1.

Part b and c:

- Our model, first plots the data that we collected in the first place
- Then we wrote a function for Poisson regression which I thought would be a good fit for this data that we collected
- We update the values our model is predicting and calculate the R^2 of the model.
- Now we calculate this and compare it with the linear regression and compare the metrics that define how good the model fits the data. In this case, it is the r2_score

We can see that the values of R^2 scores, for both of them

As we can see, for my data we are getting linear more fitting than the Poisson regression.

The r2_score is drastically differeing

- As for the parameters we can say that “Holiday” and “Part” would be the important features
- They would be having high coefficient values compared to others
- The significance of "Day" variables differs, with some days being more significant than others.