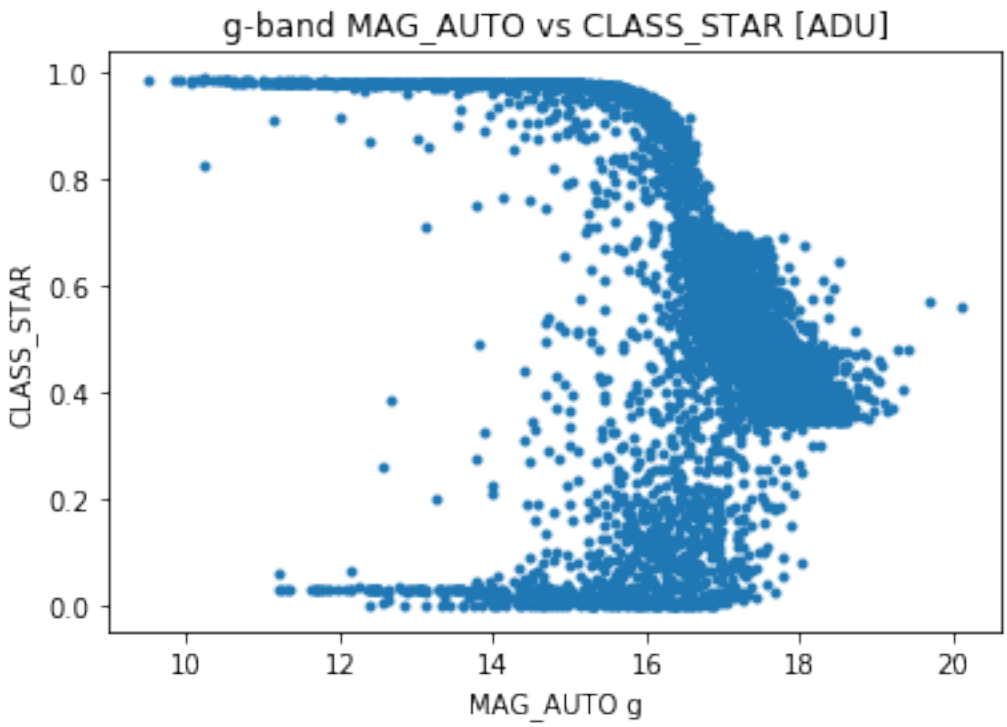
SExtractor_Plots

June 2, 2018

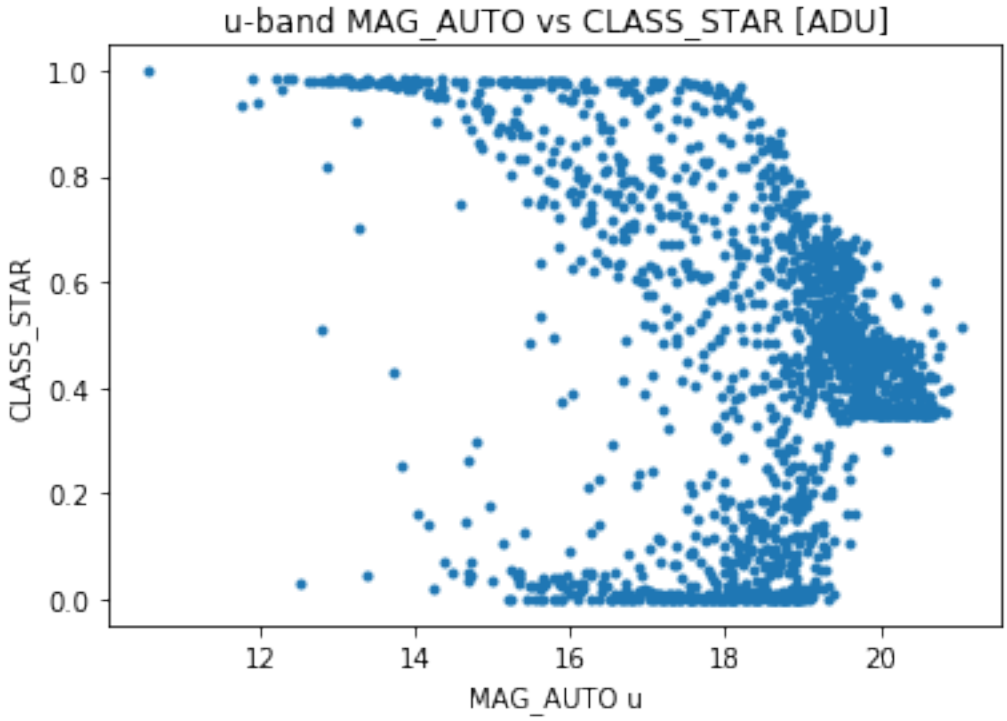
In [2]:
```
##Import the packages
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

In [ ]:

In [25]:
```
## g band filter catalog plots ADUs
## FWHM = 1.621
#Importing the catalog into DataFrame
g8_ADU_catalog_data = pd.read_table('g8_filter_ADU.cat', sep = '\s+')

plt.plot(g8_ADU_catalog_data['MAG_AUTO'],g8_ADU_catalog_data['CLASS_STAR']
plt.xlabel('MAG_AUTO g')
plt.ylabel('CLASS_STAR')
plt.title("g-band MAG_AUTO vs CLASS_STAR [ADU]")
plt.show()
```



In [21]:
```
u6_ADU_catalog_data = pd.read_table('u6_filter_ADU.cat', sep = '\s+')

plt.plot(u6_ADU_catalog_data['MAG_AUTO'],u6_ADU_catalog_data['CLASS_STAR']
plt.xlabel('MAG_AUTO u')
plt.ylabel('CLASS_STAR')
plt.title("u-band MAG_AUTO vs CLASS_STAR [ADU]")

plt.show()
```



In [ ]:

In [ ]: