New York Taxi project Goal: me want to predict the avarge amount of money spent on a casal taxi cide in vyc for each region pergiren day & hour so taxi driver will know when they should so. #1 Step - Data exploring understand What features we can let go, finding 'odd' information (like negtire payment) See is all features are in the best data type start thinking on features we want to add We had 19 features - some of them were unrellevent we sound some throughold for expensive rides to delete.

# 2 Step - Cleaning & preparation Clean & preper base on exploring. me cleaned all "" change datatypes of dates, and locations De to Cleaned-Not Jan 2024 and pyments Preprincy collecting all rides at the same time and loction by the mean of total amount adding tof rides #3 step - Benchmark model Test our features on a simple model to sind hodolans. and have some comparison point. Chose Deasion tree regression tried two depths - both seems to have

a problem predicting small numbers Features Used Pickop location frip date day+ hour fotal amount (mem) # vides Problems # We probably weed to add more features Alas Neekend - yes/no
holydays
rush houses
late night comeets to early mornings mayle scarch ornine for mez ideas. # Weed to find out where the small vals are comps from - maybe observe rides under 5\$ # He model never predict high values

# u step - feature engineering; fix + add features using the conclusions on step 3. added-weekday (0-6)
is weeked Sint cos of hour to bounet late night & carly day delete any vides under 1 dollar. Try vew models k benchmark ofter fixing The features todo