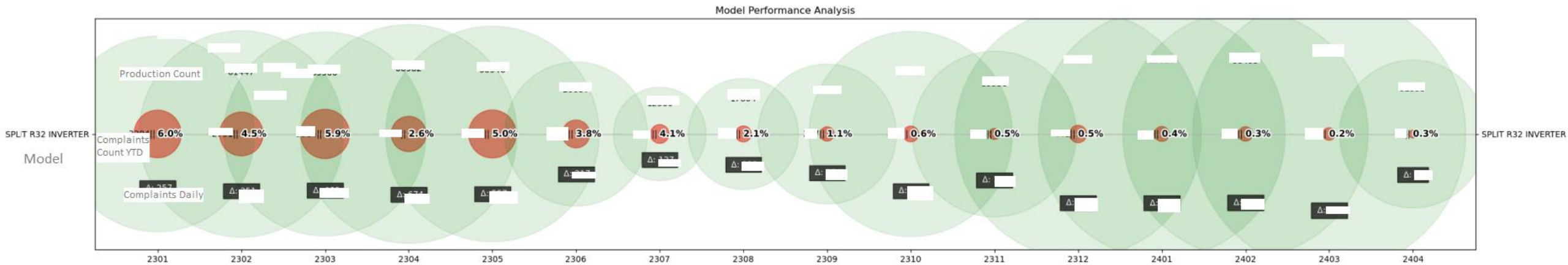


Model Performance Analysis | Early Warning System

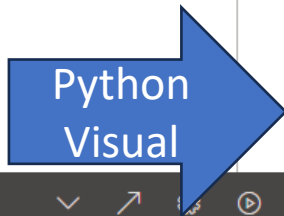


- Green Bubble depicts Production Count
- Red Bubble depicts Complaints Count
- Black Square with Delta Symbol has daily calls value for the previous day

Performance Analysis : As YTD and Daily is in same visual, we can see which lot has more percentage of complaints and which has more volume.

Early warning : High Delta and increasing percentage of a small period will indicate which lot is problematic.

This is populated for over 50 running Models across Appliances range – Refrigerator, Washing Machine, Air Conditioners, Deep Freezer, NPIs(New Products) and Premium Products



Python script editor

```
1 import matplotlib.pyplot as plt
2 from matplotlib import patheffects
3 import pandas as pd
4 import numpy as np
5
6
7
8 # Assuming your dataset is already loaded and duplicates have been removed
9 dataset['Model'] = pd.Categorical(dataset['Model'])
10 dataset['ModelCode'] = dataset['Model'].cat.codes
11
12 unique_values = np.sort(dataset['YR-M'].unique())
13 value_to_number = {value: i for i, value in enumerate(unique_values)}
14 dataset['YR-M_scaled'] = dataset['YR-M'].map(value_to_number)
15
```

Script

Visualizations

Build visual

Filters

Values

- Model
- YR-M
- Call Count
- Max of YTD Call Count
- Max of Production Co...

Drill through

Cross-report ☐

Keep all filters ☒