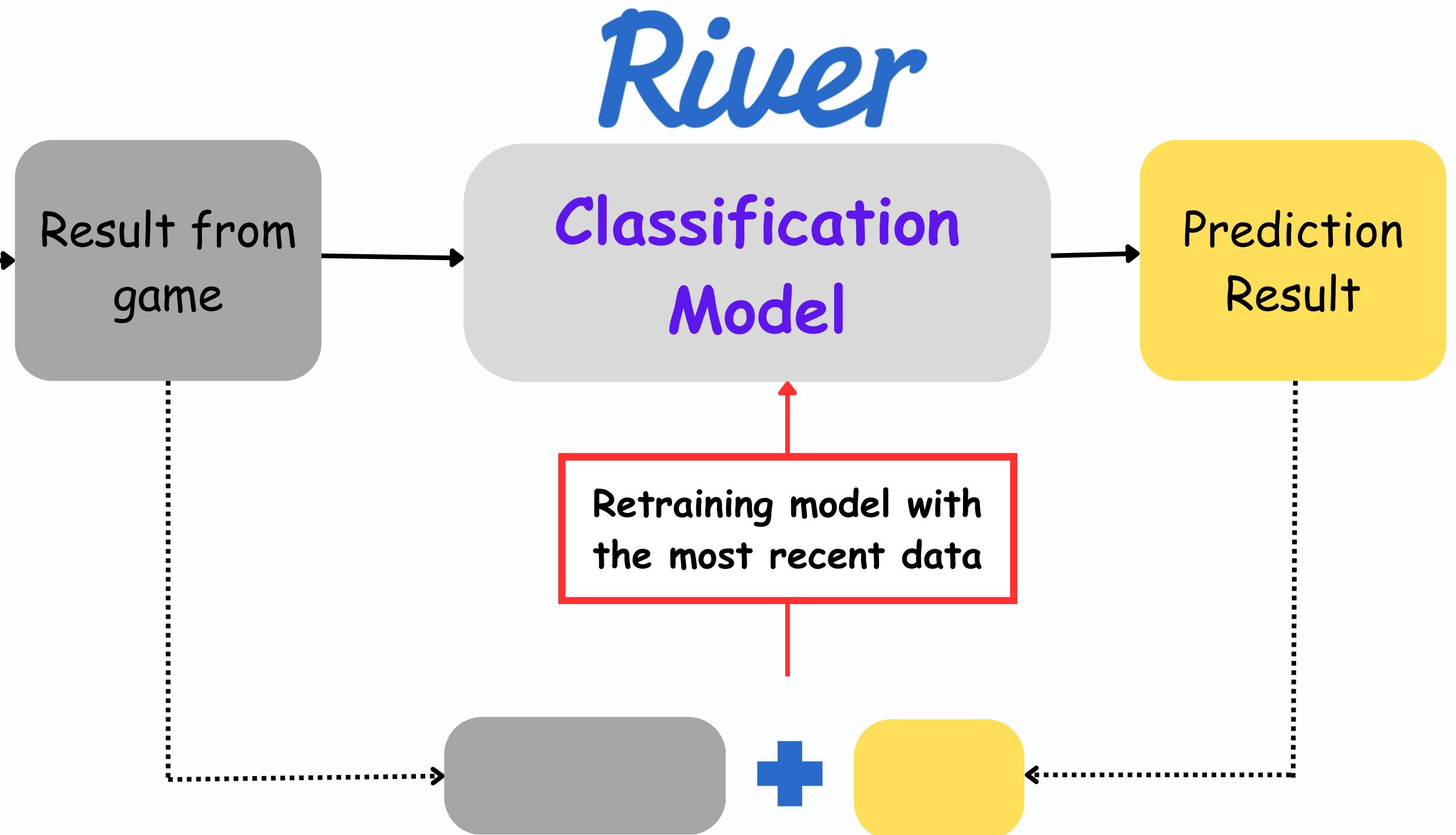
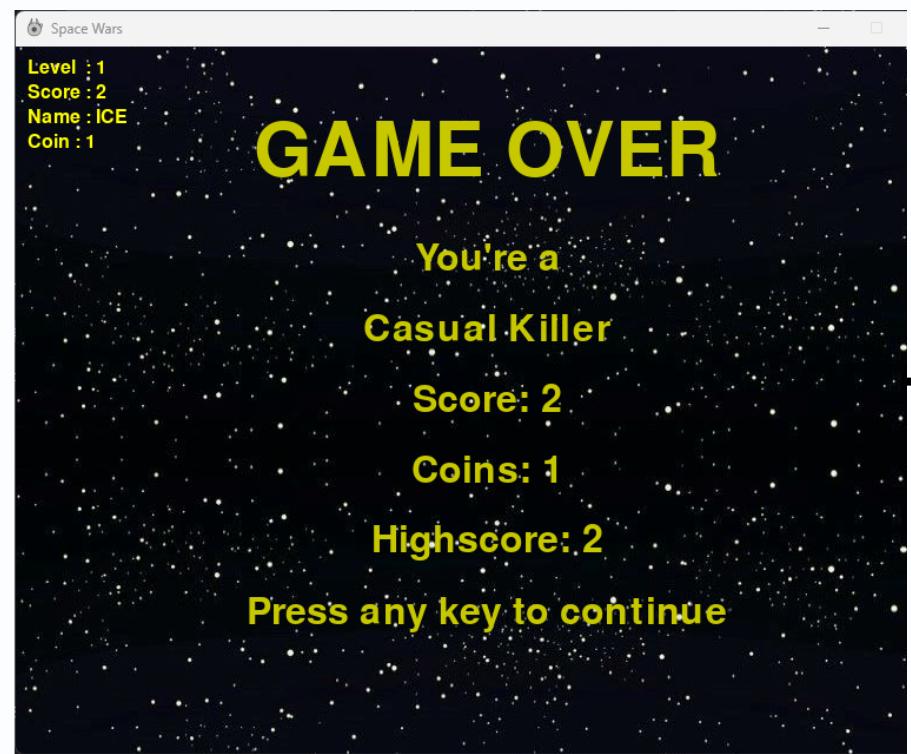


Improve Game Analytics

DADS 6005 Data Streaming and Real Time Analytics.





River

StandardScaler



KMeans

clusters = 4

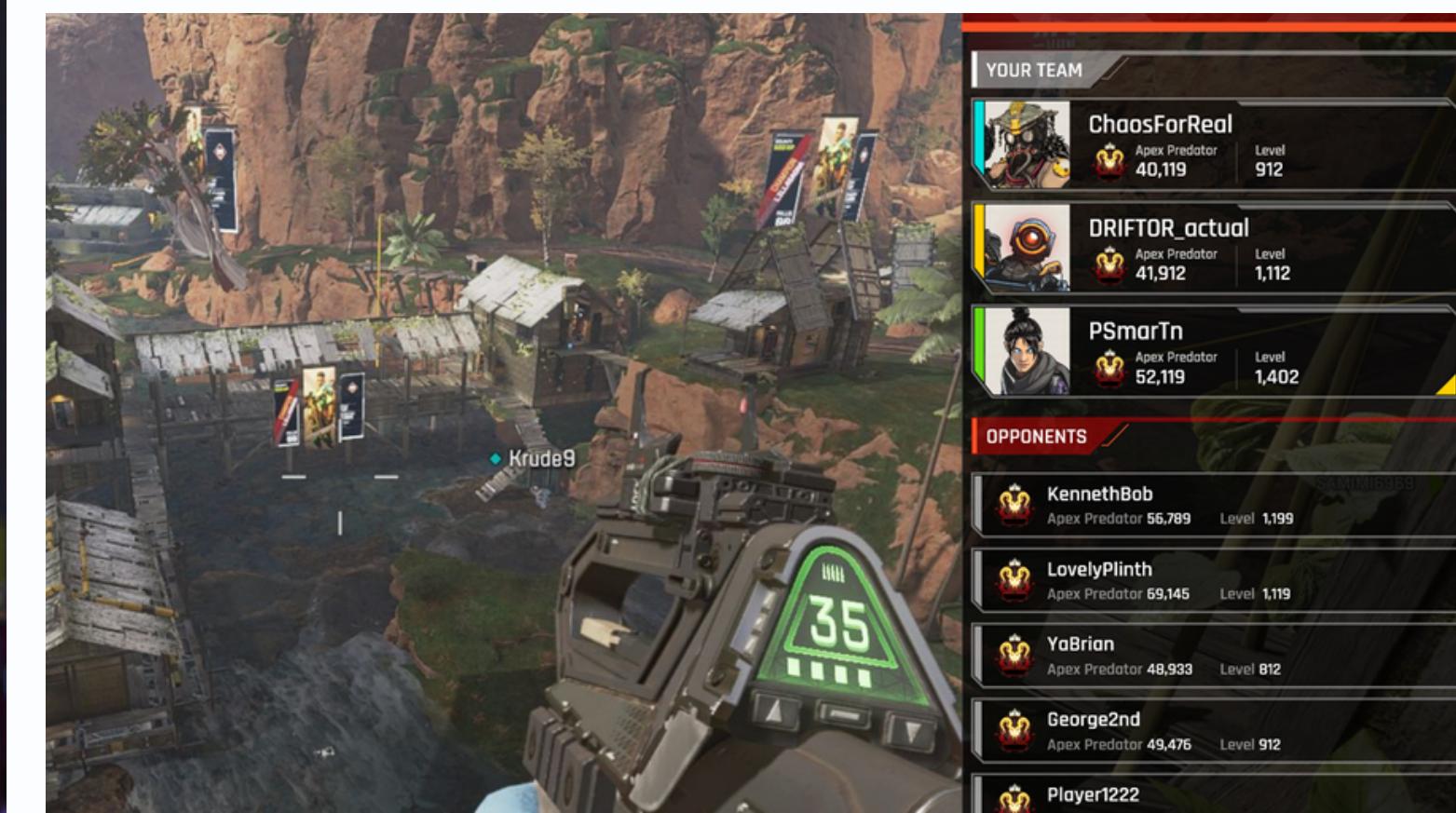
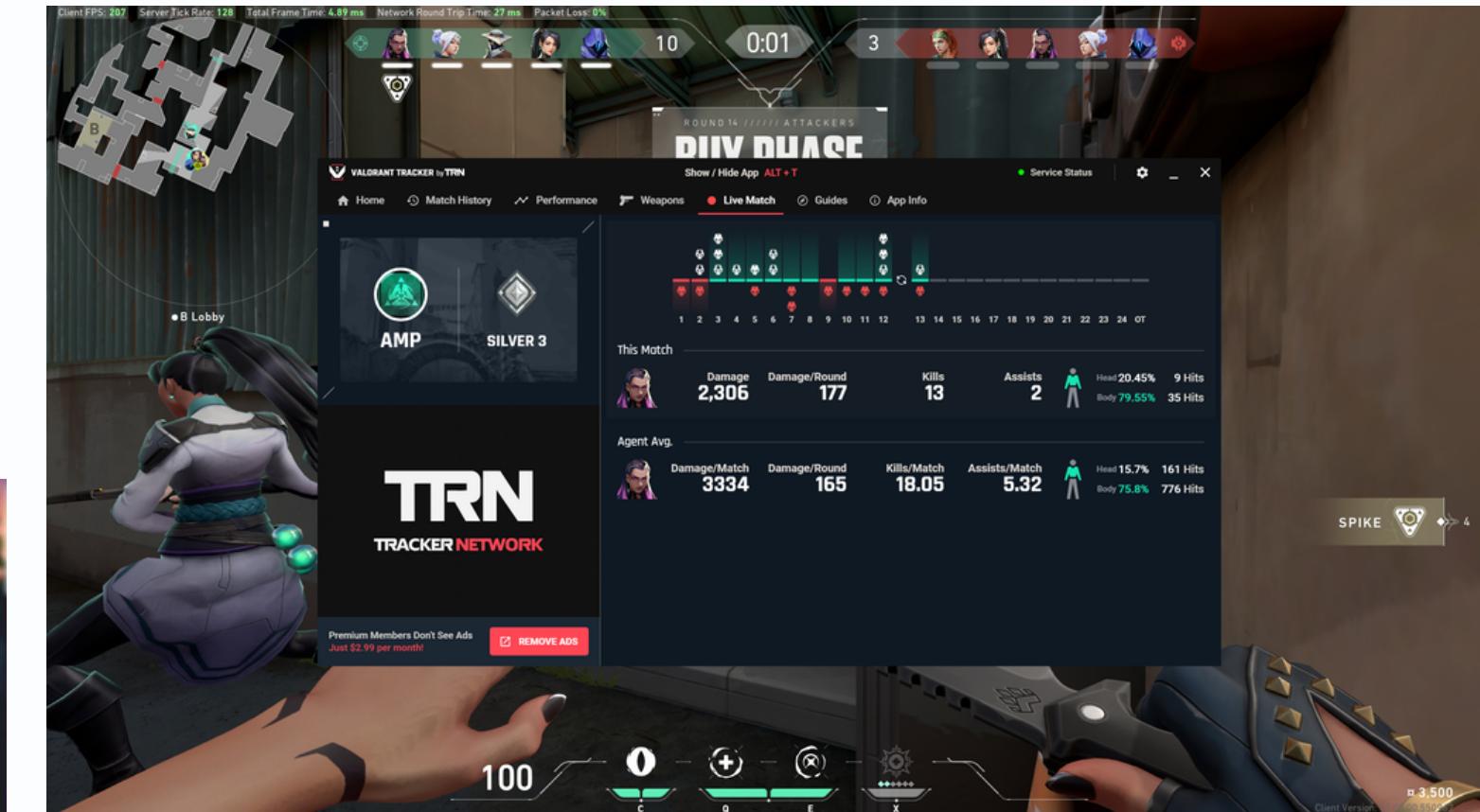
```
model = compose.Pipeline(  
    preprocessing.StandardScaler(),  
    cluster.KMeans(n_clusters=clusters, seed=42)  
)
```

```
def riverPredict(data):  
    global model  
    pred = model.predict_one(data)  
    model = model.learn_one(data)  
    return pred
```

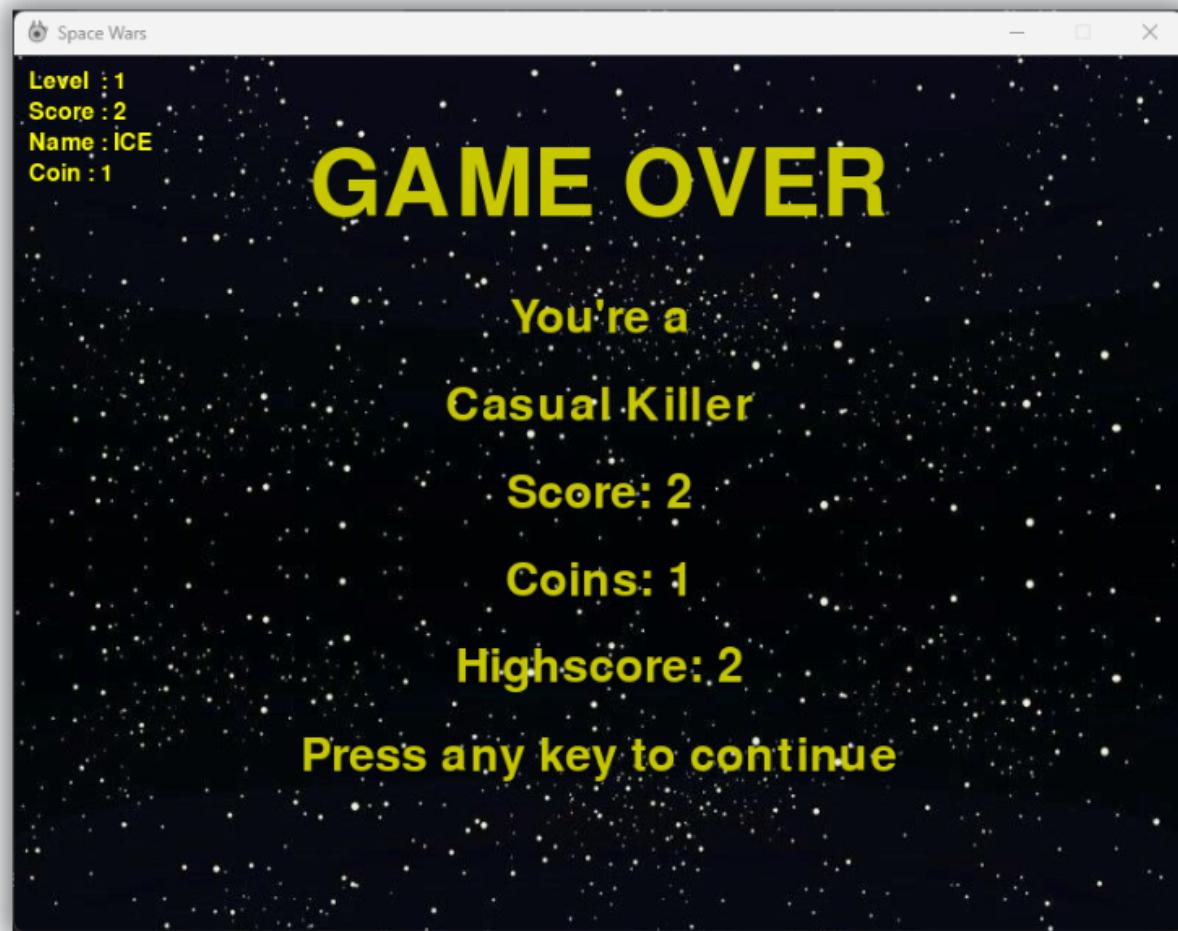
Real-Time Tracking&Analytics Product



Tracker.gg



Producer



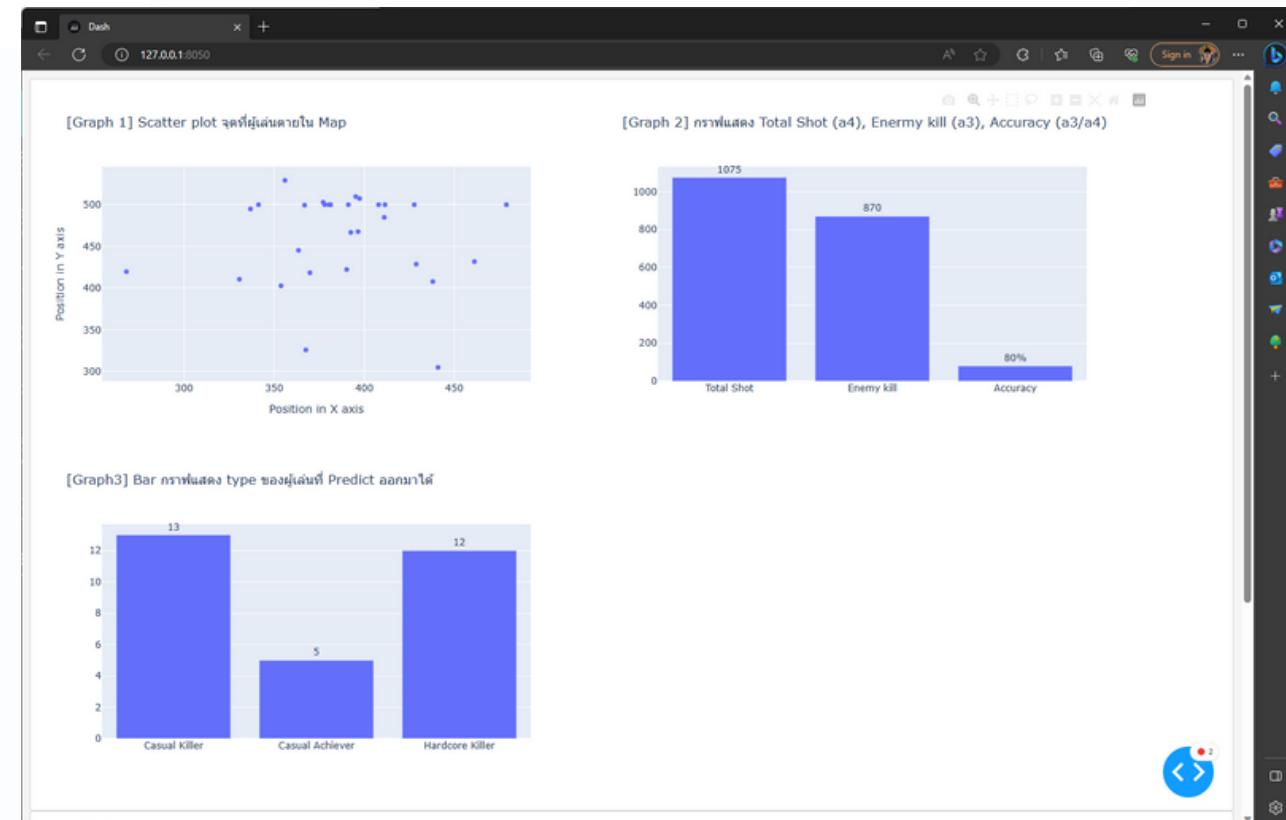
DATA

```
{'data': {'A0': 411.1428571428572, 'A1':  
484.7857142857143, 'A2': 10, 'A3': 18, 'A4':  
30, 'A5': 12, 'A6': 3, 'A7': 34, 'A8': 15, 'A9':  
33, 'A10': 25}, 'player': 'ICE'}
```

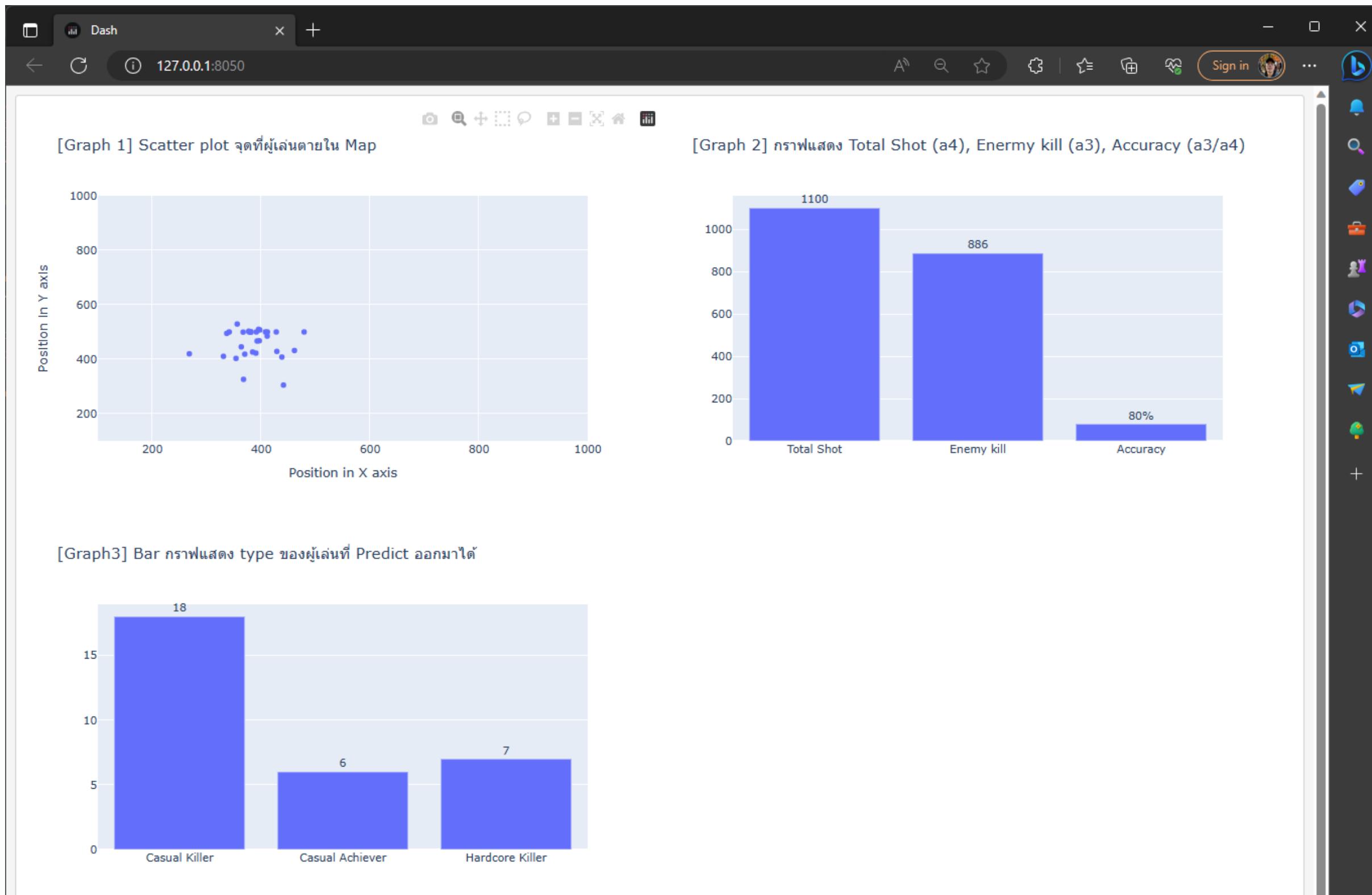
- A0) Position in X axis => position X
- A1) Position in Y axis => position Y
- A2) Number of coins collected => Total
- A3) Number of destroyed enemies => Total
- A4) Number of shots => Total
- A5) Number of shots without enemies => Total ($A4 - A3$)
- A6) Level reach
- A7) key X pressed count
- A8) key Y pressed count
- A9) Number of enemy created
- A10) Number of coin created

Consumer

River



Analytics



Thank you

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