Untitled

October 6, 2018

```
In [1]: %matplotlib inline
```

```
In [72]: from random import shuffle
         from itertools import chain
         import numpy as np
         import pandas as pd
         import seaborn as sns
```

```
In [115]: from IPython.display import display, HTML
          def pretty_print(df):
              return display( HTML( df.to_html().replace("\\n","<br>") ) )
```

0.1 Load Data

Values were from 1 to 10, with 10 being highest.

```
In [114]: df = pd.read_excel('lean_workshop_evaluations.xlsx')
          df['Liked'] = df.Liked.str.replace(';', '\n')
          pretty_print(df.sort_values('Valuable Topic'))
```

```
<IPython.core.display.HTML object>
```

```
In [13]: sns.regplot(data=df)
```

```
---------------------------------------------------------------------------

TypeError                                 Traceback (most recent call last)

<ipython-input-13-6bb0b67334c0> in <module>()
----> 1 sns.regplot(data=df)


TypeError: regplot() missing 2 required positional arguments: 'x' and 'y'
```

```
In [ ]: np.rando
```

```
In [31]: df_jitter = df.copy()
         for col in df:
             try:
                 df_jitter[col] += np.random.uniform(-0.5, 0.5, len(df[col]))
             except TypeError:
                 pass
```

```
In [42]: g = sns.pairplot(df_jitter, kind='reg');
         g.fig.suptitle('Evaluation Scores for 2018 Lean Workshopt at RTG\n(1-10, 10 Highest)'
         for ax in chain(*g.axes):
             ax.set(xlim=[1, 10], ylim=[1, 10], xticks=[2, 4, 6, 8, 10], yticks=[2, 4, 6, 8, 1
         g.fig.savefig('Lean_Workshop_EvalScores.png', tranparent=True, bbox_inches='tight')
```