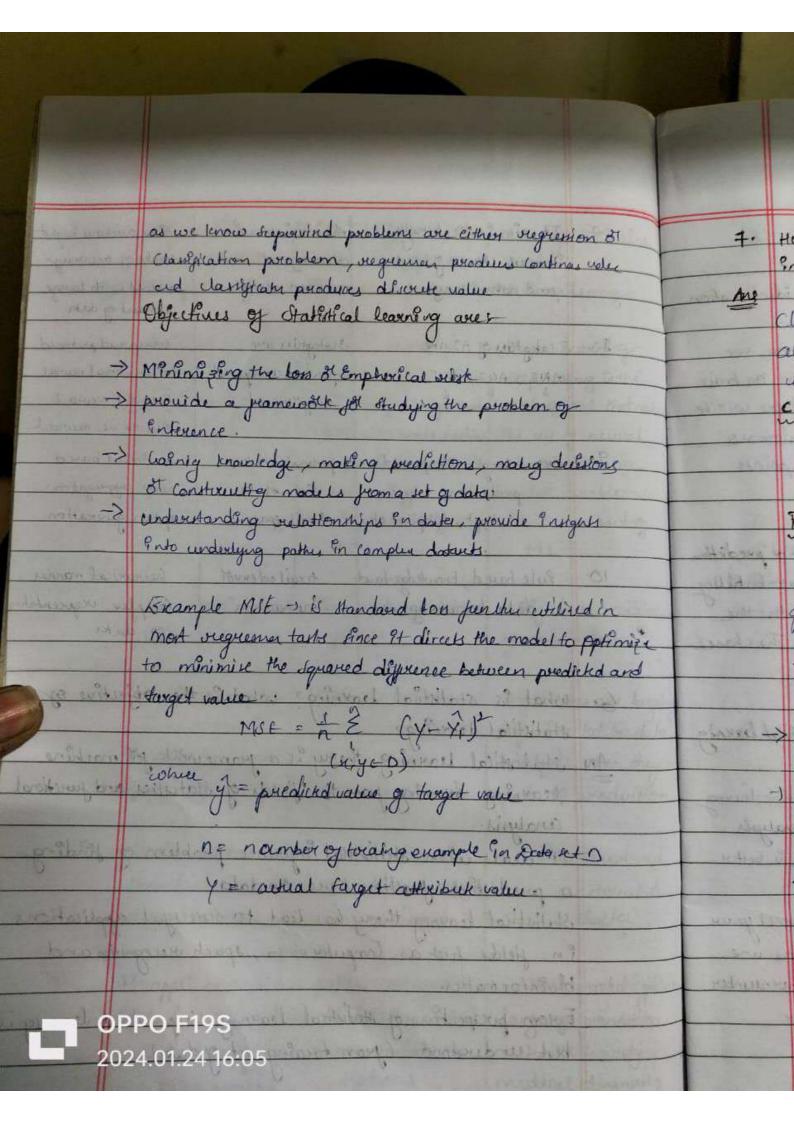
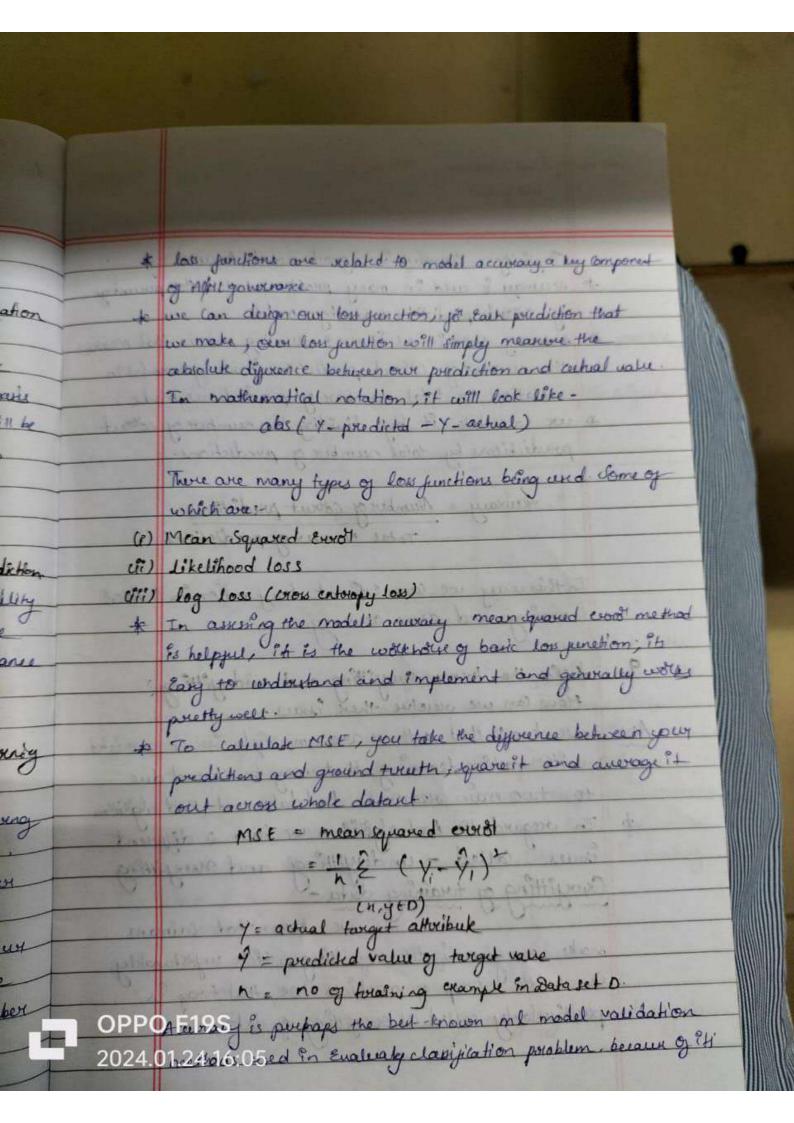
| | | Name of the Party | | | | |
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| achine | 7 | It aim is to barially | 1.0 | | | |
| | | Procease chances of succes | Arm to incumin | Alm to achieve helylist | | |
| * | | and not according | accuracy not about | Hanks of accuracy | | |
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| ns | | EXI- Googlis AI powed | period anisbue | sentiment based | | |
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| - | | think solymn | all relay probably | a state of | | |
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| | Jan Branch | he st direct the model to | Regularing trade of | . g dake | | |
| 10 | buchill | and promoted and Built & | Secret Marian | as the same of the | | |
| egele. | 6. | what is statistical lea | uning? what is | the objective or | | |
| ata . | | statistical leaving? | 0. | | | |
| | Anı | statistical leavaine the | hotel &c a wanse | attle est marking | | |
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| 1 | S | butistical learning theory | has lead to such | cessful applications | | |
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7. How Regression and classification are different? Explain In defail with Heal time examples? Classification and Regrission are both Supervised learning algorithms that can be used jot jetterating in Me and operate classification: - classification is the process of disconstitution and state which holps to separak Clarification to the process of deroung of Ento several categorical clamb. If Then law is Regression: - legression is the netrod of discours a function of a model job separating the weed values data instead of using distinct value of group of measures The main distinction between their two is based on how they are und on particular me problems -> Reguession algorithms are rund to deturnine continuous values duch as price forcome age etc I where as classification algorithms are und to determine of clarify distinct values such as Real of yake is pain of rat from There are multiple types of classification celestithms like logistic regrene, le-nearest neighbour Décine tires Nove Bayes ctc. Reguerror algorithms lik - strate linear, multiple linear OPPOPISMEN regiene, Random jotest, Ocelu tucce et 2024.01.24 16:05

| 940414 | Real Home examples: | * | |
|---------------|---|---|---|
| | Real If me examples: | - 10 A 10 10 10 10 10 10 10 10 10 10 10 10 10 | 0 |
| Lennigh | classification - voice recognister, span emails ; identification | | u |
| Loring his | Let us Conside suppose there is a match going on, we | Marie Val | L |
| | want to predict probability of winning team on barre | | |
| To Jane | parameters reported Earlier. Then there will be | + 500 | |
| randt o | two signs, you of NO. In logistic regression us | | |
| | clampication to Estimate probability of data points | | |
| To ware | belonging eith to ham A & kam B | (g) | |
| ah cinia | Roguenton - Hour price prediction, wather prediction | cli) | |
| La Million de | Reguenes example where we are finding probability | u(i) | |
| | of Manjall en some specific ouglons with the | * | |
| on hu | and of some persone trus supplied Early. The chance | | |
| | Covelated with vain | | - |
| 8 | How to Estimak the loss punction in statistical learning | CAN COL | |
| | Discuss how to assess model acuracy? | * | 1 |
| Ans | Statististical leavening theory is a pranework of machine leaving | and the second | |
| of new | drawing from the field of statistics and junctional analysis. | 1 | 1 |
| * | we know that from perspective of statistical leaving, is better | 08 | 1 |
| a ready to | understood from Jujurised leavining | - 0 | |
| 1112 | Less-function - it a method of Evaluating how well your | 2 10 | |
| | algorithm models your detaset. I your predictions are | 10 | |
| 15/15/14 | totally of your loss penction will output a highernumber | | |
| | 024.01.24 16:05 | | |



underyitte Emplicity. Accuracy is a good metric to ans Buey to Acceptage is used in many problems to feel the pursuity but of correct prediction made by a model. * Accuracy scote in me is an Evaluating metric that meaning the number of collect predictions made by a model in relation to total number of predictions made Consid * we calculate it by dividing the number of covert predictions by total neember of predictions. Accuracy = Number of covert predictions Total Number of predictions Inthis way we can Estimate loss purction in statistical leasining and axes auvary. 9. Define the terms ownyitting and underyitting? Ans: we know that a there are multiple issues associated with machine leavining. that may be caused due to two main reasons. Bad data and Bad algorithm In viegard to Bad algolithm we have a different fisher called - undergitting and overyitting. Overyitting of training data make ownguneralization of thing which unjochurakly Can be the trop of machines too, that torages particularly called as ownfitting of data OPPO F19S 2024.01.24 16:05

validation law is greater than tuding loss Overgitting means model programs well on treasing data pincenty but et des not generalize well relative to amount and noiseness of toping data possible hat measure Consider planing example go high dogues polynomial lix estipolar model that strungly over it trains dake Complete models tech as deep neuval networks can deket subtle patterns in the data, but if the set is noing; it is to small then the model is likely to doket patterns in the noise itself Obviously thee patters will not gneralise to new instances. Here are some of the possible solutions got overgitting. · Simplify the model by deleting one with fewer parametry lik a Linear model veather than a high-degree polynomial model by steding the reember of attiribute in training data of by constraing the model · Gather more training data Roduce the noise in the toraining date · If it data every and remove outliers OPPO F195 oreduce the viste of encycting to called oregulari 2024.01.24 16:05 photosilias exercisi and ribbiles

