Demonstrate: the steps to build a marchine learning would the predicts the medican price dataset. data = pai readires ("Housing.cov") dará. discribel) [10] polición data. ingol) a more de les misses in interest of the comments of Plot the histogram in lach feations (Indicate what hour-nucliquacy!) nit. () pit- show () 3. Demonstrate the product of executing a test set (
write the difference the random & stratifica test set) Rondon split = Splits data randomly nothout considering feature distribution. This ear head to skewed test sets of the outaset is imbalanced (e.g. if anaignivone has uneven representation). Stratified split: Feyore the test set reflects the distribution of a key fewor (modian i mone) with the torget (horn von novery samply bie

would do when that werend wir will what day geographical fections graph endicate wirt housing mirer & location The graph shows Californials outline, with higher house vower (red yellow).

concentrated hear the court Entond oreas (green blue) have lover voluge This indicenty or strong occation - bound. influence on houring-pring, with proximity to the coart correlating with higher value being price when feature correlate to movemen Analyze what groph indications · puderils tropped turns) Maximum rometation: mudion-income the scatter plot of nuclian inventor vs median house now i show a diay positive trand to gher incomes correspond to higher house valu hist the feature that could be combined to suproue correlation. feature to combine total- sooms & households -> soom-per-household total-bearooms & total- soons -> bearoom-per-poons Population & housewed -> population for position Observation: soon per-household; hupnor correlation Signity over total-soons. The plat show forthis trever, but with now scattery halicaring len predictue alore han maion. Home

helt the feations that helds to cleaned.

total bedrooms has making volus (207 airling)

median = data ["total-bedrooms] median () dara [total-bid rooms"]. filma (mudion inploustry To their any catagorical data that news to be converted to nonvicar? If so explain the authord who to comme & or Yes, there is a creturgorical data accompraning ust ordinal)

Convert ratagony Nearberry, Orien into ocean ene odred = eneroder (sparne = faire)

porinots)) 9. Direcu the importance of featons scaling - many me algorithm are sentine to fraturo the total-some & mediousincome ... * Scaling ensure all fectory town but equally Methora: Stendadization, Normalization four maing. & avoding (and traifer a . of and, water per prisons