

# Histogram using distplot seaborn

```
In [96]: import matplotlib.pyplot as plt
import seaborn as sns
import pandas as pd
from scipy.stats import norm
```

## using gihub

```
In [13]: # tips_df=sns.load_dataset("tips")
# tips.head()
```

```
In [14]: data=pd.read_csv("Startups.csv")
data.head()
```

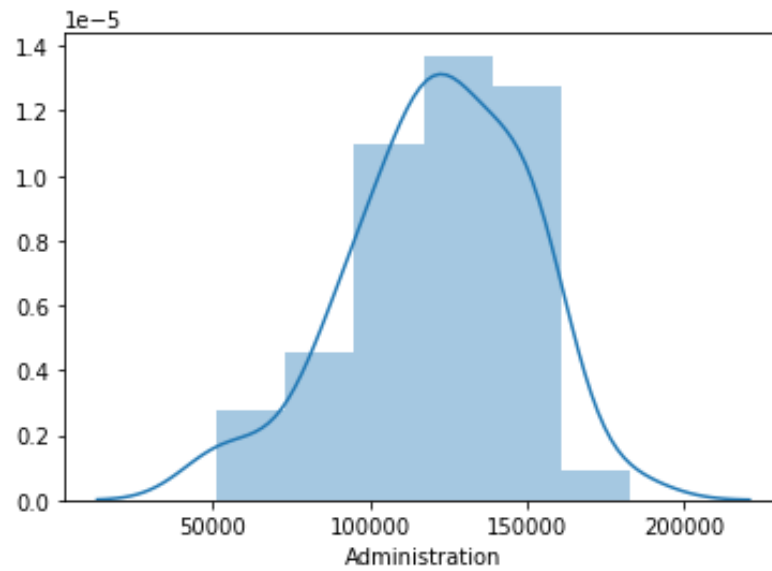
Out[14]:

	R&D Spend	Administration	Marketing Spend	State	Profit
0	165349.20	136897.80	471784.10	New York	192261.83
1	162597.70	151377.59	443898.53	California	191792.06
2	153441.51	101145.55	407934.54	Florida	191050.39
3	144372.41	118671.85	383199.62	New York	182901.99
4	142107.34	91391.77	366168.42	Florida	166187.94

```
In [15]: # sns.distplot(  
#         a,#   wich are give you to  groph data  
#         bins=None,  
#         hist=True,  
#         kde=True,  
#         rug=False,  
#         fit=None,  
#         hist_kws=None,  
#         kde_kws=None,  
#         rug_kws=None,  
#         fit_kws=None,  
#         color=None,  
#         vertical=False,  
#         norm_hist=False,  
#         axlabel=None,  
#         label=None,  
#         ax=None,  
#     )
```

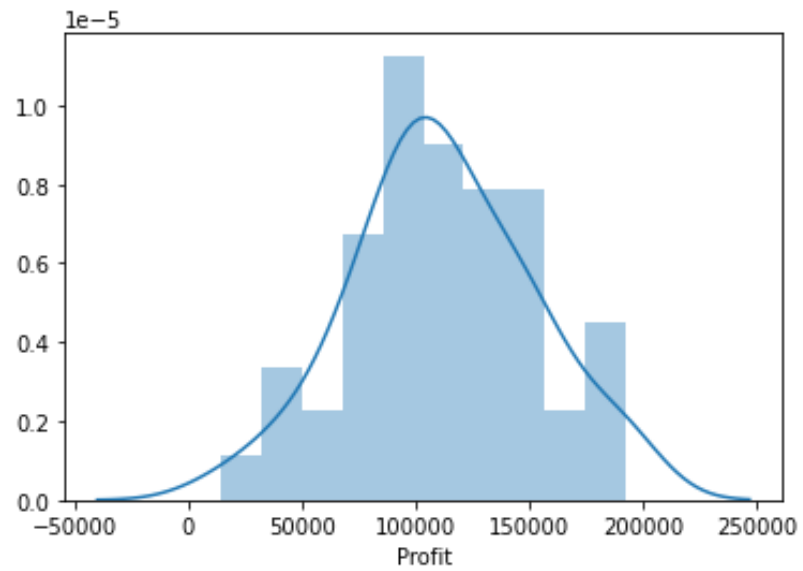
```
In [16]: sns.distplot(data["Administration"])
```

```
Out[16]: <AxesSubplot:xlabel='Administration'>
```



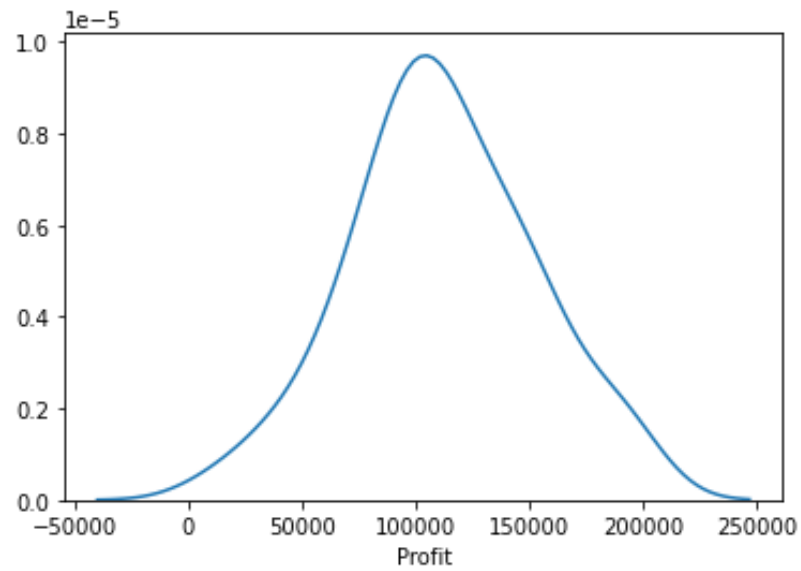
```
In [17]: sns.distplot(data["Profit"],bins=10)
```

```
Out[17]: <AxesSubplot:xlabel='Profit'>
```



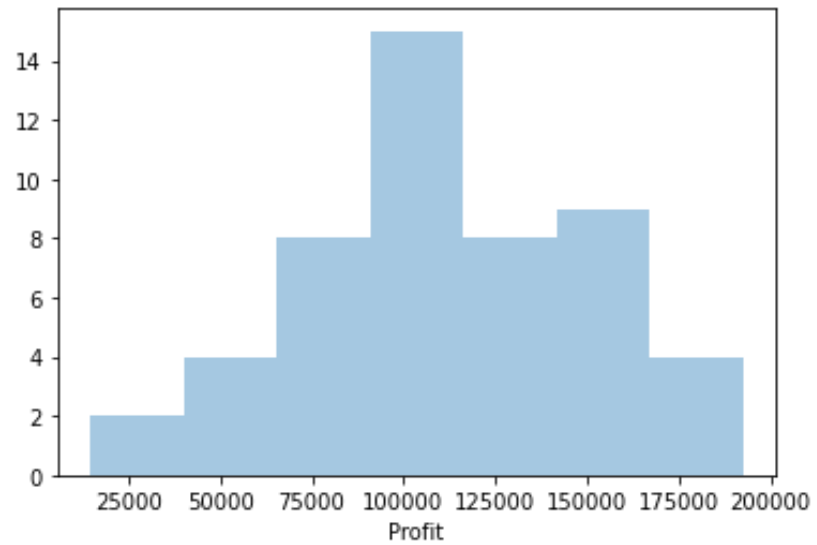
```
In [20]: sns.distplot(data["Profit"], hist=False)
```

```
Out[20]: <AxesSubplot:xlabel='Profit'>
```



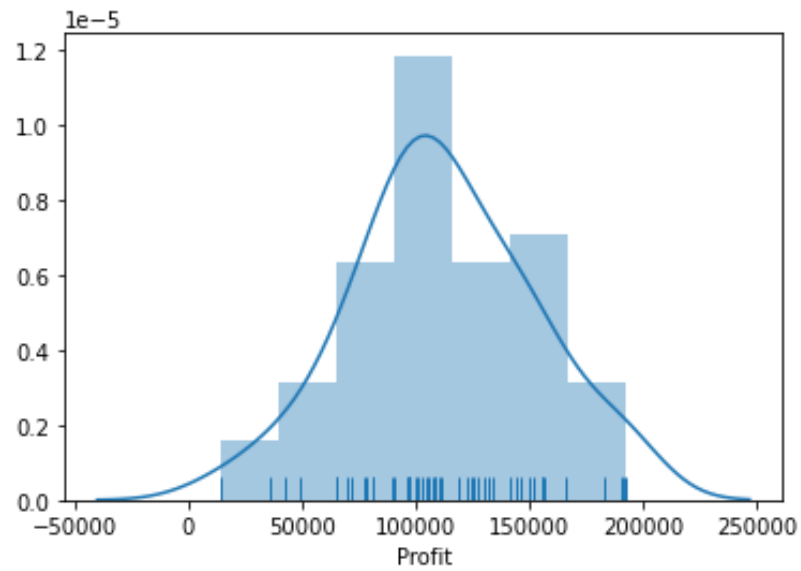
```
In [22]: sns.distplot(data["Profit"],kde=False)
```

```
Out[22]: <AxesSubplot:xlabel='Profit'>
```



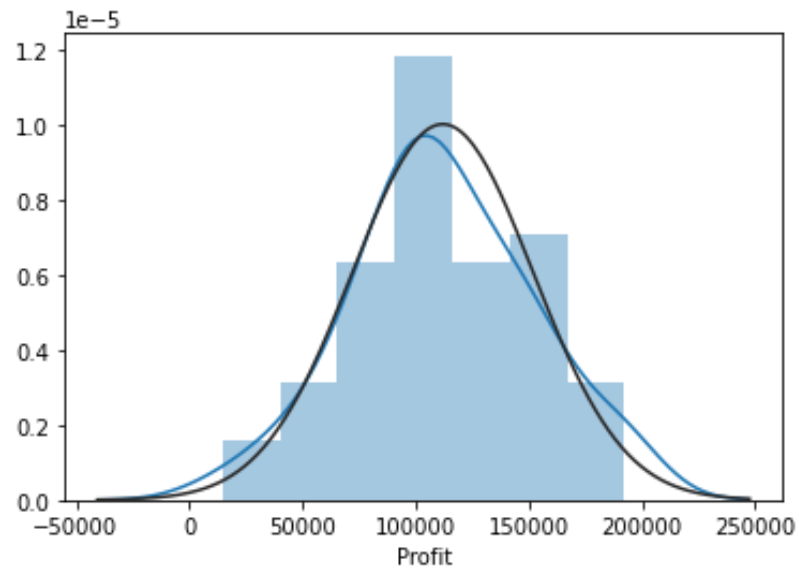
```
In [24]: sns.distplot(data["Profit"], rug=True)
```

```
Out[24]: <AxesSubplot:xlabel='Profit'>
```



```
In [18]: sns.distplot(data["Profit"], fit=norm,)
```

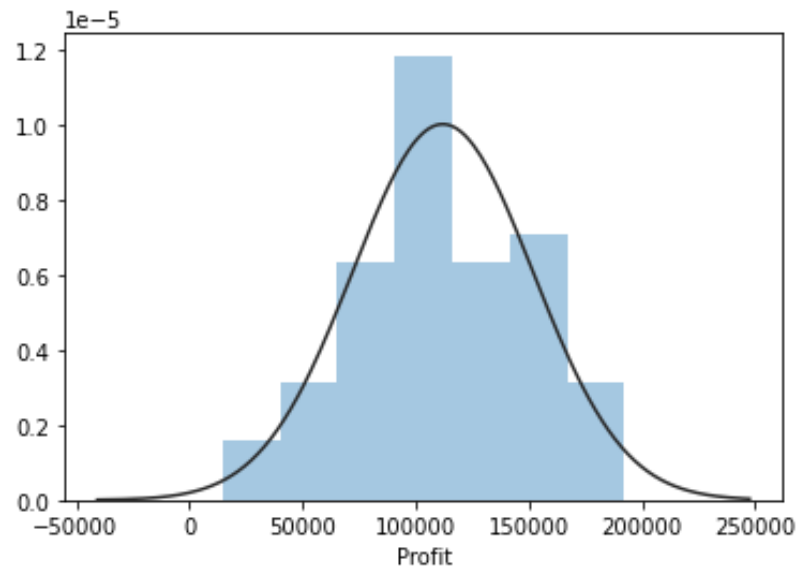
```
Out[18]: <AxesSubplot:xlabel='Profit'>
```





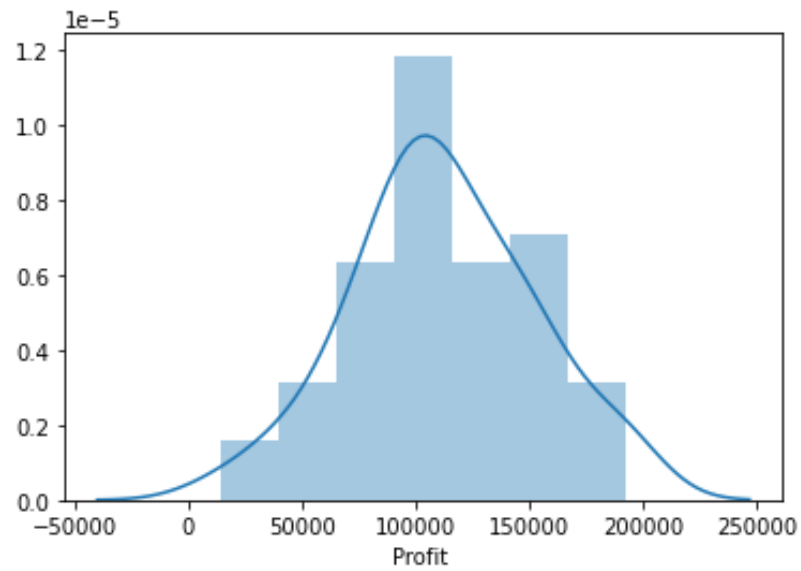
```
In [26]: sns.distplot(data["Profit"], fit=norm, kde=False)
```

```
Out[26]: <AxesSubplot:xlabel='Profit'>
```



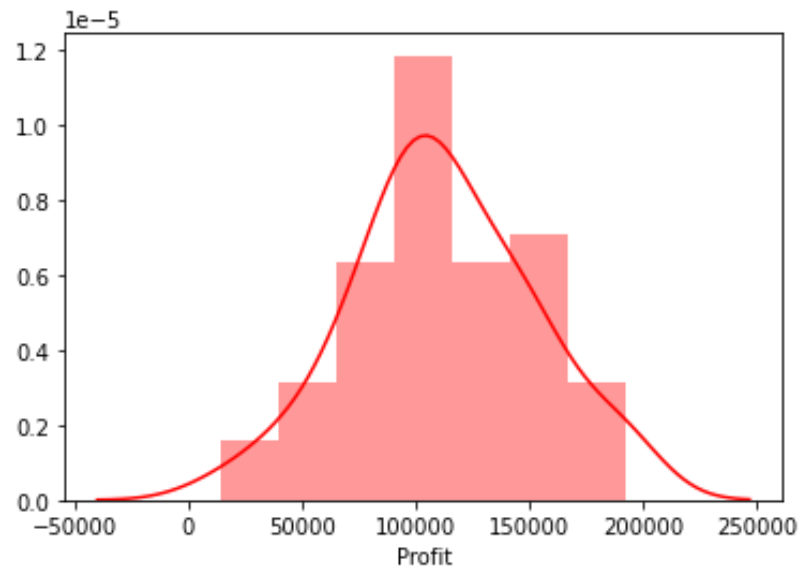
```
In [29]: sns.distplot(data["Profit"],axlabel="Profit ")
```

```
Out[29]: <AxesSubplot:xlabel='Profit ' >
```



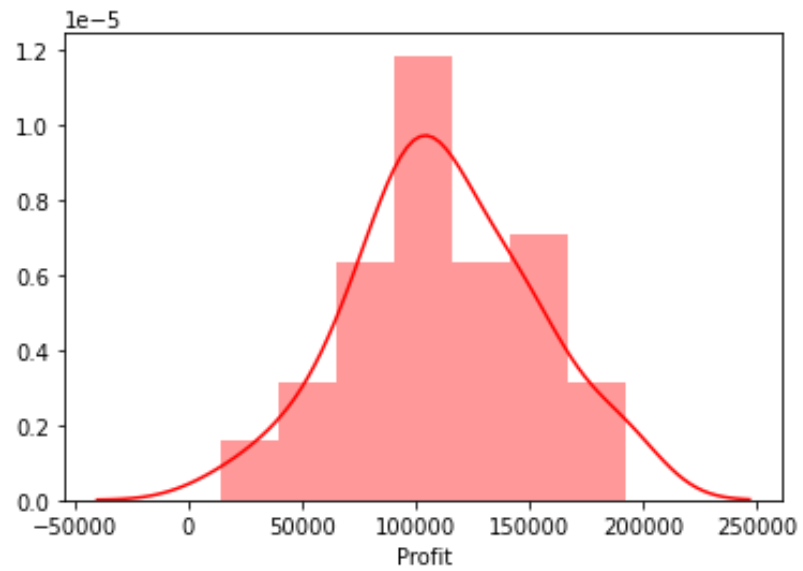
```
In [31]: sns.distplot(data["Profit"],axlabel="Profit",color="red",)
```

```
Out[31]: <AxesSubplot:xlabel='Profit'>
```



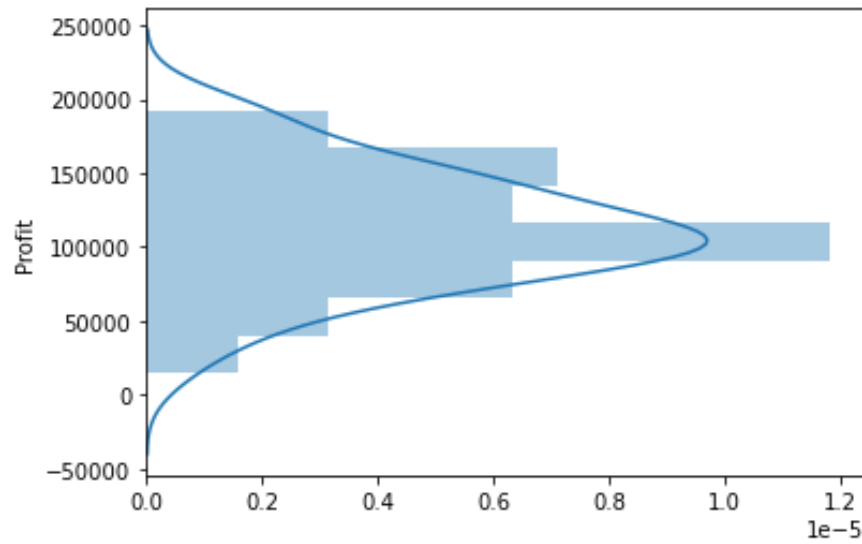
```
In [37]: sns.distplot(data["Profit"],axlabel="Profit",color="red")
```

```
Out[37]: <AxesSubplot:xlabel='Profit'>
```



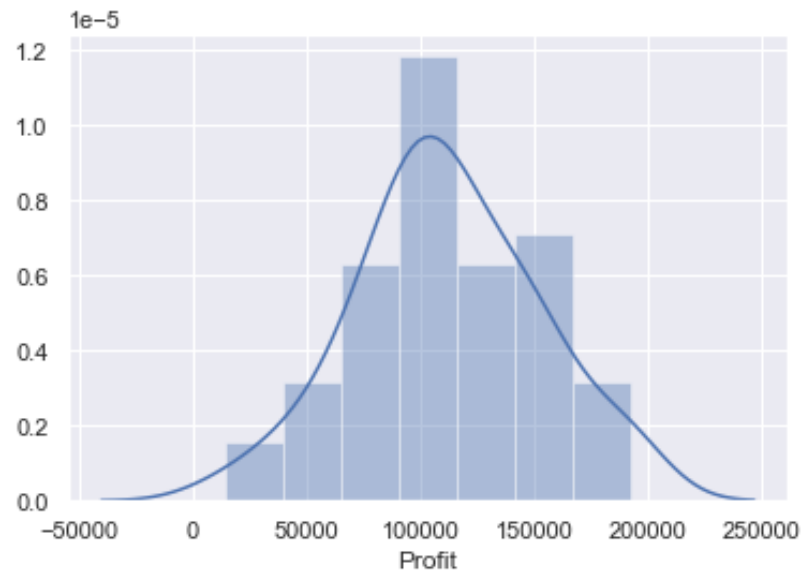
```
In [39]: sns.distplot(data["Profit"],vertical=True,)
```

```
Out[39]: <AxesSubplot:ylabel='Profit'>
```



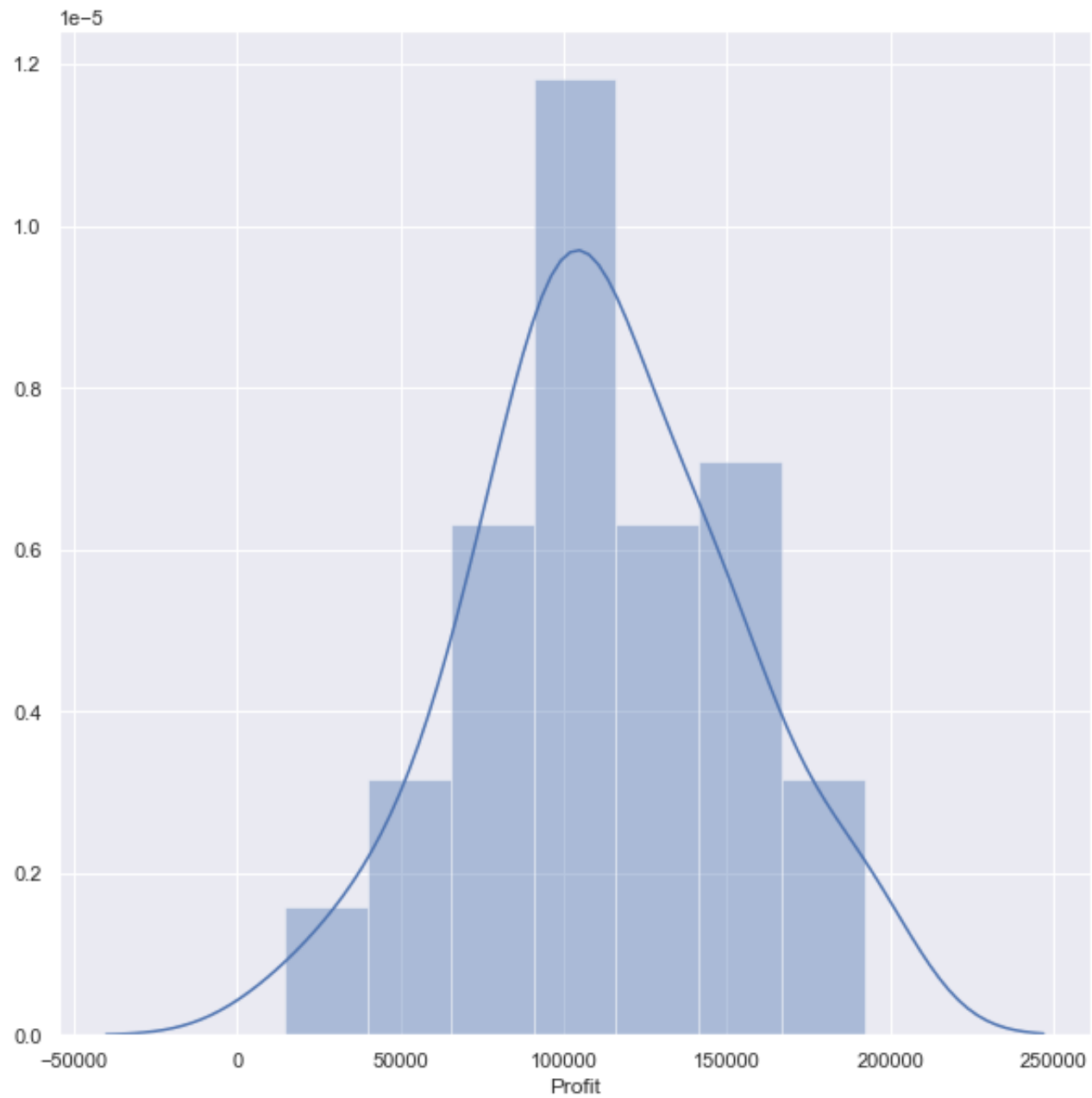
```
In [41]: sns.set()  
sns.distplot(data["Profit"])
```

```
Out[41]: <AxesSubplot:xlabel='Profit'>
```



```
In [45]: plt.figure(figsize=(10,10))  
sns.set()  
sns.distplot(data["Profit"],)
```

```
Out[45]: <AxesSubplot:xlabel='Profit'>
```





```
In [55]: # bins1=[1,5,10,15,20,25,30,35,40,45,50]

# # plt.figure(figsize=(10,10))

# sns.set()

# sns.distplot(data["Profit"],bins = bins1)

# plt.xticks(bins)
```

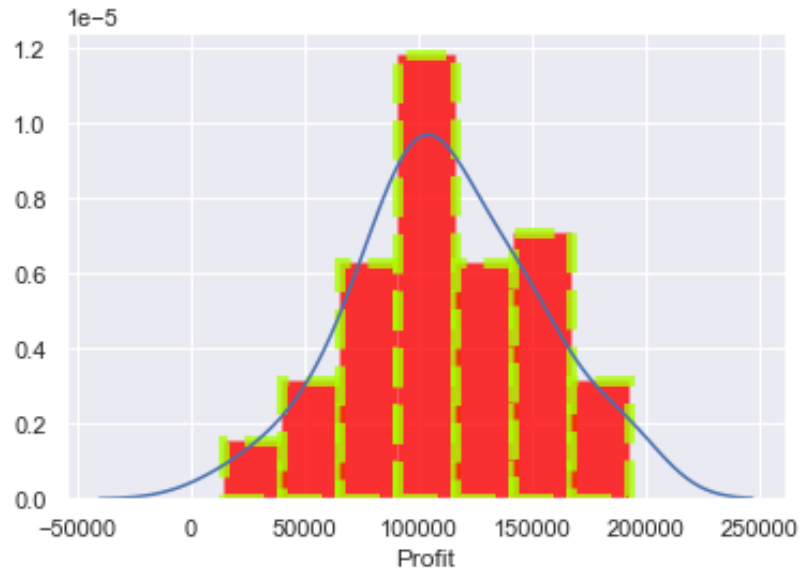
```
In [ ]: # hist_kws=None,

#     kde_kws=None,
#     rug_kws=None,
#     fit_kws=None,
```

In [70]:

```
sns.distplot(data["Profit"], hist_kws={'color': 'red', 'edgecolor': "#aaff00",  
                                       "linewidth": 5, "linestyle": '--', 'alpha': 0.8},  
             kde_kws=None,  
             rug_kws=None,  
             fit_kws=None)
```

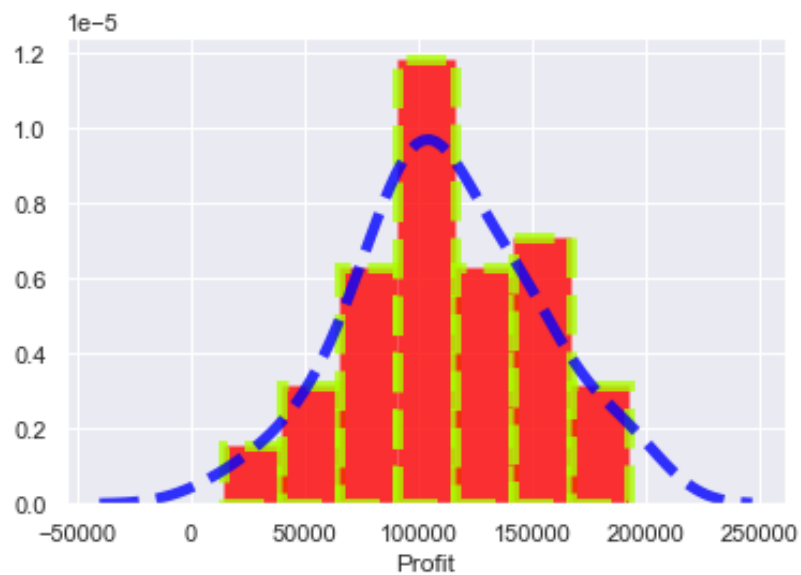
Out[70]: &lt;AxesSubplot:xlabel='Profit'&gt;



In [74]:

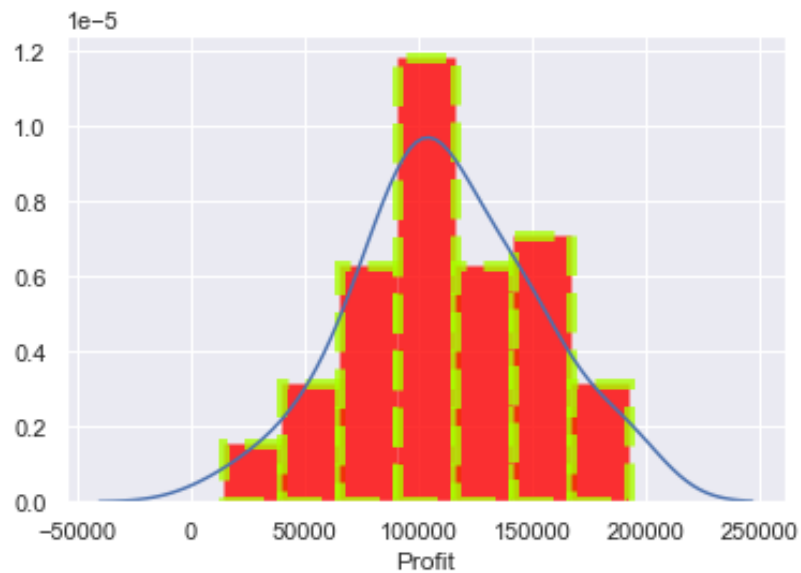
```
sns.distplot(data["Profit"], hist_kws={'color': 'red', 'edgecolor': "#aaff00",  
                                       "linewidth": 5, "linestyle": '--', 'alpha': 0.8},  
             kde_kws={'color': 'blue',  
                      "linewidth": 5, "linestyle": '--', 'alpha': 0.8},  
             rug_kws=None,  
             fit_kws=None)
```

Out[74]: &lt;AxesSubplot:xlabel='Profit'&gt;



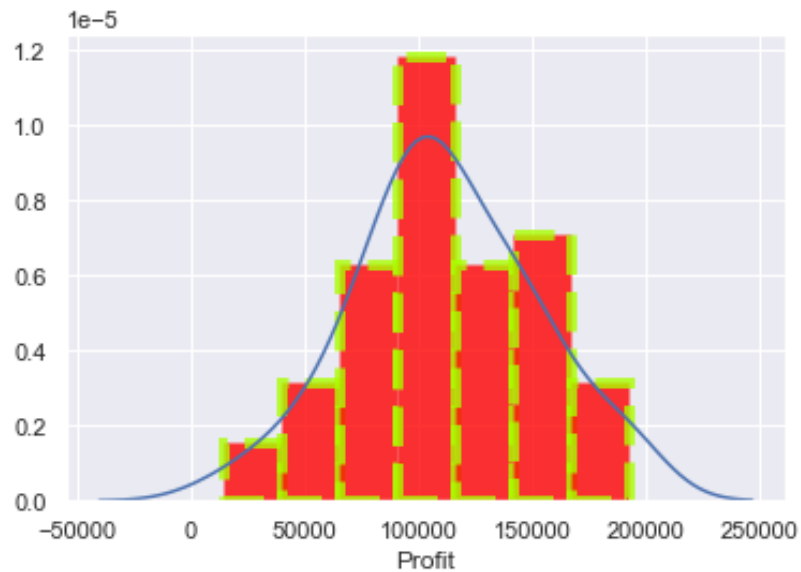
```
In [81]: sns.distplot(data["Profit"], hist_kws={'color': 'red', 'edgecolor': "#aaff00",  
                                                "linewidth": 5, "linestyle": '--', 'alpha': 0.8},  
                  kde_kws = None,  
                  rug_kws={'color': 'blue', 'edgecolor': "#aaff00",  
                           "linewidth": 13, "linestyle": '--', 'alpha': 0.15},  
                  fit_kws=None)
```

Out[81]: <AxesSubplot:xlabel='Profit'>



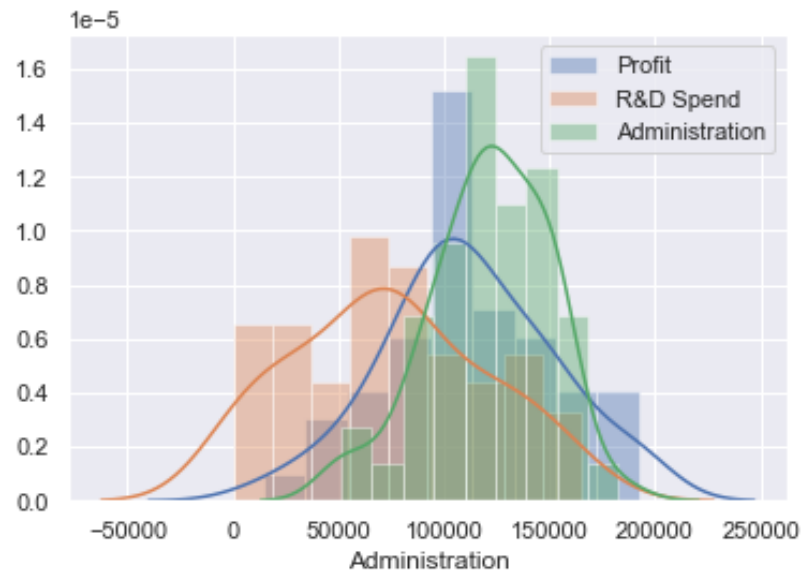
```
In [95]: sns.distplot(data["Profit"], hist_kws={'color': 'red', 'edgecolor': "#aaff00",
                                                "linewidth": 5, "linestyle": '--', 'alpha': 0.8},
                    rug_kws={'color': 'blue', 'edgecolor': "#aaff00",
                              "linewidth": 13, "linestyle": '--', 'alpha': 0.15},
                    fit_kws={'color': 'blue', 'edgecolor': "#aaff00",
                              "linewidth": 13, "linestyle": '--', 'alpha': 0.9})
```

Out[95]: <AxesSubplot:xlabel='Profit'>



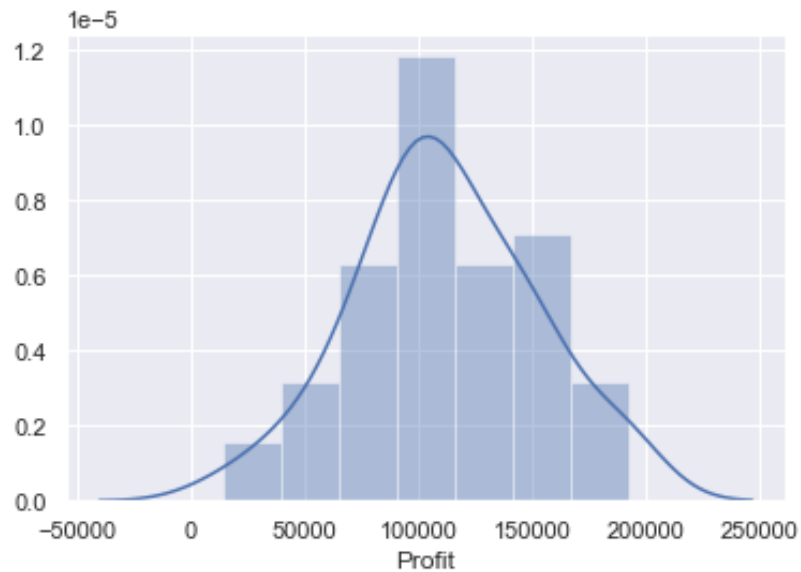
```
In [93]: sns.distplot(data["Profit"],bins=9,label="Profit",)
sns.distplot(data["R&D Spend"],bins=9,label="R&D Spend")
sns.distplot(data["Administration"],bins=9,label="Administration")# R&D Spend Administration\
plt.legend()
```

Out[93]: <matplotlib.legend.Legend at 0x64b11a8>



```
In [94]: sns.distplot(data["Profit"])
```

```
Out[94]: <AxesSubplot:xlabel='Profit'>
```



```
In [ ]:
```

