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(26条消息) Facetgrid使用方法_一匹脱缰的野马的博客-CSDN博客_facet_grid

2-2 minutes

查看数据的前五行

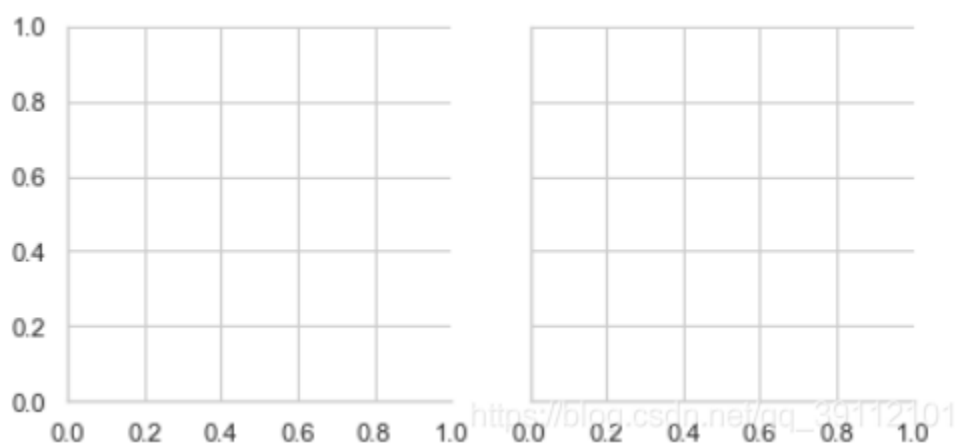
```
tips = sns.load_dataset("tips")
```

```
tips.head()
```

	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

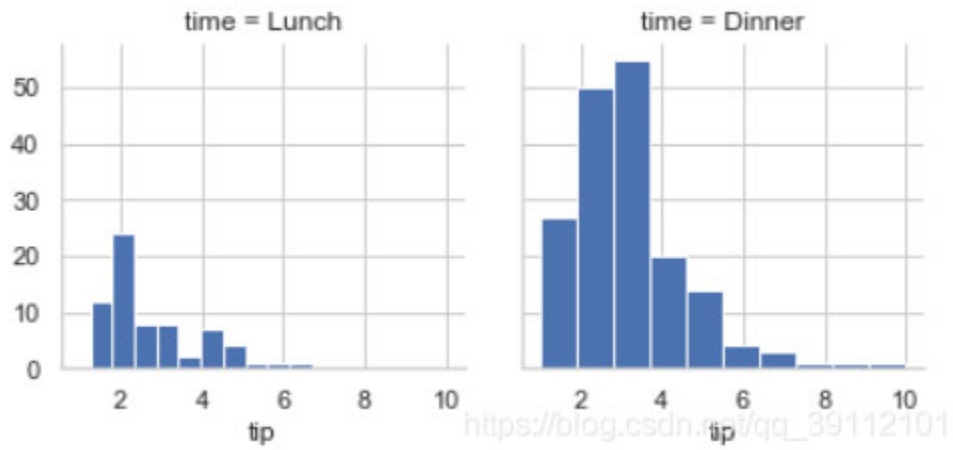
引入数据，布置横向画布

```
g = sns.FacetGrid(tips, col='time')
```



```
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```

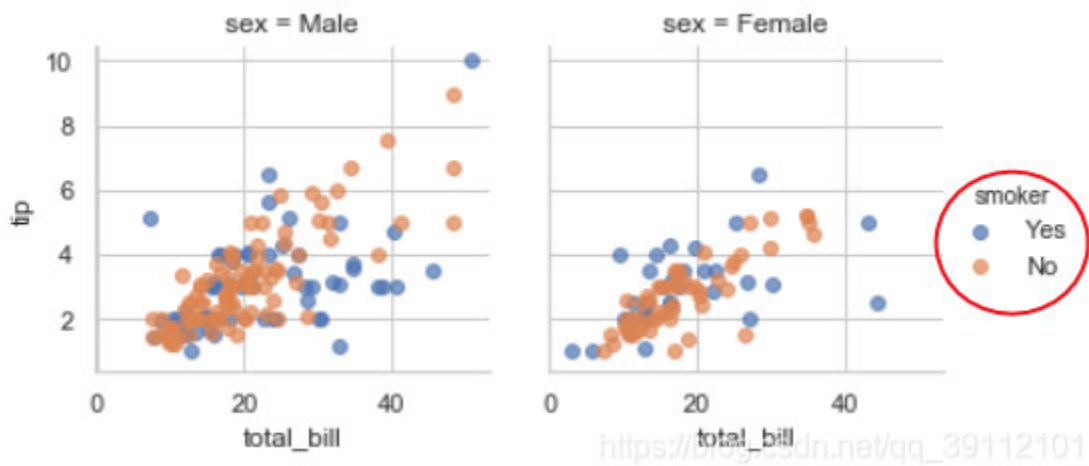
```
g.map(plt.hist, "tip") #以tip为横轴画柱状图
```



```
g = sns.FacetGrid(tips, col="sex", hue="smoker")
```

```
g.map(plt.scatter, "total_bill", "tip", alpha=.7) #绘制散点图，设置横纵轴，设置透明度
```

```
g.add_legend() #加上如下图标标注的图例
```



```
g = sns.FacetGrid(tips, row="smoker", col="time", margin_titles=True)
```

```
#设置行列布局方式
```

```
g.map(sns.regplot, "size", "total_bill", color=".1", fit_reg=True, x_jitter=.1)
```

```
#fit_reg画出回归线,
```

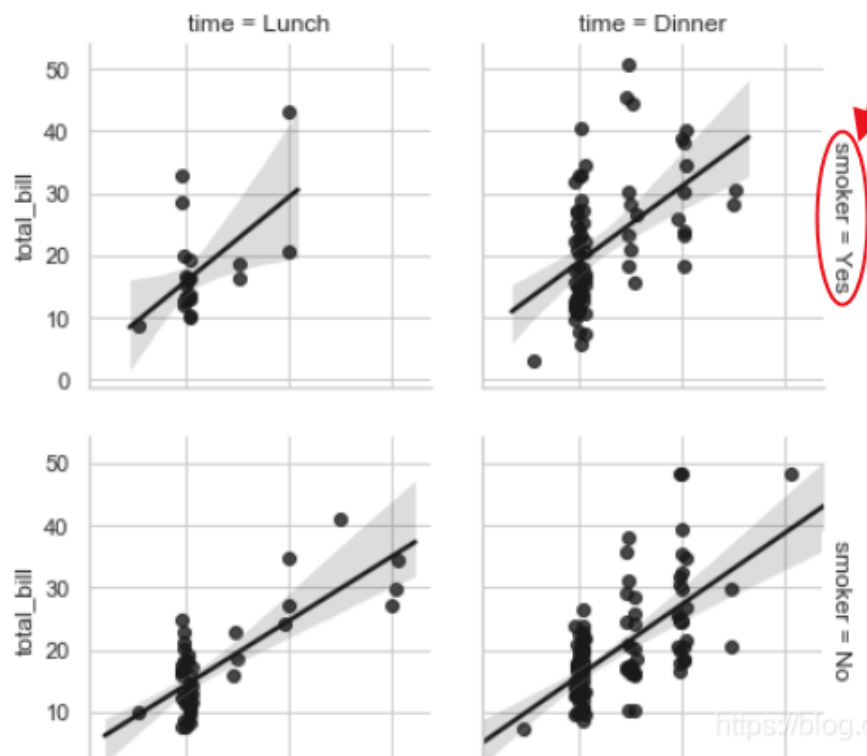
```
x_jitter为摆动程度
```

```

: g = sns.FacetGrid(tips, row="smoker", col="time", margin_titles=True)
  g.map(sns.regplot, "size", "total_bill", color=".1", fit_reg=True, x_jitter=.1)

: <seaborn.axisgrid.FacetGrid at 0x2370c1dd8d0>

```

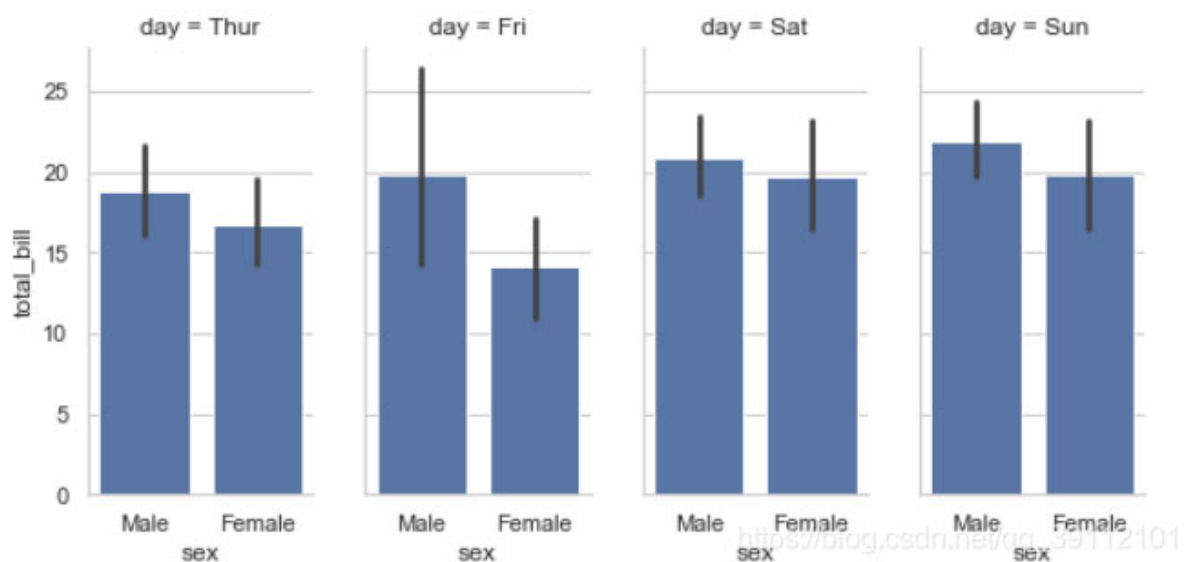


画出柱形图

```

g = sns.FacetGrid(tips, col="day", size=4, aspect=.5)
g.map(sns.barplot, "sex", "total_bill")

```



```
from pandas import Categorical
```

```
ordered_days = tips.day.value_counts().index
```

```
print(ordered_days)
```

查看day的排列顺序

```
CategoricalIndex(['Sat', 'Sun', 'Thur', 'Fri'], categories=['Thur', 'Fri', 'Sat',  
'Sun'], ordered=False, dtype='category')
```

重新设置行的排列顺序

```
ordered_days = Categorical(["Thur", "Sun", "Fri", "Sat"])
```

```
g = sns.FacetGrid(tips, row="day", row_order=ordered_days, size=1.7, aspect=4)
```

```
g.map(sns.boxplot, "total_bill")
```

