3]:

```
g = sns.jointplot("total_bill", "tip", data=tips, kind="reg")
```

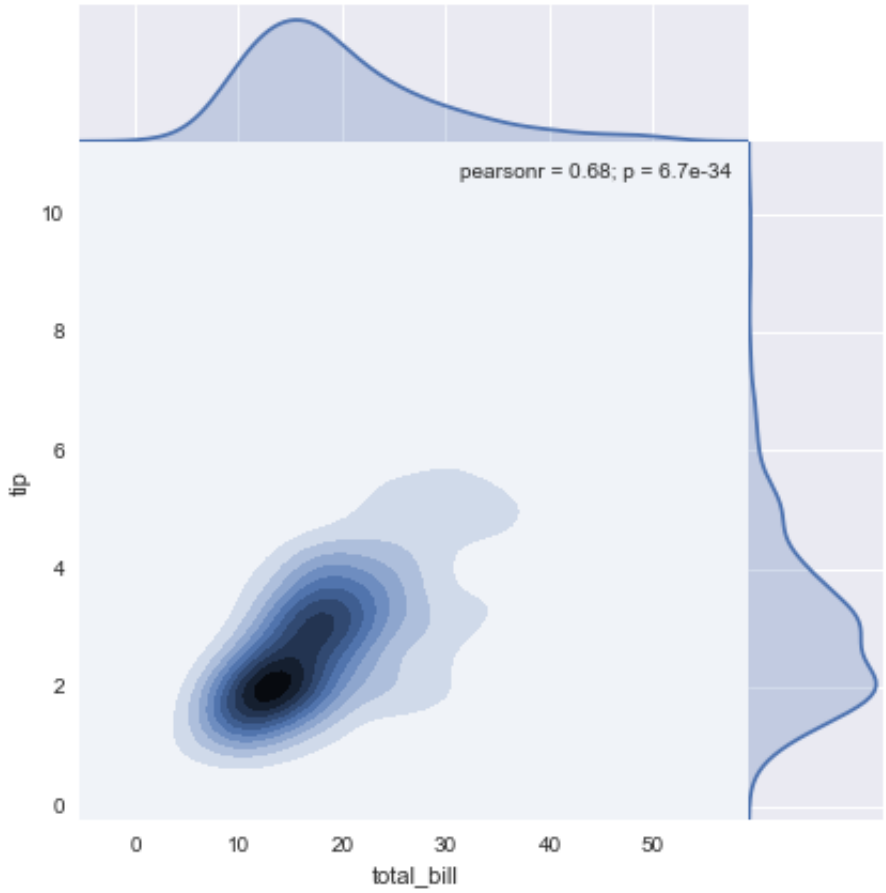


In [4]:

```
sns.jointplot("total_bill", "tip", data=tips,
              kind="kde", space=0)
```

Out[4]:

```
<seaborn.axisgrid.JointGrid at 0x109b98dd0>
```

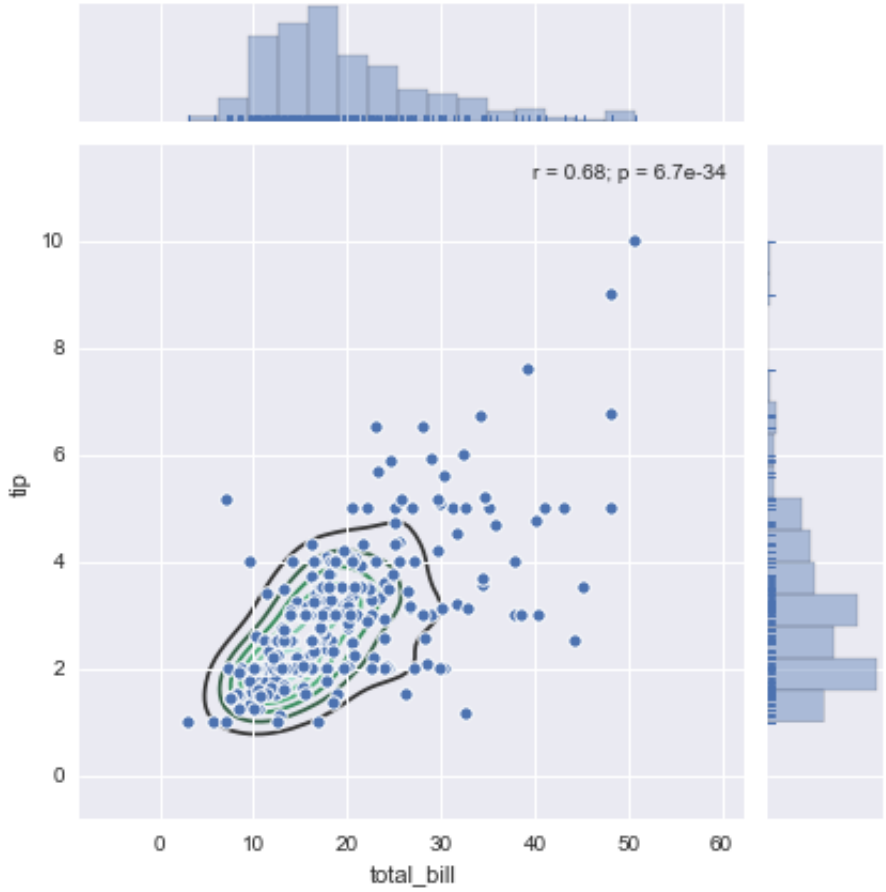


In [5]:

```
sns.jointplot("total_bill", "tip", data=tips,
              marginal_kws=dict(bins=15, rug=True),
              annot_kws=dict(stat="r"),
              s=40, edgecolor="w", linewidth=1) \
             .plot_joint(sns.kdeplot, zorder=0, n_levels=6)
```

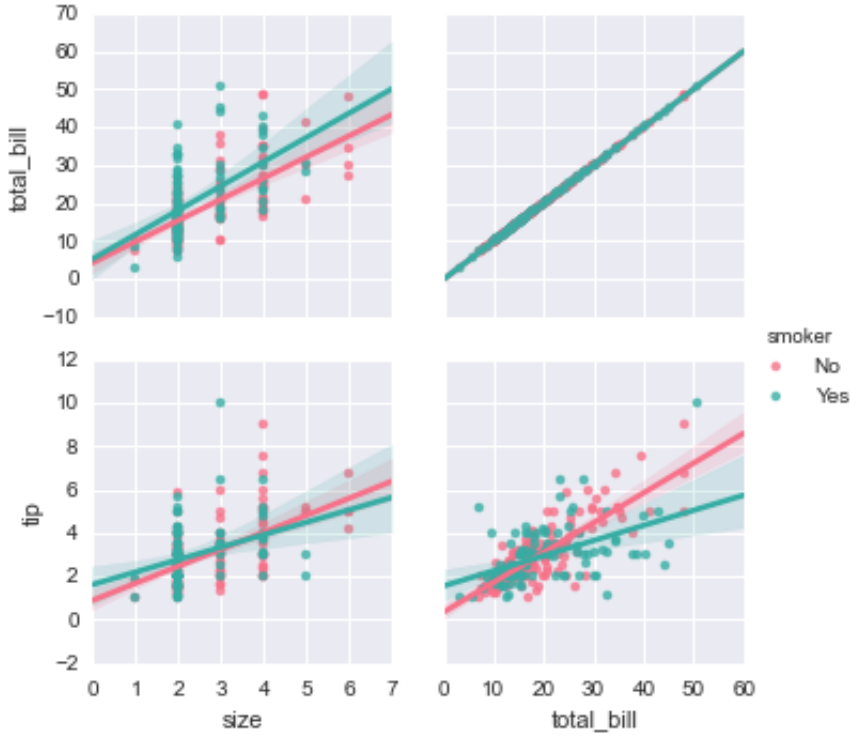
Out[5]:

```
<seaborn.axisgrid.JointGrid at 0x109ea5f90>
```



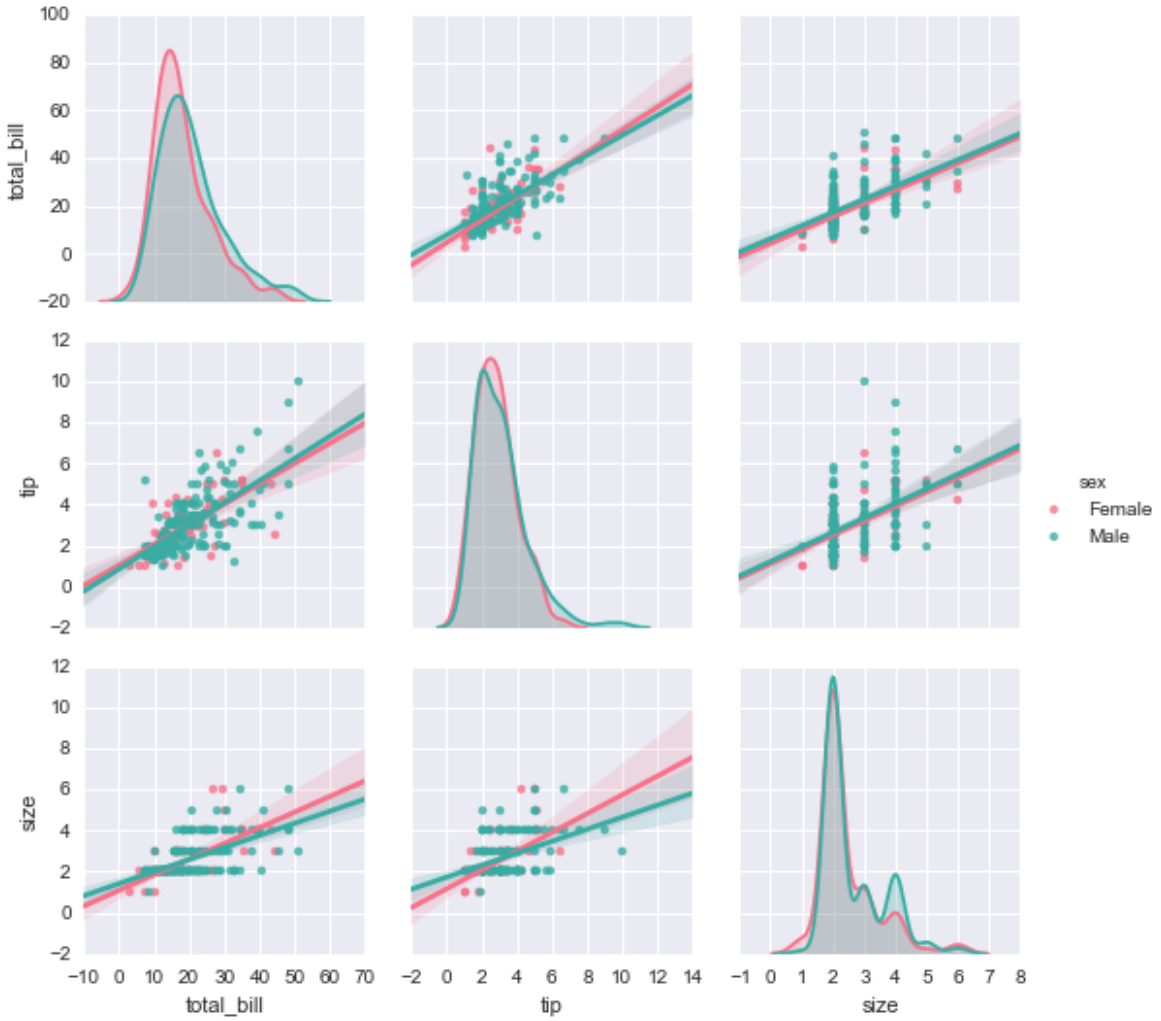
In [6]:

```
g = sns.pairplot(tips, x_vars=["size", "total_bill"],
                 y_vars=["total_bill", "tip"],
                 hue="smoker", palette="husl",
                diag_kind="kde", kind="reg",
                 diag_kws=dict(shade=True))
```



In [8]:

```
g = sns.pairplot(tips, hue="sex", palette="husl",
                 diag_kind="kde", kind="reg",
                  diag_kws=dict(shade=True))
```



In [ ]:

```

```