

Class 2 Homework Exercises

1. Write the code to create a new dataframe that contains only the non-null values of an existing dataframe df

```
df2 = df.dropna()
```

2. Write the code to find the mean value of a group of three columns 'Travel', 'Groceries' and 'Coffee' in a dataframe df.

```
df.groupby(['Travel', 'Groceries', 'Coffee']).mean()
```

3. Write the code to merge the columns in a dataframe df2 that have the same column headers as those in a dataframe df to df and save it to a third dataframe df3. Set the merge to happen on a column titled 'degree'.

```
df3 = df.merge(df2, how='left', on='degree')
```

4. Can you do the same thing as question 4, but using concatenate? You may need a few extra steps!

```
common_degrees = df2[df2['degree'].isin(df['degree'])].index  
df2_subset = df2.loc[common_degrees]  
df3 =  
pd.concat([df.set_index('degree'), df2_subset.set_index('degree')],  
axis=1)  
df2_subset.set_index('degree')], axis=1)
```