Pattern definition - Analysis

November 17, 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     3.428571
        std      1.397276
        min      2.000000
        25%      2.500000
        50%      3.000000
        75%      4.000000
        max      6.000000
        Name: LoC, dtype: float64

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

Out[4]: count    7.000000
        mean     2.857143
        std      2.672612
        min      1.000000
        25%      1.000000
        50%      2.000000
        75%      3.500000
        max      8.000000
        Name: LoC, dtype: float64

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

Out[5]: count    7.000000
        mean     4.428571
        std      1.397276
```

```
        min      2.000000
        25%      4.000000
        50%      4.000000
        75%      5.500000
        max      6.000000
        Name: LoC, dtype: float64
```

```
In [6]: sparrow.LoC.describe()
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Out[6]: count    7.000000
        mean     2.285714
        std      1.976047
        min      1.000000
        25%      1.000000
        50%      1.000000
        75%      3.000000
        max      6.000000
        Name: LoC, dtype: float64
```