

# Pattern definition - Boxplots

November 15, 2020

```
In [1]: import pandas as pd
```

```
In [2]: results = pd.read_csv('pattern_definition.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]: 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
```