All - Analysis

November 15, 2020

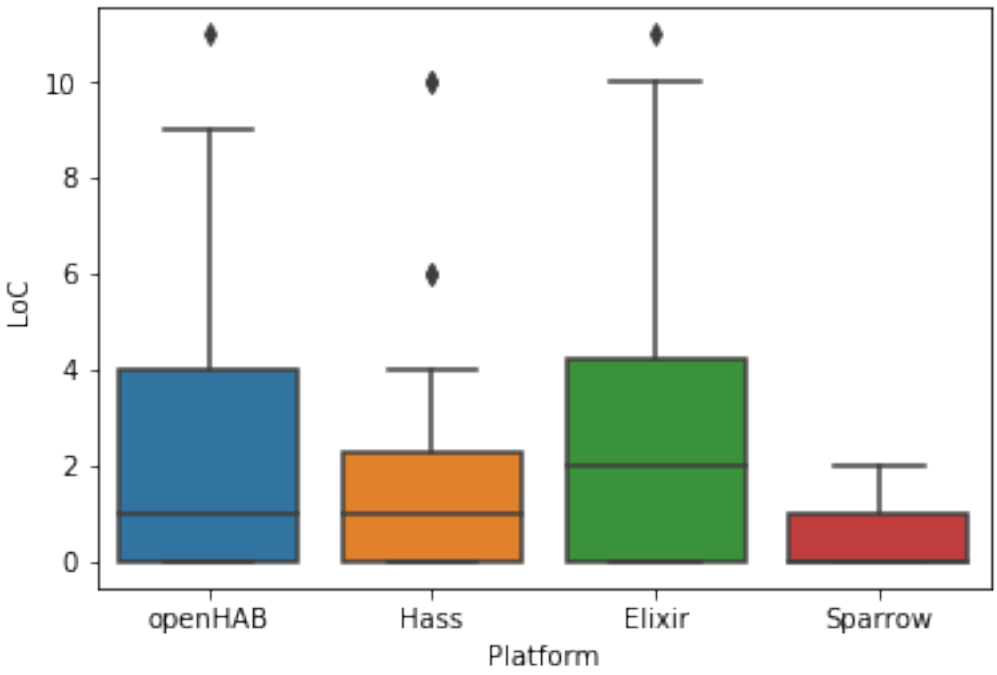
In [3]:
```
from matplotlib import pyplot as plt
import seaborn as sns
import pandas as pd
```

In [4]:
```
results = pd.read_csv('all.csv')

openHAB = results[results.Platform.isin(['openHAB'])]
hass = results[results.Platform.isin(['Hass'])]
elixir = results[results.Platform.isin(['Elixir'])]
sparrow = results[results.Platform.isin(['Sparrow'])]
```

In [5]:
```
sns.boxplot(x='Platform', y='LoC', data=results)
```

Out[5]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x7f046aaf70b8>
```



```
In [3]: openHAB.LoC.describe()

Out[3]: count    7.000000
        mean     2.857143
        std      2.478479
        min      0.000000
        25%      1.000000
        50%      2.000000
        75%      5.000000
        max      6.000000
        Name: LoC, dtype: float64

In [4]: hass.LoC.describe()

Out[4]: count    7.000000
        mean     2.142857
        std      2.115701
        min      0.000000
        25%      1.000000
        50%      1.000000
        75%      3.000000
        max      6.000000
        Name: LoC, dtype: float64

In [5]: elixir.LoC.describe()

Out[5]: count    7.000000
        mean     1.714286
        std      1.496026
        min      0.000000
        25%      0.500000
        50%      2.000000
        75%      2.500000
        max      4.000000
        Name: LoC, dtype: float64

In [6]: sparrow.LoC.describe()

Out[6]: count    7.00000
        mean     1.00000
        std      0.57735
        min      0.00000
        25%      1.00000
        50%      1.00000
        75%      1.00000
        max      2.00000
        Name: LoC, dtype: float64
```