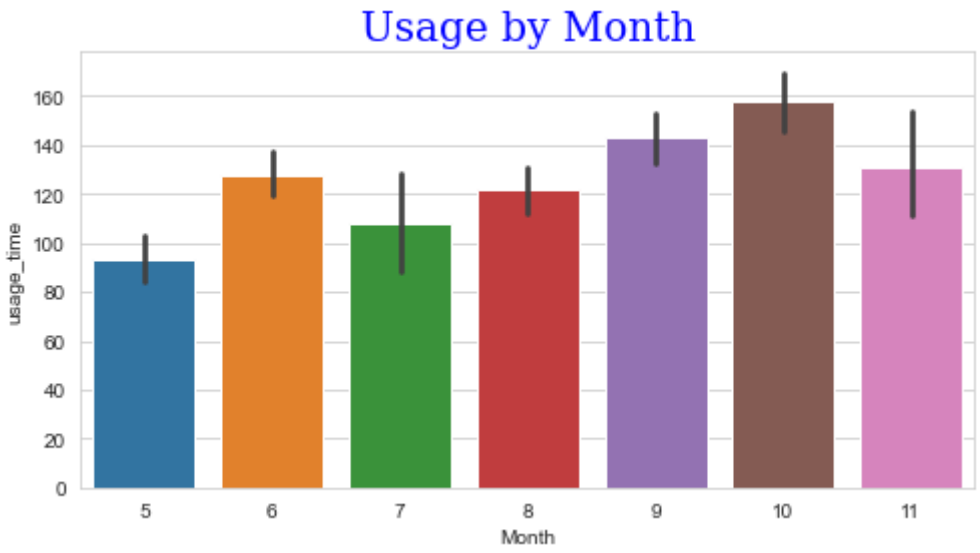
In [129]:

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import os
import statistics
import datetime
from statistics import mode,mean
os.chdir("C:/Data Science")
data = pd.read_csv('internet_session.csv')
friac = pd.to_datetime(data['start_time']).dt.time
print("Most frequent Internet time of the day",mode(friac))
l1 = []
months= []
font1 = {'family':'serif','color':'blue','size':20}
for i in data['start_time']:
 l1.append( datetime.datetime.strptime(i[0:10],"%d-%m-%Y").date())
for j in l1:
 months.append(j.month)
sns.set_style('whitegrid')
plt.figure(figsize=(8,4))
plt.title('Usage by Month',fontdict = font1)
plt.xlabel("Month")
plt.ylabel("Usage time")
sns.barplot(x= months ,y=data['usage_time'])
```

```
Most frequent Internet time of the day 20:27:00
```

Out[129]:

```
<AxesSubplot:title={'center':'Usage by Month'}, xlabel='Month', ylabel='usag
e_time'>
```

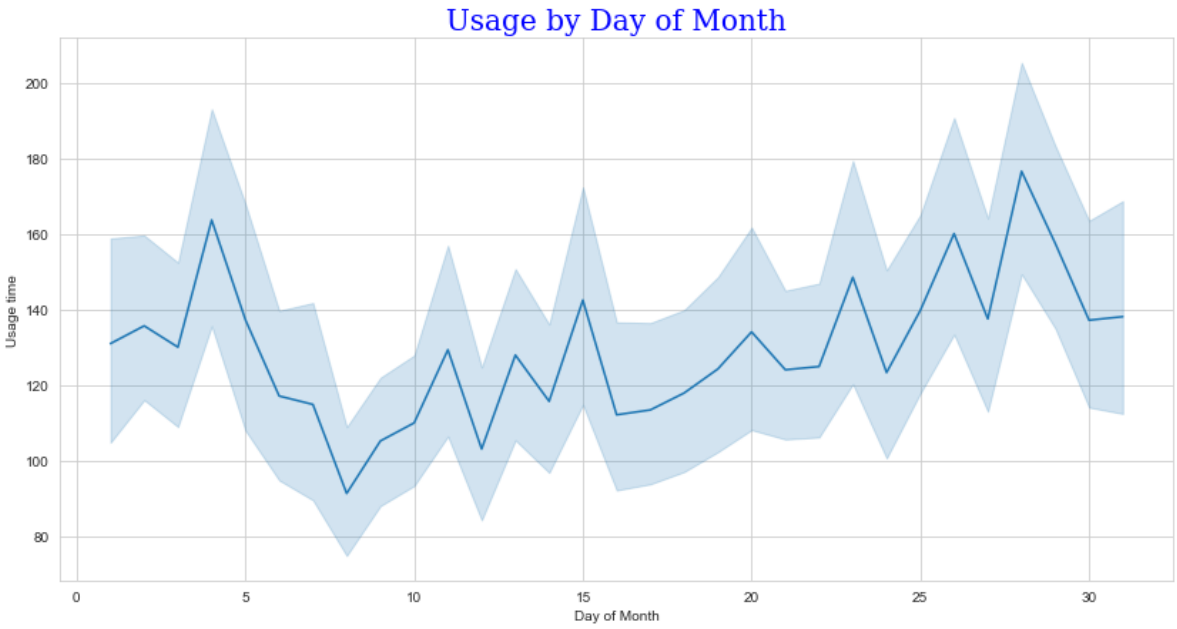


In [128]:

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import os
import statistics
import datetime
from statistics import mode,mean
os.chdir("C:/Data Science")
data = pd.read_csv('internet_session.csv')
k = []
l1 = []
days=[]
for i in data['start_time']:
 l1.append( datetime.datetime.strptime(i[0:10],"%d-%m-%Y").date())
for k in l1:
 days.append(k.day)
sns.set_style('whitegrid')
plt.figure(figsize=(14,7))
plt.title('Usage by Day of Month',fontdict = font1)
plt.xlabel("Day of Month")
plt.ylabel("Usage time")
sns.lineplot(x=days,y=data['usage_time'])
```

Out[128]:

```
<AxesSubplot:title={'center':'Usage by Day of Month'}, xlabel='Day of Mont
h', ylabel='Usage time'>
```

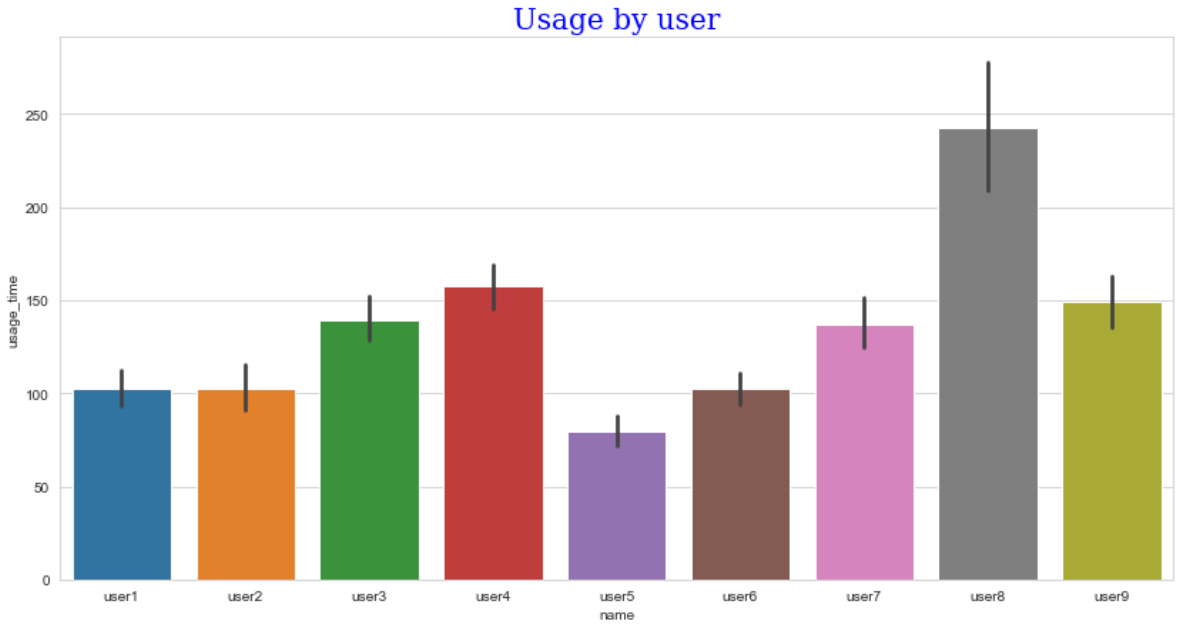


In [119]:

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import os
import statistics
import datetime
from statistics import mode,mean
os.chdir("C:/Data Science")
data = pd.read_csv('internet_session.csv')
sns.set_style('whitegrid')
plt.figure(figsize=(14,7))
plt.title('Usage by user',fontdict = font1)
plt.xlabel("Month")
plt.ylabel("Usage time")
sns.barplot(x=data['name'],y=data['usage_time'])
```

Out[119]:

```
<AxesSubplot:title={'center':'Usage by user'}, xlabel='name', ylabel='usage_
time'>
```



In [ ]: