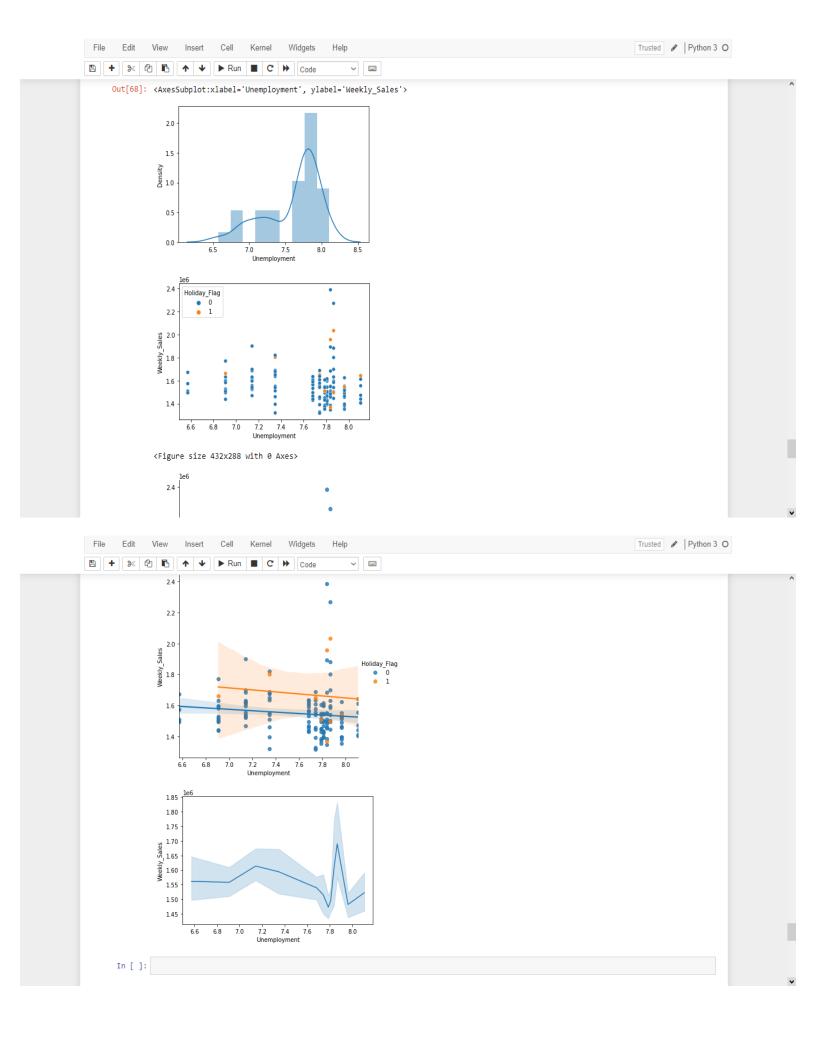
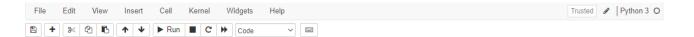


2.0

Density 10





## Plotting Weekly\_sales day wise for store 1, by keeping holidays as a parameter to get more insights

```
In [69]: plt.figure(figsize=(30,10)) sns.barplot(x='Day', y = 'Weekly_Sales', data = factors.head(50), hue = 'Holiday_Flag')

Out[69]: <AxesSubplot:xlabel='Day', ylabel='Weekly_Sales'>

In []: #
```

## **ANALYSIS**



## **ANALYSIS**

on the days of holiday there is comparatively more sales for store1, than the whole week.

Customers Prefer going to Stores during a holiday week.

During christmas days the sales have gone really high

In [ ]:

## **DATA INSIGHTS**

CPI, Fuel\_Price are positively correlated with Weekly\_Sales whereas, rate of Unemployment is fairly negatively correlated and we have seen drop in weekly\_sales of Products due to increase of rate of unemployment.

There are quaters in which stores major loss, due to high rate of unemployment, mostly during the spring sem altogether we can expect less weekly\_sales as compared to spring semester.

Mostly people try to buy expensive products during the holiday seasons likely to be christmas and Super bowl days where we have seen rise in weekly\_sales of Product.

Store 20 is overall doing fine in terms of Weekly\_sales, as analysed it is the only store with max weekly\_sales, whereas Store 35 has no particular pattern of Weekly\_Sales due to high variance observed.

Walmart should invest in marketing of expensive products during the spring sem, to get more customer base for such products, also should only open the supply chain for the products which are in demand during that season

In []:

In []: