Steps to Run:

1. Change the paths to yelp Photo and Business dataset.

2. Change the number of iterations as per need and accuracy.

3. Run the program to see the reduction in loss as the CNN trains.

4. Test images are kept in the same folder as train so change the path there as well.

5. Put the image\_id value after training the model from test images.

6. Run the predict function.

7. It will display the image chosen to predict and the categories matched.

8. Based on the number of photos the model needs to be trained on - the input image\_path arrays and training labels can be sliced.

9. For XGBoost Model, change the parameters for input images only and the number of features in t-SNE and Feature Agglomeration as required.

10. Change the paths in XGBoost as well.

11. Fitted model can be used to predict images.