All - Analysis

November 17, 2020

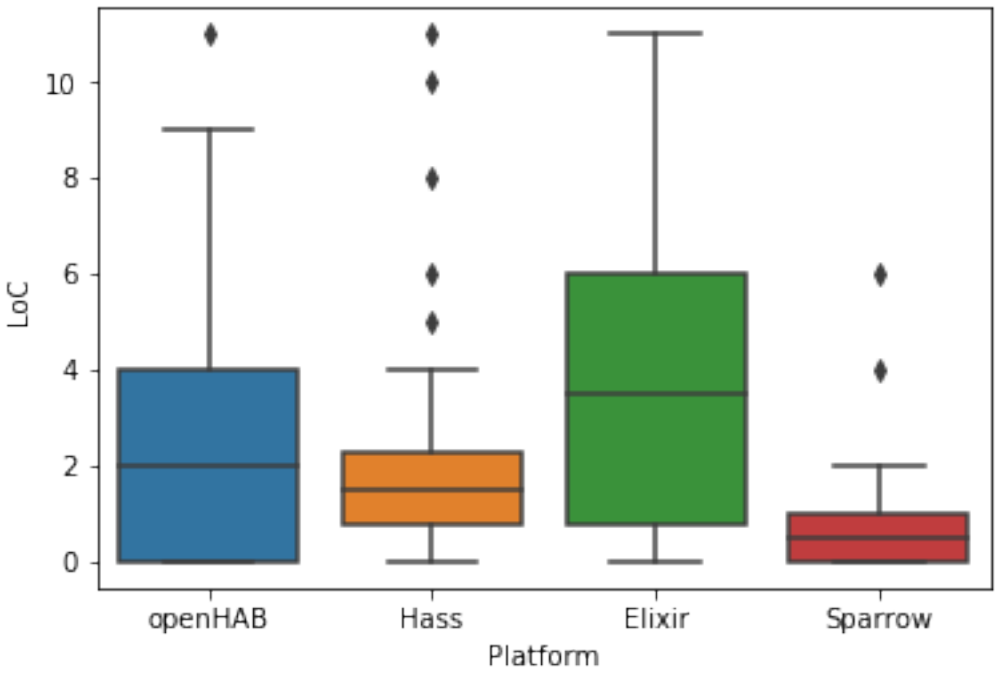
```
In [1]: from matplotlib import pyplot as plt
        import seaborn as sns
        import pandas as pd

In [2]: 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 [3]: sns.boxplot(x='Platform', y='LoC', data=results)

Out[3]: <matplotlib.axes._subplots.AxesSubplot at 0x7fe6991165f8>
```



```
In [4]: openHAB.LoC.describe()
```

```
Out[4]: count    28.000000
        mean      2.678571
        std       2.855191
        min       0.000000
        25%       0.000000
        50%       2.000000
        75%       4.000000
        max      11.000000
        Name: LoC, dtype: float64
```

```
In [5]: hass.LoC.describe()
```

```
Out[5]: count    28.000000
        mean      2.428571
        std       2.986743
        min       0.000000
        25%       0.750000
        50%       1.500000
        75%       2.250000
        max      11.000000
        Name: LoC, dtype: float64
```

```
In [6]: elixir.LoC.describe()
```

```
Out[6]: count    28.000000
        mean      3.642857
        std       3.257064
        min       0.000000
        25%       0.750000
        50%       3.500000
        75%       6.000000
        max      11.000000
        Name: LoC, dtype: float64
```

```
In [7]: sparrow.LoC.describe()
```

```
Out[7]: count    28.000000
        mean      0.892857
        std       1.370031
        min       0.000000
        25%       0.000000
        50%       0.500000
        75%       1.000000
        max       6.000000
        Name: LoC, dtype: float64
```