

Missing Values Assignment

1. Reindex the below dataframe to a timeline between 2008 – 2017 and fill out the NaN values.

| | Company A | Company B | Company C |
|---|-----------|-----------|-----------|
| 0 | 12 | 13 | NaN |
| 1 | 24 | NaN | 10 |
| 2 | 34 | 16 | 17 |
| 3 | 43 | 54 | NaN |
| 4 | NaN | NaN | 3 |

2. Consider the below Dataframe.

```
df = pd.DataFrame({'Col1' : [1,np.NaN,3,np.NaN],  
                  'Col2' : [8,9,7,10]})
```

Now, I want to replace the NaN values in Col1 with the mean of values in Col2 if the value is greater than 5. Or else the NaN values should be set to 0. Can you code it for me?

3. In the roedata.csv file, I want to replace all the Negative values in the ROE column reset to 0. How can I do it?
4. In the below dataframe, replace all the NaN values in the First_name, last_name, age and sex using whichever method you find comfortable. Then fill in missing postTestScore values with each sex's mean value of postTestScore.

| | first_name | last_name | age | sex | preTestScore | postTestScore | location |
|---|------------|-----------|------|-----|--------------|---------------|----------|
| 0 | Jason | Miller | 42.0 | m | 4.0 | 25.0 | NaN |
| 1 | NaN | NaN | NaN | NaN | 3.0 | NaN | NaN |
| 2 | Tina | Ali | 36.0 | f | 3.0 | 70.0 | NaN |
| 3 | Jake | Milner | 24.0 | m | 2.0 | 62.0 | NaN |
| 4 | Amy | Cooze | 73.0 | f | 3.0 | 70.0 | NaN |

5. In the below dataframes, I want the NaN values in left dataframe to be replaced with those of right dataframe. How will you do it in a single line?

| | 0 | 1 |
|---|-----|-----|
| 0 | NaN | 2 |
| 1 | 3 | NaN |

| | 0 | 1 |
|---|----|----|
| 0 | 10 | 11 |
| 1 | 12 | 13 |

