

```
In [2]: import pandas as pd
```

```
In [17]: data_dict = {'6 AM' : 0 , '7 AM' : 4, '8 AM' : 5 , '9 AM' : 5 , '10 AM' : 5 ,  
                    '11 AM' : 5 , '12 PM' : 4 , '01 PM' : 1 , '02 PM' : 3 , '03 PM' : 4 , '04  
                    '05 PM' : 0 , '06 PM' : 5 , '07 PM' : 4 ,  
                    '08 PM' : 3 , '09 PM' : 4 , '10 PM' : 5 , '11 PM' : 2 }
```

```
In [24]: keys = []  
        values = []  
        for i in data_dict:  
            keys.append(i)  
            values.append(data_dict[i])
```

```
In [25]: keys  
  
        ['6 AM',  
         '7 AM',  
         '8 AM',  
         '9 AM',  
         '10 AM',  
         '11 AM',  
         '12 PM',  
         '01 PM',  
         '02 PM',  
         '03 PM',  
         '04 PM',  
         '05 PM',  
         '06 PM',  
         '07 PM',  
         '08 PM',  
         '09 PM',  
         '10 PM',  
         '11 PM']
```

```
In [26]: values  
  
        [0, 4, 5, 5, 5, 5, 4, 1, 3, 4, 4, 0, 5, 4, 3, 4, 5, 2]
```

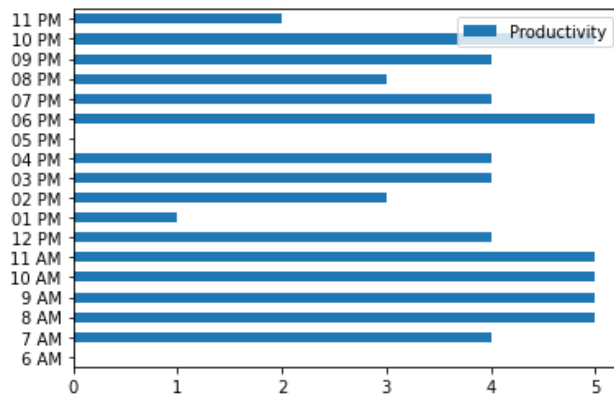
```
In [43]: data = pd.DataFrame(values, index=keys, columns=['Productivity'])
```

```
In [44]: data.head()
```

	Productivity
6 AM	0
7 AM	4
8 AM	5
9 AM	5
10 AM	5

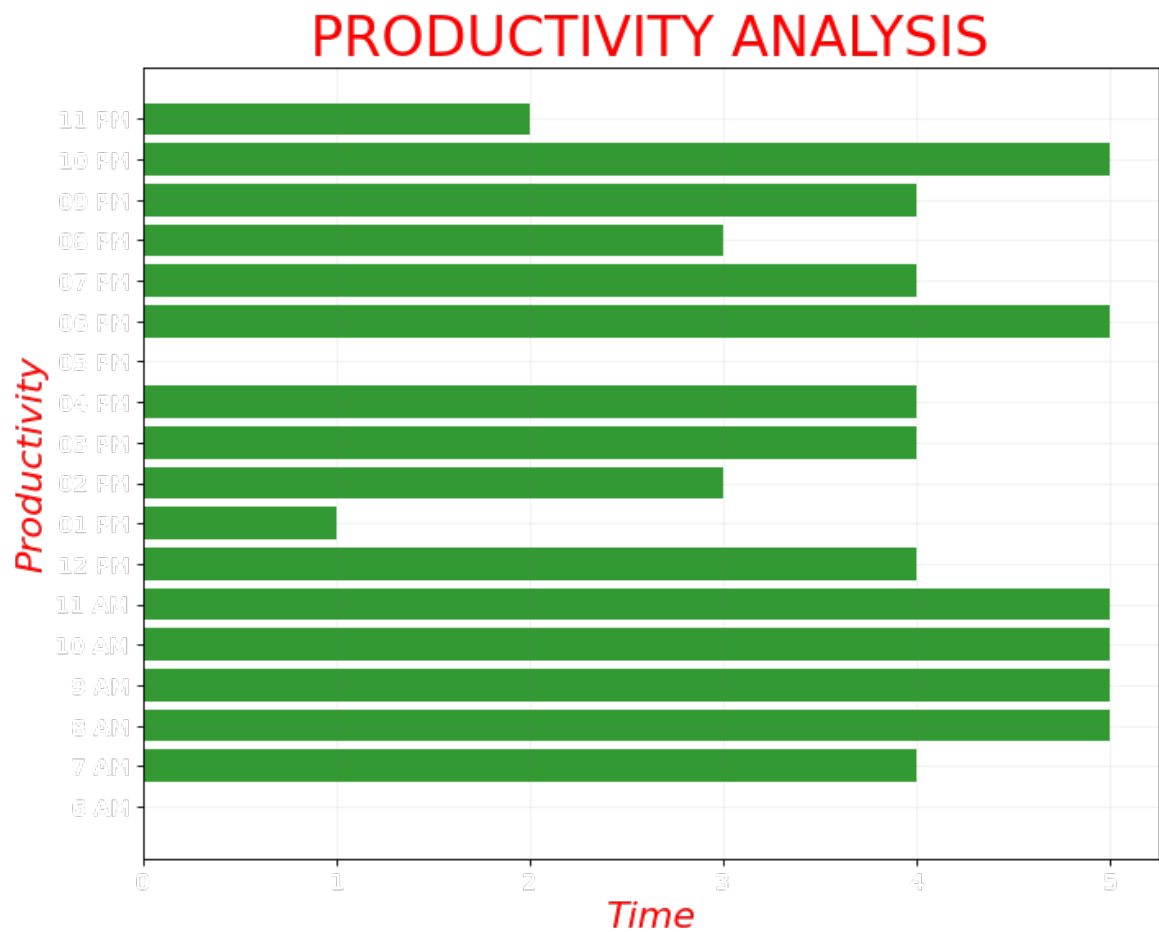
```
In [45]: data.plot(kind = 'barh')
```

<AxesSubplot:>



```
In [46]: import matplotlib.pyplot as plt
```

```
In [73]: plt.figure(figsize=(10,8),dpi=80)
plt.barh(data.index,data.Productivity,color = 'g',alpha = 0.8)
plt.grid(color = 'grey',alpha = 0.1)
plt.xlabel('Time',color = 'red',size = 20,style = 'oblique')
plt.ylabel('Productivity',color = 'red',size = 20,style = 'oblique')
plt.xticks(color = 'white',size = 13)
plt.yticks(color = 'white',size = 13)
plt.title('PRODUCTIVITY ANALYSIS',color = 'red',size = 30,style = 'normal')
plt.show()
```



```
In [ ]:
```