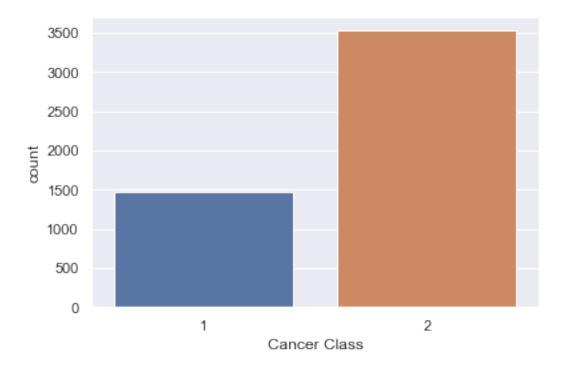
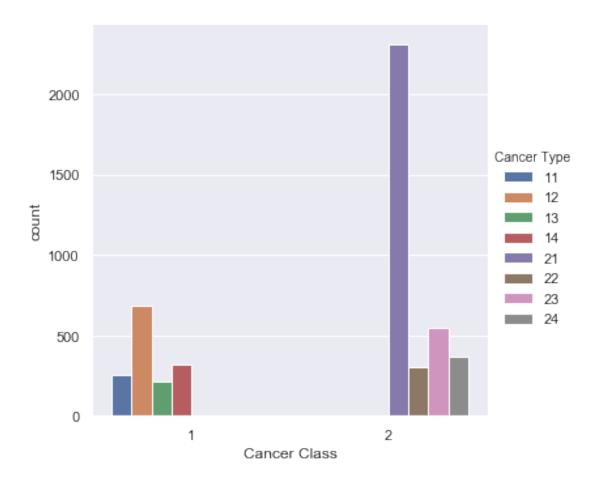
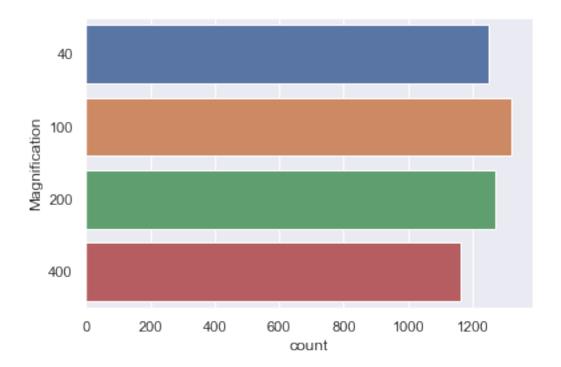
## Exploratory\_Data\_Analysis

February 15, 2019

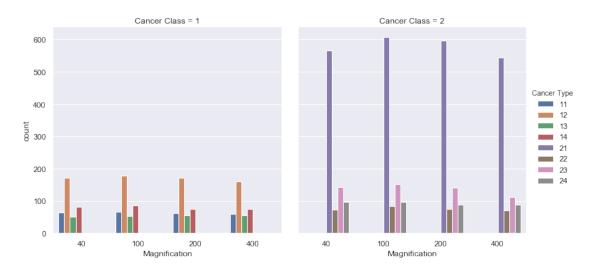
```
Import Library
In [1]: import pandas as pd
        import numpy as np
        import seaborn as sb
        sb.set(style="darkgrid")
        import matplotlib.pyplot as plt
  Loading Numpy Array
In [2]: # Train Arrays
       data_cancerclass_train=np.load("train/data_cancerclass_train.npy")
        data_cancertype_train=np.load("train/data_cancertype_train.npy")
        data_mag_train=np.load("train/data_mag_train.npy")
        # Test Arrays
        data_cancerclass_test=np.load("test/data_cancerclass_test.npy")
        data_cancertype_test=np.load("test/data_cancertype_test.npy")
        data_mag_test=np.load("test/data_mag_test.npy")
   Train Arrays Visualization
In [3]: train_df=pd.DataFrame({'Cancer Class':data_cancerclass_train,
                              'Cancer Type':data_cancertype_train,
                              'Magnification':data_mag_train})
1.1 Cancer Class
In [4]: ax = sb.countplot(x="Cancer Class", data=train_df)
        fig=ax.get_figure()
        fig.savefig("Train Cancer Class.png")
```







ax.savefig("Train Cancer Type with Magnification using Cancer Class.png")



## 2 Test Arrays Visualization

## 2.1 Cancer Class

