Creating Scatterplots with Seaborn

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- **Date:** -
- **Repo:** Python 3 code snippets for data science (https://github.com/chrisalbon/code_py)
- **Note:**

Preliminaries

In [1]:

```
import pandas as pd
%matplotlib inline
import random
import matplotlib.pyplot as plt
import seaborn as sns
```

In [2]:

```
df = pd.DataFrame()

df['x'] = random.sample(range(1, 1000), 5)
df['y'] = random.sample(range(1, 1000), 5)
df['z'] = [1,0,0,1,0]
df['k'] = ['male','male','male','female','female']
```

In [3]:

```
df.head()
```

Out[3]:

	x	y	z	k
0	859	714	1	male
1	70	321	0	male
2	378	12	0	male
3	737	93	1	female
4	375	956	0	female

Scatterplot

In [14]:

```
sns.set_context("notebook", font_scale=1.1)
sns.set_style("ticks")


sns.lmplot('x', 'y',
           data=df,
           fit_reg=False,
           dropna=True,
           hue="z",
           scatter_kws={"marker": "D",
                        "s": 100})
plt.title('Histogram of IQ')
plt.xlabel('Time')
plt.ylabel('Deaths')
```

Out[14]:

```
<matplotlib.text.Text at 0x10b4a0850>
```