2_pivot_crosstab

May 16, 2019

```
In [ ]: import pandas as pd
        import dateutil
```

0.0.1 pivot table

```
In [ ]: df_phone = pd.read_csv("./phone_data.csv")
        df_phone['date'] = df_phone['date'].apply(dateutil.parser.parse, dayfirst=True)
        df_phone.head()
```

```
In [ ]: df_phone.pivot_table(["duration"],
                            index=[df_phone.month,df_phone.item],
                            columns=df_phone.network, aggfunc="sum", fill_value=0)
```

```
In [ ]: df_phone.pivot_table(["duration"],
                            index=[df_phone.month],
                            columns=df_phone.network, aggfunc="sum", fill_value=0)
```

0.0.2 crosstab

```
In [ ]: df_movie = pd.read_csv("data/movie_rating.csv")
        df_movie.head()
```

```
In [ ]: df_movie.pivot_table(["rating"], index=df_movie.critic, columns=df_movie.title,
                            aggfunc="sum", fill_value=0)
```

```
In [ ]: df_movie.pivot_table(["rating"], index=df_movie.critic, columns=df_movie.title,
                            aggfunc="mean", fill_value=0)
```

```
In [ ]: pd.crosstab(index=df_movie.critic,columns=df_movie.title,values=df_movie.rating,
                    aggfunc="first").fillna(0)
```

```
In [ ]: df_movie.groupby(["critic","title"]).agg({"rating":"first"})
```

```
In [ ]: df_movie.groupby(["critic","title"]).agg({"rating":"first"}).unstack().fillna(0)
```

```
In [ ]:
```