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| Name: Pooja Potdar Email:poojapotdar38@gmail.com DOMAIN: Transportation **NYC taxi trip duration** File descriptions  * train.csv - the dataset (contains 1458644 trip records)  Data fields  * id - a unique identifier for each trip * vendor\_id - a code indicating the provider associated with the trip record * pickup\_datetime - date and time when the meter was engaged * dropoff\_datetime - date and time when the meter was disengaged * passenger\_count - the number of passengers in the vehicle (driver entered value) * pickup\_longitude - the longitude where the meter was engaged * pickup\_latitude - the latitude where the meter was engaged * dropoff\_longitude - the longitude where the meter was disengaged * dropoff\_latitude - the latitude where the meter was disengaged * store\_and\_fwd\_flag - This flag indicates whether the trip record was held in vehicle memory before sending to the vendor because the vehicle did not have a connection to the server - Y=store and forward; N=not a store and forward trip * trip\_duration - duration of the trip in seconds  **Objective:** Build a model that predicts the total trip duration of taxi trips in New York City.  **Description:**  The dataset we have used is available at Kaggle live, and its related information was collected over the years along with certain dependencies and provided to the public for further analysis. We used a collection of these datasets, which depicted around 3 years of NYC taxi trip data - about 15 lakhs records were considered, which carried the information of Taxi trips.Considering various Machine Learning models that provide reliable and improved accuracy for prediction-based use-cases and MLP are taken into consideration due to their novel potentiality to accumulate complex component conditions. Successful prediction of the taxi trip duration would eventually be much useful in the future to make better taxi trip duration predictions applicable to multiple cities.  Github Link:- https://github.com/poojapotdar38/EDA--Hotel-Bookings/blob/main/Copy\_of\_final\_NYC\_Taxi\_Trip\_Time\_Prediction\_Capstone\_Project.ipynb  Projectsummarytemplate word githublink repolink document recovery summary your capstone project and its components describe problems statement your approaches and your conclusion paragraph writing essay writing conclusion writing statement according system describe the problem statement ,your approaches and your conclusion 200-400 words please paste the github link project summary templates format painter save the ones you wish to keep.as system generated emphasis arrange values mailings review view design layout tell me what you want to do design layout mailings references design insert home design layout references mailings review view design layout paragraph format painter clipboard replace select list parameter table tools find replace select.which file do I want to save. System generation as according values given by terms as of you know the your values generation according to terms and condition. System generation given by values as of you know.your values given by fraudlent |
| **Please paste the GitHub Repo link.** |
| Github Link:- <https://github.com/Link/to/Repo> |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |
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