Python Seaborn Tutorial Part - 6 and Part - 7

How to draw Sebaorn Barplot / Bar Graph?

Import libraries import seaborn as sns # for data visualization import numpy as np # for numeric computing import matplotlib.pyplot as plt # load dataset from GitHub seaborn repository tips_df = sns.load_dataset("tips") tips_df

	total bill	tip	sex	smoker	day	time	size
0	$\overline{1}6.99$	$1.0\dot{1}$	Female	No	Sun	Dinner	2
1	10.34	1.66	Male	No	Sun	Dinner	3
2	21.01	3.50	Male	No	Sun	Dinner	3
3	23.68	3.31	Male	No	Sun	Dinner	2
4	24.59	3.61	Female	No	Sun	Dinner	4
5	25.29	4.71	Male	No	Sun	Dinner	4
6	8.77	2.00	Male	No	Sun	Dinner	2
7	26.88	3.12	Male	No	Sun	Dinner	4
8	15.04	1.96	Male	No	Sun	Dinner	2
9	14.78	3.23	Male	No	Sun	Dinner	2
10	10.27	1.71	Male	No	Sun	Dinner	2
11	35.26	5.00	Female	No	Sun	Dinner	4
12	15.42	1.57	Male	No	Sun	Dinner	2
13	18.43	3.00	Male	No	Sun	Dinner	4
14	14.83	3.02	Female	No	Sun	Dinner	2
15	21.58	3.92	Male	No	Sun	Dinner	2
16	10.33	1.67	Female	No	Sun	Dinner	2 3 3
17	16.29	3.71	Male	No	Sun	Dinner	3
18	16.97	3.50	Female	No	Sun	Dinner	3 3 2 2
19	20.65	3.35	Male	No	Sat	Dinner	3
20	17.92	4.08	Male	No	Sat	Dinner	2
21	20.29	2.75	Female	No	Sat	Dinner	2
22	15.77	2.23	Female	No	Sat	Dinner	2
23	39.42	7.58	Male	No	Sat	Dinner	4
24	19.82	3.18	Male	No	Sat	Dinner	2
25	17.81	2.34	Male	No	Sat	Dinner	4
26	13.37	2.00	Male	No	Sat	Dinner	2
27	12.69	2.00	Male	No	Sat	Dinner	2
28	21.70	4.30	Male	No	Sat	Dinner	2
29	19.65	3.00	Female	No	Sat	Dinner	2
214	28.17	6.50	Female	Yes	Sat	Dinner	3
215	12.90	1.10	Female	Yes	Sat	Dinner	2
216	28.15	3.00	Male	Yes	Sat	Dinner	5
217	11.59	1.50	Male	Yes	Sat	Dinner	2

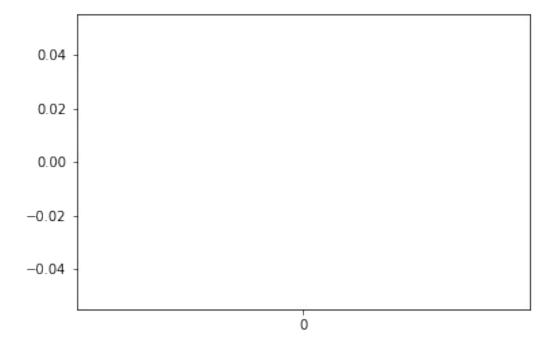
```
218
            7.74
                   1.44
                            Male
                                     Yes
                                            Sat
                                                  Dinner
                                                               2
219
                   3.09
                                                               4
           30.14
                          Female
                                     Yes
                                            Sat
                                                  Dinner
                                                               2
220
           12.16
                   2.20
                            Male
                                     Yes
                                            Fri
                                                   Lunch
                                                               2
221
           13.42
                   3.48
                          Female
                                     Yes
                                            Fri
                                                   Lunch
                                                               1
222
            8.58
                   1.92
                            Male
                                     Yes
                                            Fri
                                                   Lunch
                                                               3
223
           15.98
                   3.00
                          Female
                                       No
                                            Fri
                                                   Lunch
224
                                                               2
           13.42
                   1.58
                            Male
                                     Yes
                                            Fri
                                                   Lunch
                   2.50
                                                               2
225
           16.27
                          Female
                                            Fri
                                     Yes
                                                   Lunch
                                                               2
226
           10.09
                   2.00
                          Female
                                     Yes
                                            Fri
                                                   Lunch
                                                               4
227
           20.45
                   3.00
                            Male
                                            Sat
                                                  Dinner
                                      No
                                                               2
228
           13.28
                   2.72
                            Male
                                       No
                                            Sat
                                                  Dinner
                                                               2
229
           22.12
                   2.88
                          Female
                                     Yes
                                            Sat
                                                  Dinner
                                                               4
230
           24.01
                   2.00
                            Male
                                     Yes
                                            Sat
                                                  Dinner
231
                                                               3
           15.69
                   3.00
                            Male
                                            Sat
                                                  Dinner
                                     Yes
                                                               2
2
232
                   3.39
           11.61
                            Male
                                       No
                                            Sat
                                                  Dinner
233
           10.77
                   1.47
                            Male
                                       No
                                            Sat
                                                  Dinner
                                                               2
234
           15.53
                   3.00
                            Male
                                            Sat
                                                  Dinner
                                      Yes
                                                               2
235
           10.07
                   1.25
                            Male
                                      No
                                            Sat
                                                  Dinner
236
                                                               2
           12.60
                   1.00
                            Male
                                            Sat
                                                  Dinner
                                     Yes
                                                               2
237
           32.83
                   1.17
                            Male
                                     Yes
                                            Sat
                                                  Dinner
238
                   4.67
                                                               3
           35.83
                          Female
                                       No
                                            Sat
                                                  Dinner
239
                                                               3
           29.03
                   5.92
                            Male
                                      No
                                            Sat
                                                  Dinner
                                                               2
240
           27.18
                   2.00
                          Female
                                     Yes
                                            Sat
                                                  Dinner
                                                               2
241
           22.67
                   2.00
                            Male
                                      Yes
                                            Sat
                                                  Dinner
                                                               2
242
           17.82
                   1.75
                            Male
                                            Sat
                                      No
                                                  Dinner
                                                               2
243
           18.78
                   3.00
                          Female
                                           Thur
                                                  Dinner
                                      No
```

[244 rows x 7 columns]

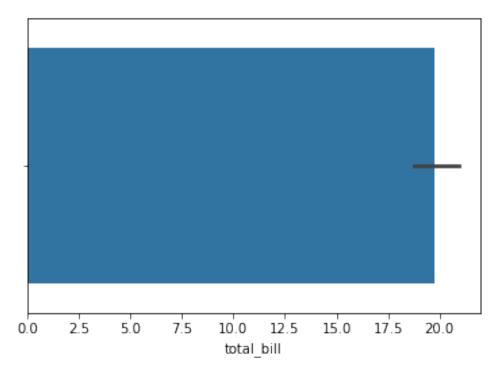
Plot barplot
cnc barplot()

sns.barplot()

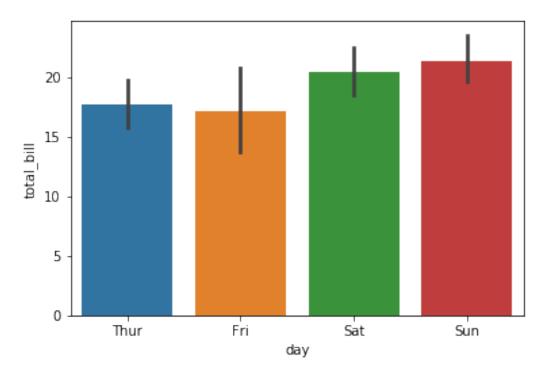
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Plot tips_df.total_bill barplot
sns.barplot(x = tips_df.total_bill)
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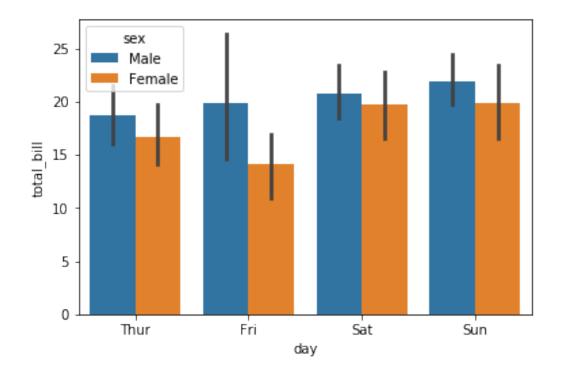


Plot tips_df.day & tips_df.total_bill barplot
sns.barplot(x = tips_df.day, y = tips_df.total_bill)

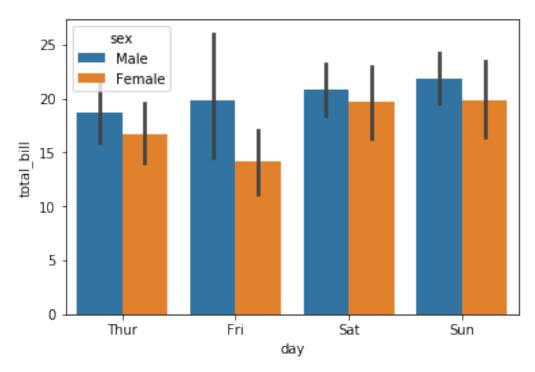


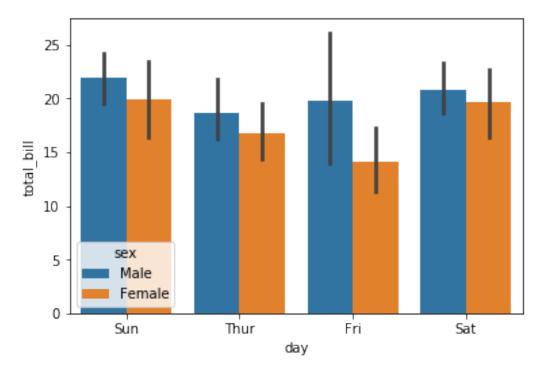
Devide barplot using hue parameter
sns.barplot(x = tips_df.day, y = tips_df.total_bill, hue =
tips_df.sex)

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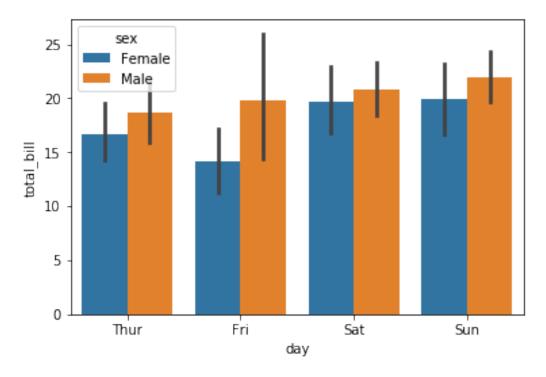
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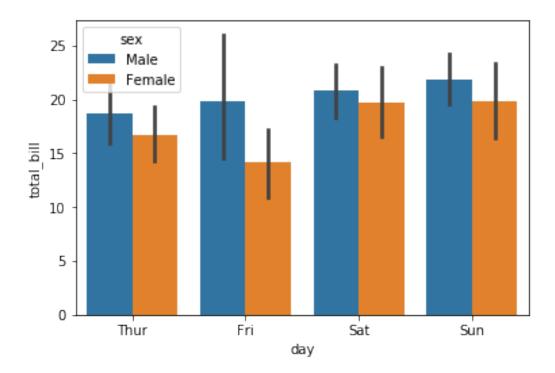


```
#Modify hue order
hue_order = ['Female', 'Male']
```

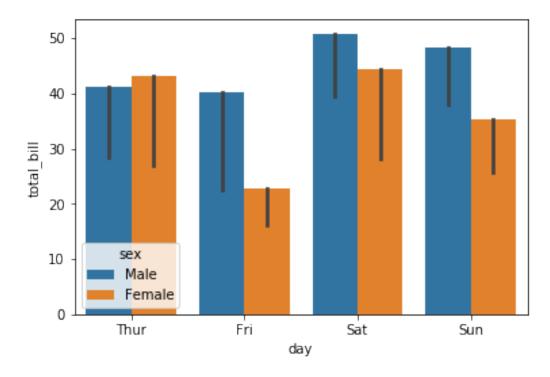
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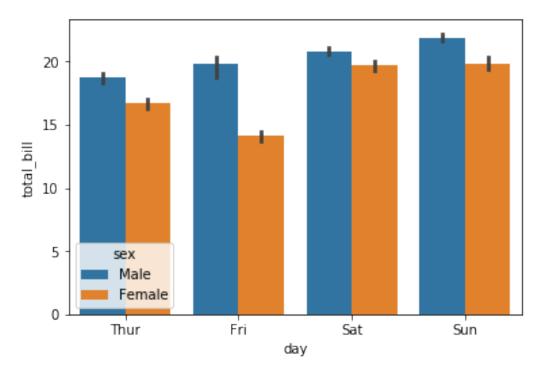
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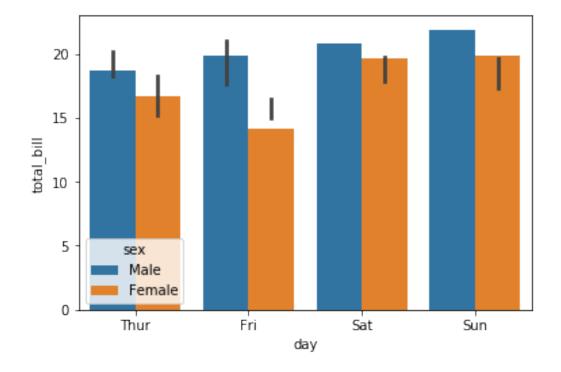
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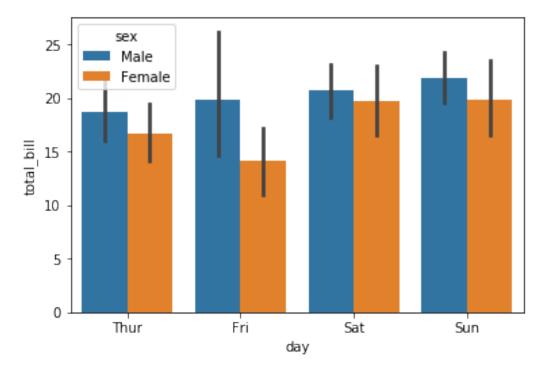
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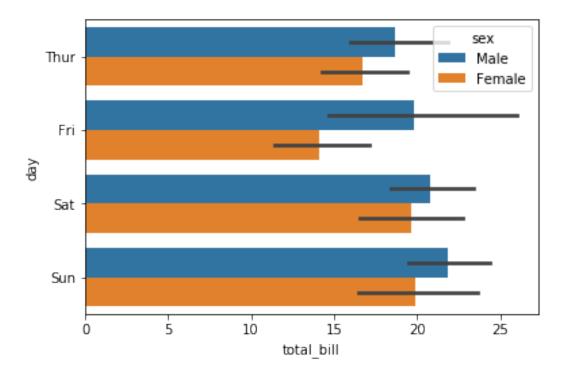
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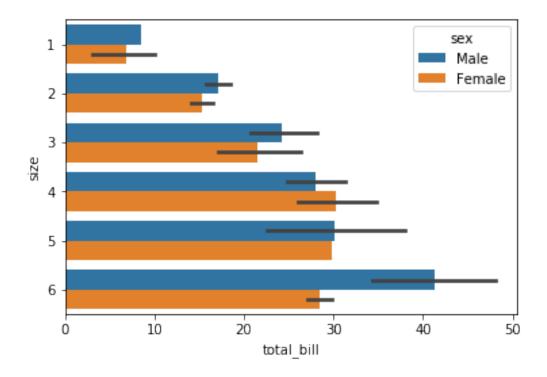
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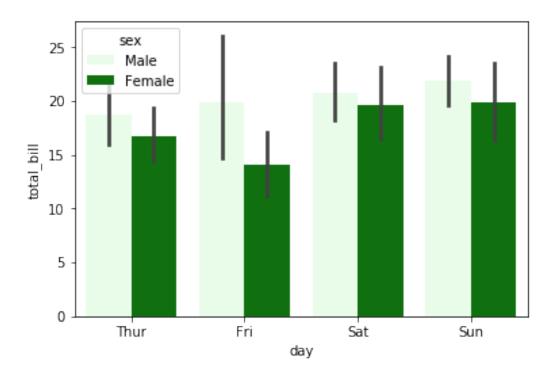
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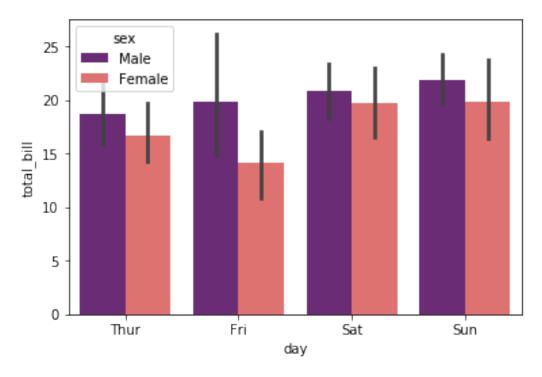
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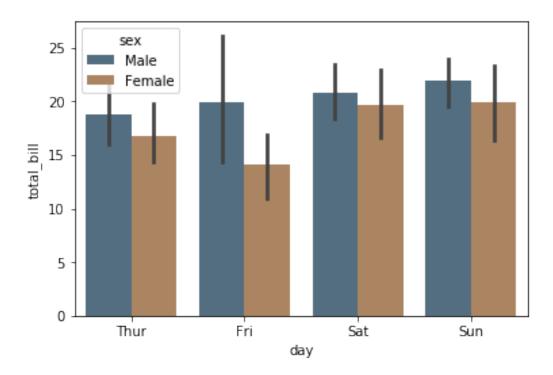
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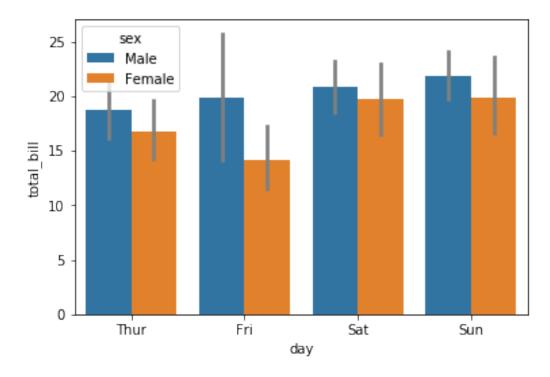
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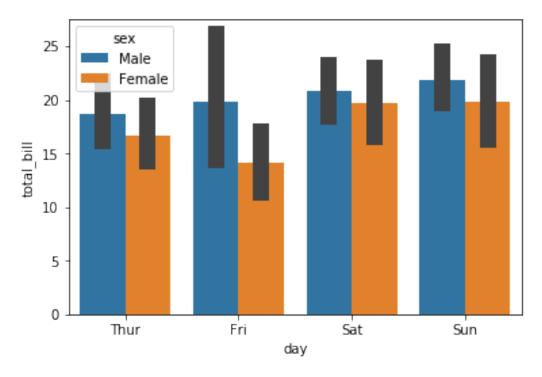
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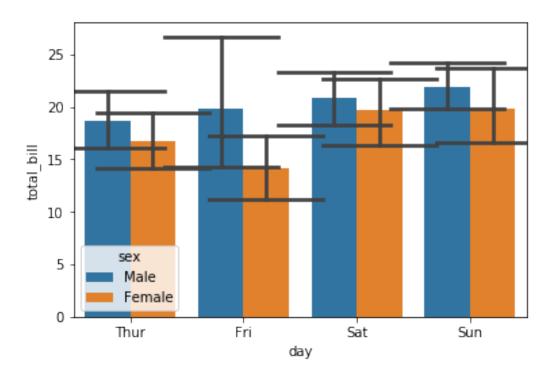
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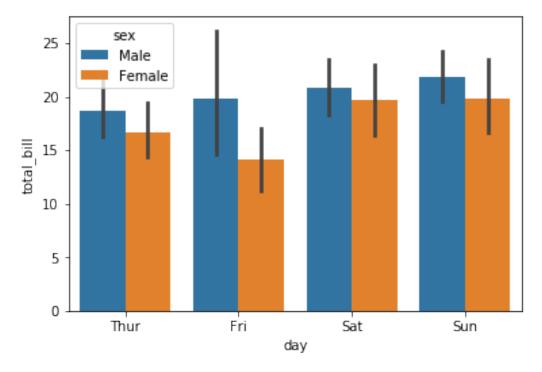
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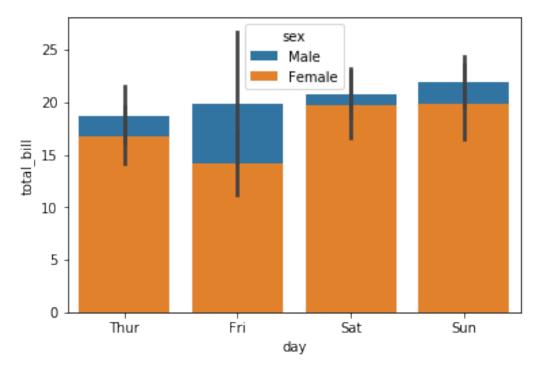
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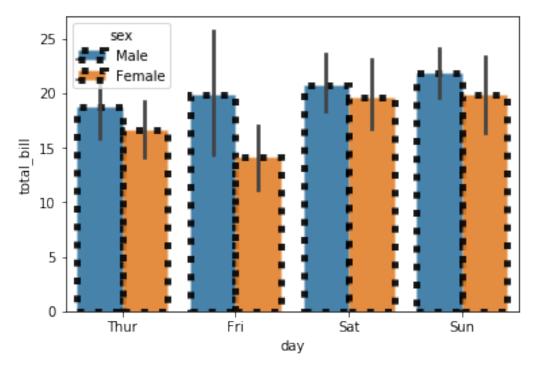


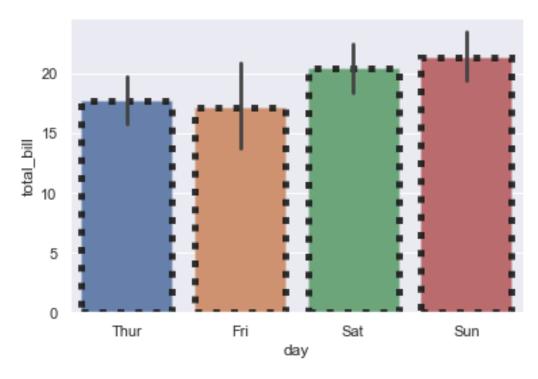
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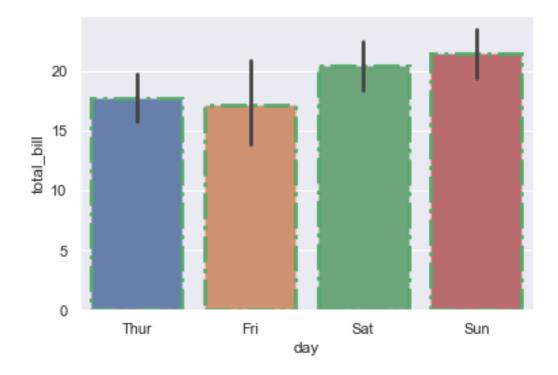
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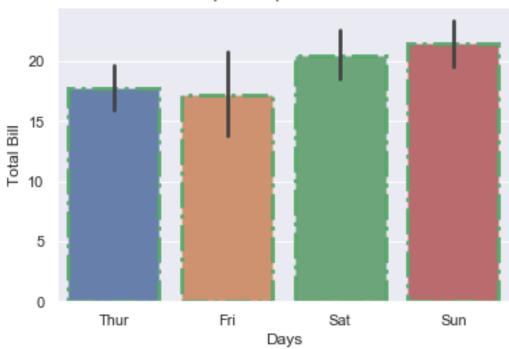


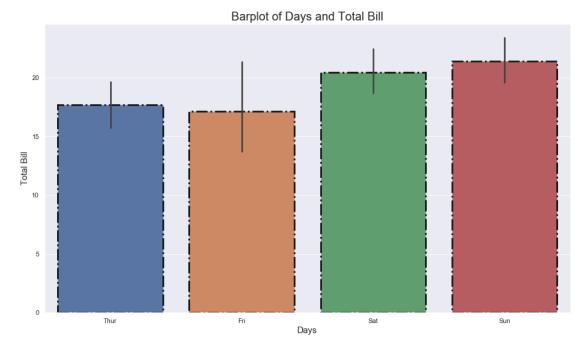


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Barplot of Tips DataFrame





print("Thank you -:)")

Thank you -:)