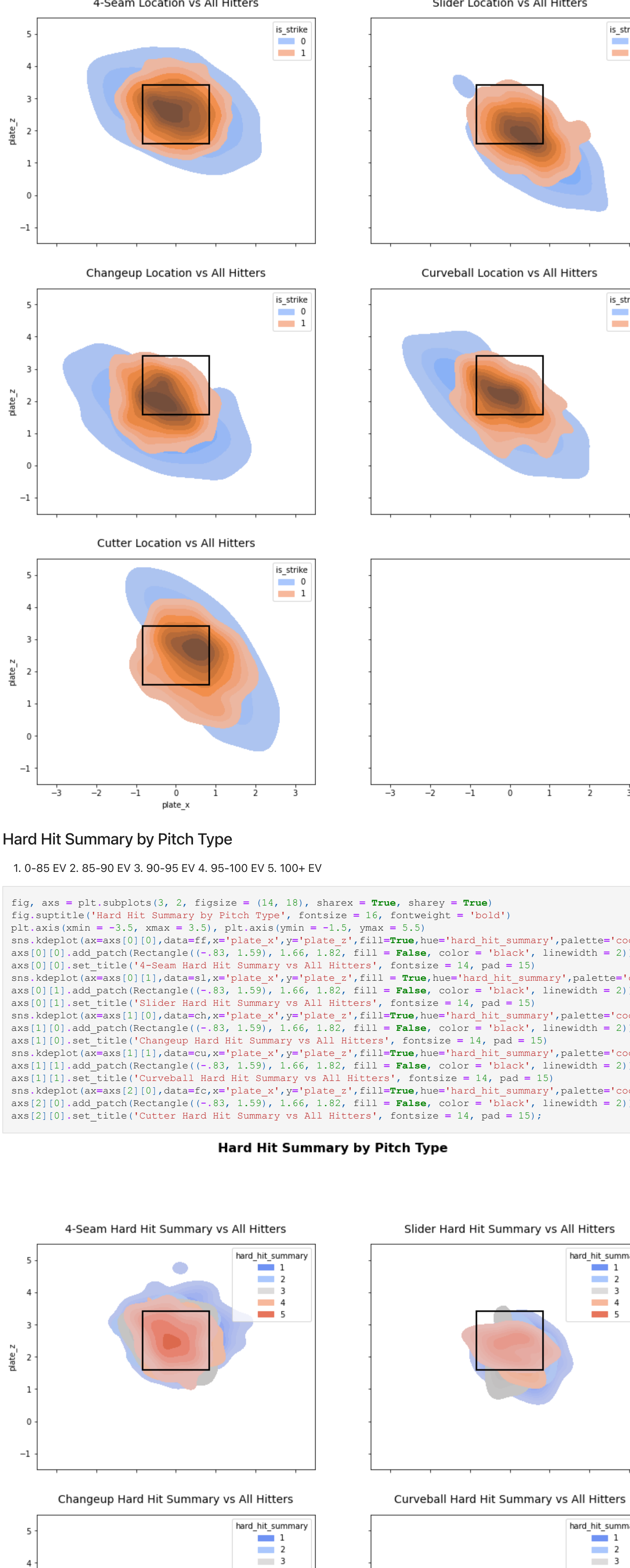
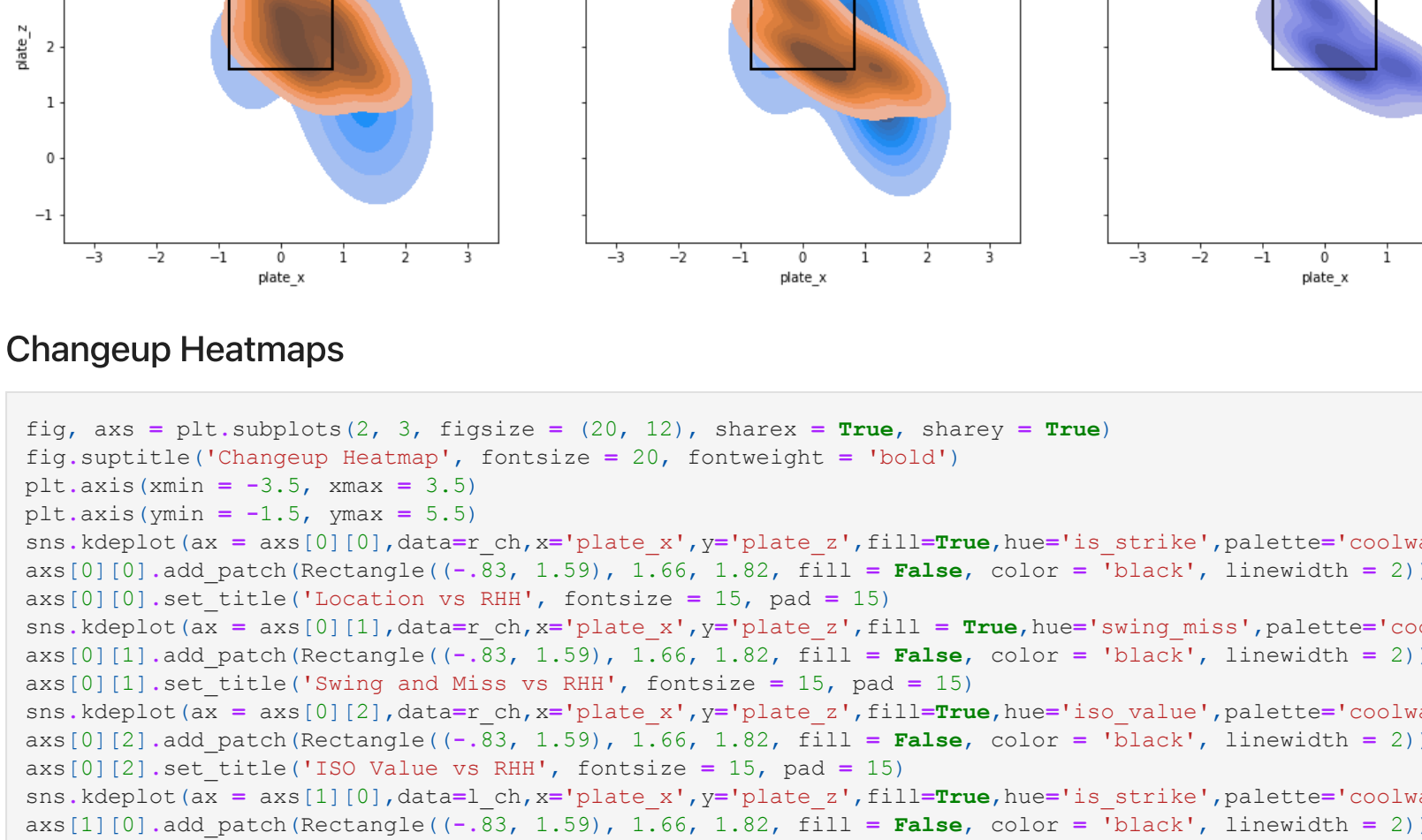
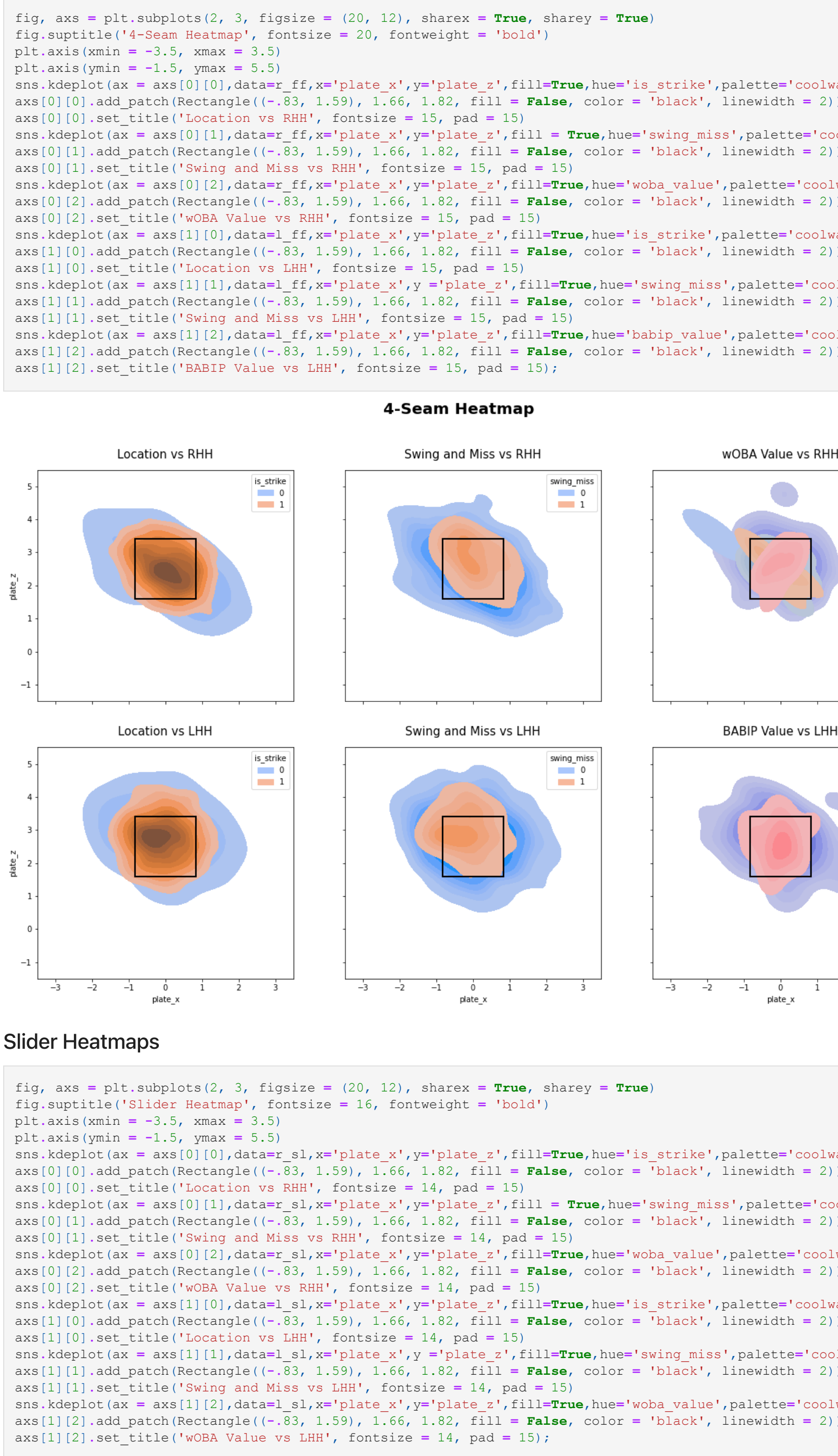


Pitch Location by Pitch

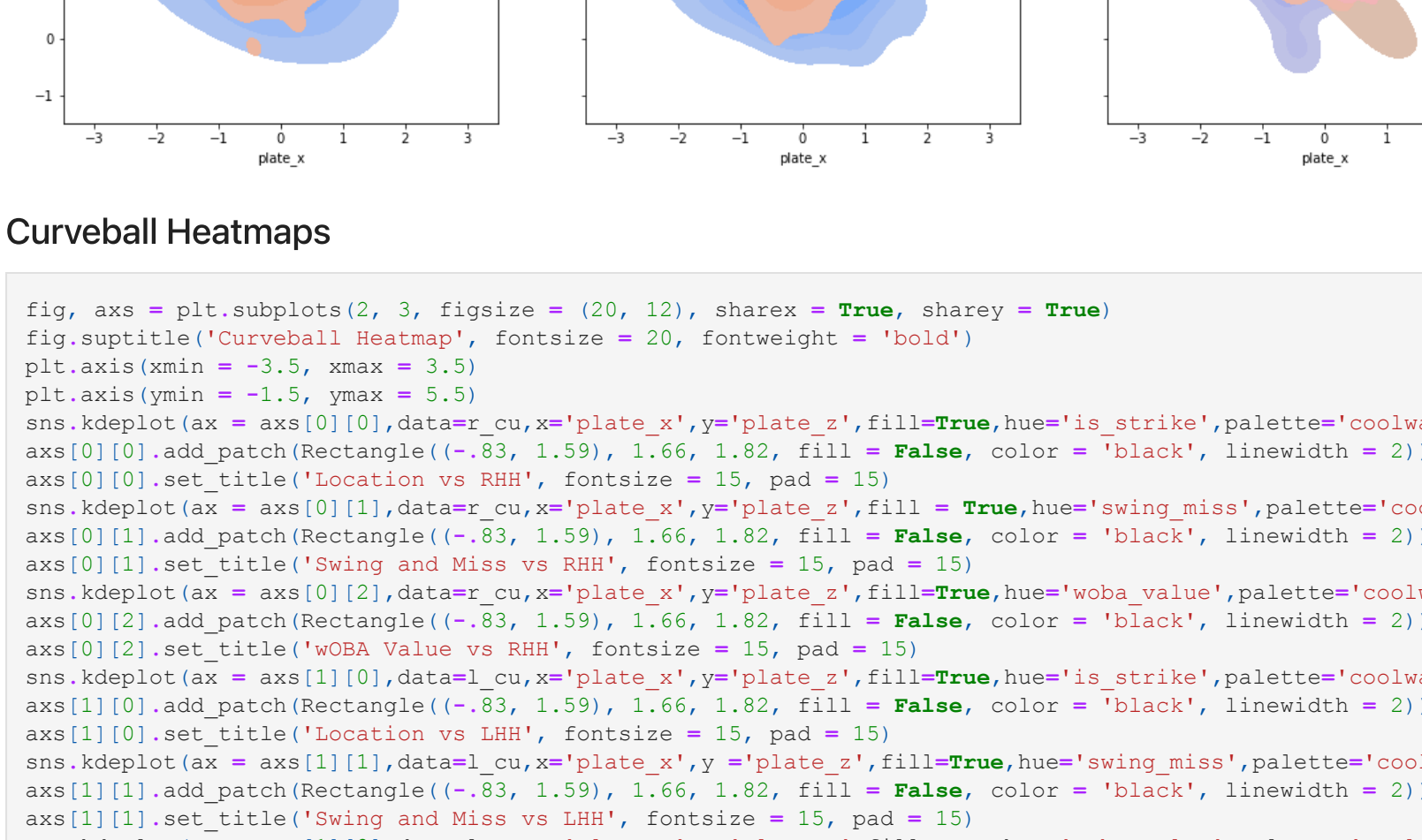


4	
5	



```
axs[1][0].set_title('Density of the')
sns.kdeplot(axs[1][0], data=df['x'])
axs[1][1].add_subplot(2, 2, 3)
```

```
axel[1][2].set_title("wOBA Value vs LHM", fontsize = 15, pad = 15);  
axel[1][2].patch.collections[0].set_color("black", linewidth = 2);  
axel[1][2].patch.collections[1].set_color("red", linewidth = 2);  
axel[1][2].set_title("Changeup Heatmap")
```



```
sns.kdeplot(ax=
axs[1][2].add_
axs[1][2].set_t
```



Figure 1 consists of six scatter plots arranged in a 2x3 grid. The top row shows LHH (Y-axis) versus HMM-2, HMM-1, and HMM-3 (X-axis). The bottom row shows LHH (Y-axis) versus Location, Swing and Miss, and wOBA (X-axis). Each plot displays two overlapping density regions: a blue region and an orange region. A black rectangular box is overlaid on each plot, indicating the area of interest. The plots show that LHH is generally higher for the orange region compared to the blue region across all metrics.