```
ASII
          %config Completer.use iedi = False
In [2]:
          # Import Libraries and Load Dataset
          import pandas as pd
          import matplotlib.pyplot as plt
          import seaborn as sns
          sns.set_style("whitegrid")
          ASII = pd.read csv('ASII.JK.csv', parse dates=True, squeeze=True)
          df = ASII.copy()
         # Exploratory Data Analysis
          df['Date'] = pd.to_datetime(df['Date'])
          df['Year'] = df['Date'].dt.year
          df['Month'] = df['Date'].dt.month_name()
newdf = df.iloc[2335:][['Year', 'Month', 'Close']]
          newdf = newdf.reset index()
          newdf.rename({'Close': 'ASII'}, axis=1, inplace=True)
          mydata = newdf.groupby(['Year', 'Month'])[['ASII']].mean()
          result = mydata.unstack()
          result = result.droplevel(0, axis=1)
          result = result[['January', 'February', 'March', 'April', 'May', 'June', 'July', 'Augus
          result = result.transpose()
In [4]:
          result.style.highlight min(color = 'lightgreen', axis = 0)
Out[4]:
                          2010
                                      2011
                                                  2012
                                                              2013
                                                                         2014
                                                                                     2015
                                                                                                 2016
               Year
             Month
            January 3512.750000 4926.428571 7718.095238 7638.095238 6777.500000 7446.428571 6011.250000
           February 3547.368421 5013.055556 7333.809524 7727.500000 6655.000000 7818.421053 6675.000000
```

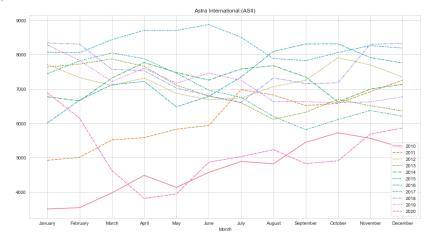
```
March 3979.545455 5521.086957 7102.142857 7876.315789 7317.500000 8052.272727 7126.190476
    April 4489.523810 5586.750000 7321.750000 7661.363636 7772.619048 7882.142857 7223.809524
     May 4139.736842 5832.142857 6875.00000 7111.363636 7480.555556 7459.210526 6483.750000
    June 4576.136364 5941.500000 6689.285714 6794.736842 7260.714286 6969.047619 6789.772727
     July 4892.045455 6984.250000 6736.363636 6600.000000 7588.157895 6757.894737 7350.000000
   August 4825.714286 6827.105263 7071.052632 6120.588235 7680.000000 6203.750000 8093.181818
September 5450.588235 6519.750000 7255.000000 6323.809524 7351.136364 5816.666667 8311.904762
  October 5728.33333 6583.809524 7913.636364 6700.000000 6625.000000 6110.714286 8315.476190
November 5566.428571 6923.409091 7702.500000 6515.000000 7001.250000 6377.380952 7917.045455
December 5290.500000 7258.571429 7350.000000 6363.157895 7138.750000 6206.250000 7760.000000
```

Data Visualization

2/1/2021 ASII

```
f, ax = plt.subplots(figsize=(15,8))
sns.lineplot(data=result)
plt.legend(loc='lower right')
plt.title('Astra International (ASII)')
```

Out[5]: Text(0.5, 1.0, 'Astra International (ASII)')



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