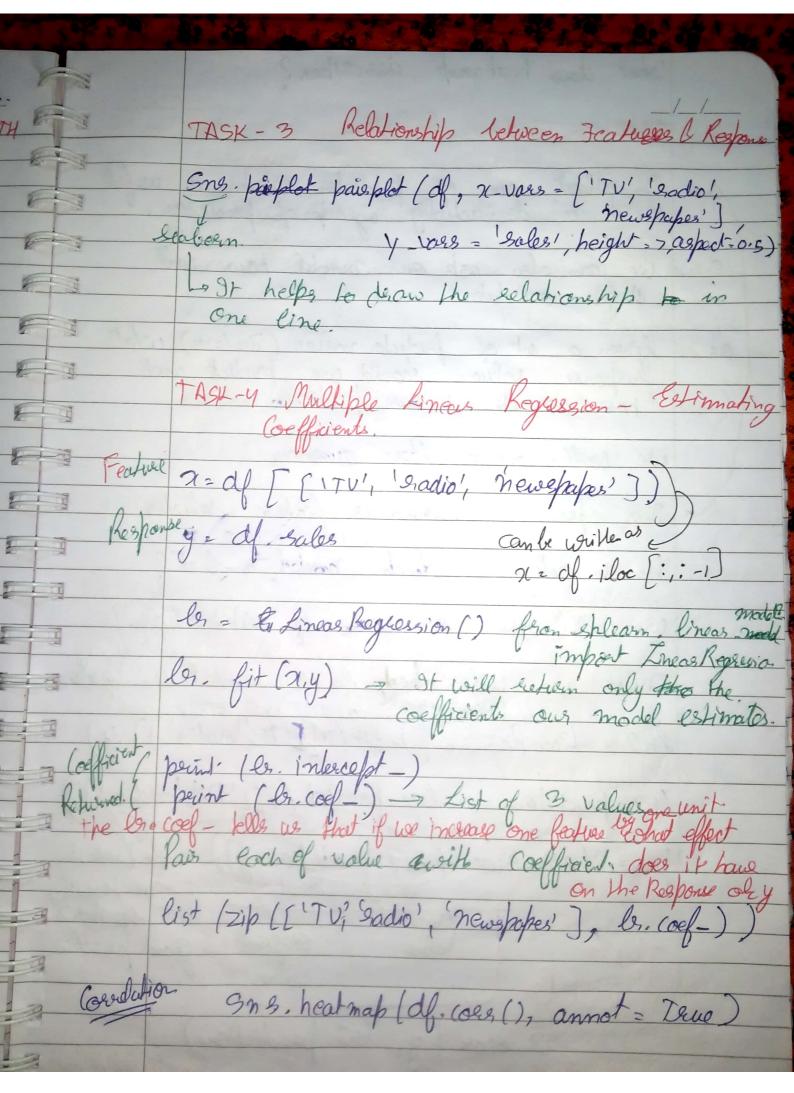
Wordlerd Reductor - X value or Feature MULTIPUS Toagel o Response > Y value or Labels.

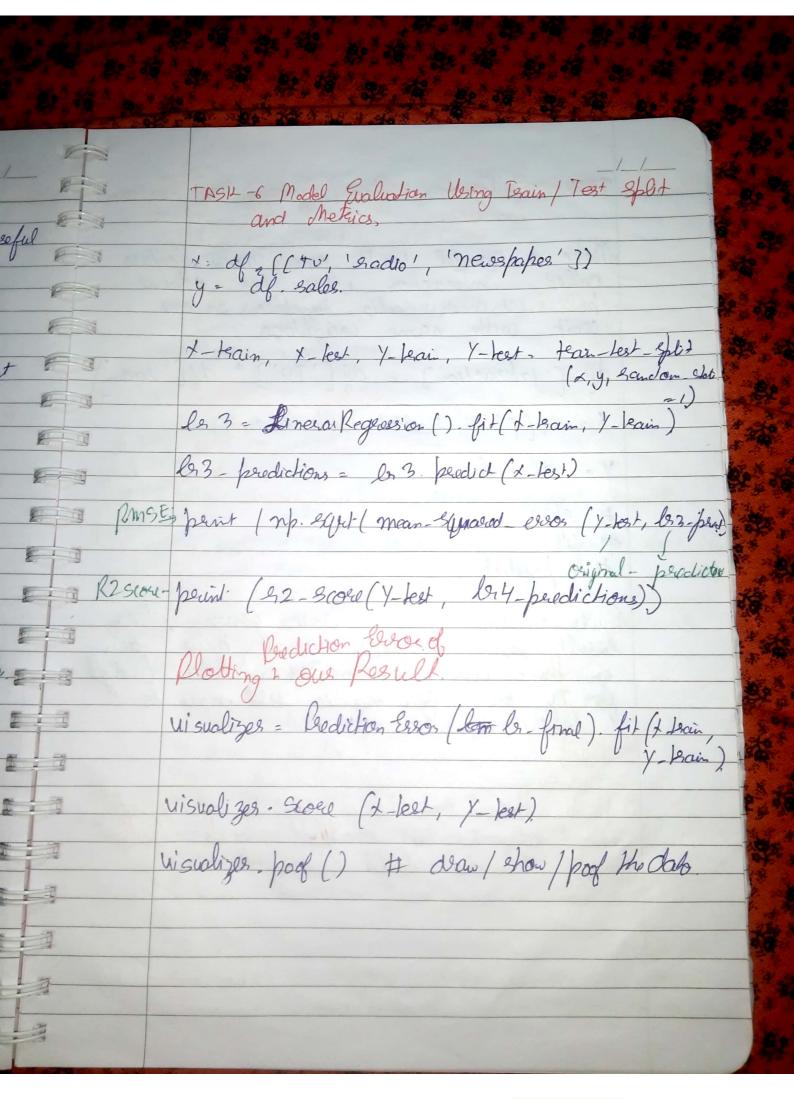
SCIKIT LEARNING. Here we have multiple variables affecting our outcome. So instead of univariate model of Simple Linear Reg. we use multiple linear log. Simple > Y = Bot B, X + 6

emilited your or y = 0, 2 (Like we already

or compiled your or y one But Both & Both & Both & C In our rase soles = Bo + B, &TV + B\_x socio + Bx newspaper + E. TASIL-11 Import LIBRARIES TASK-2 LOAD THE DATA of head() -> first 3 hours of info () > info about dataset of isna () - Sum () > Rs nullise ran also use aforenul()-anyl) af diplicated (subset=['TV', 'sadio', 'newspaper'])



What does heat-map describes?	2
TAGY-5 Feature Selection.	1
all model how wall	
at fits our data.	
response value stoute provide	
we will one wer these questions.	
This process is known as feature selection	
How to determine which model is best?	
We will use , 22-score of scikit learn.	
Itest we will check for TV and Radio logether filling the model. for TV and Radio logether for TV, 'sodio'), y)	v
	- AL
les2-perdictions = les2-predict (x[['TV', 'sodio']'	
paint (22-2000 (le 2-pardictions, y)) Re Predictions	John 3
This solve original a good prac	to g
Thue value first en le le le le le l'agreement	lue =



TASK-> Interaction Effect (Synorgy) in Regression, Analysis	
Make a model with one more feature called Interaction where we assume both TV and eadio together as one cenit with same weightage.	
Y = of ('Tv', 'radio', 'interaction ])  Y = of. Gales	
# split # fit  Buch model in this case gives better	
soult from peonious we have seen in this case, which means 50%. budge for TV 50%. Cor hadro till now is letter.	1
I show here can be a way to find if instead of 50-50 maybe 75-25 budget model reveals better societies.	