

Nominal grater - so we do during uncoding thereal & where & Ratto & There P= Bo+ Bod, + Bodo. 5.5 No air bags O J DFP. 3 5.5 + 1 d, + 1.3 d2 5.5 000 0 2 6.5 DFP. rome a primar de la fina Now Drop DFP. NA DAU P = Po+ B, d, + B2 de 2 6.5 \$- 1d, + 0.3d2. NOO POOP DAII

NA BEP

NA 1 0 \$\hat{\phi} = 6.8 - 1.3 d, -0.3 d2 DFP 0 (3) Covariana & Correlation coefficient Understanding doinie Unit gets disrupte de la lon Covariance. Conversion of Coefficient = Con(n,y), Takes con(n,y)

Bn,y

Tn, Ty

Fn Zscome(ny)

Colembring need (standardized (n E, y))

Colembring need (n E, y) Colculating using formula - Analytical / parametrice Approach 9 of null right is to

	DATE: / /
	DATE: / / PAGE:
4)	Strength & weakness of linear Regrusor Model
-	simple - decoded easily
-	Deakness - Accuracy is low - slightly
	Deakness - Accuracy is low - slightly for benefit of Inference shigh bias error
	., ,
	can ouduce variance wow at the cost of
	chigh bias wer-Ridge, Land, 18N'
	P. P. P. No consistency
	P P2 P2 Who consistency
	but low word (RNSE)
	89 10 100 y High bias Error
2 10	85 18 60 La Consisterey
0 00	2 (2 but tow high
	83. unor (EMSE)
	821 33 62 undurgit
	N: 64.
16	pariane experior bias exper
(5)	Drawback of Train-Test-split gralidation.
Solo	is done. De canot tell y new data
_	is done. We cannot tell of new data
101	will be greater or lesser than the estimated
1300	value.
	Hence, we go with k fold cross validation.
6	101 4 is the P2 of Null model warrenger
6	and is the sould have an realist the
1	will model & Model having no feature.
	actual actual
	R 20/2 mill model is o

tox wall model: To Pot for Null, x20. Po zuý + - bix waddpied a neder dodaní la Por Jd blow - beard with mas 9 = 9 Po + B, x, + B2 X2. 7) what is the AUC score of Null model classifier Soln: 0.5. abroom to on to work to 8) Use of Base line score / why do not talk about null model (Base line my) a) what do you mean by deriance zo.

Indicates prefectly fit data 10) classical probability - sample space is fixed Empirical quobability - Having historical quobability Subjective probability - No historical probability

Need domain expert 11) It something is surealed in conditional purobability. 12) Training, Validation & Testing viecords. (1000) - No of sample records preproduction data 900 Train Train (Fest) -> validation las

DATE: / PAGE: Impact when n neighbour is increased. Som: Bias Increases. - Model behaves lexe $\frac{\mathcal{E}_{9}}{0's} \rightarrow 23$ $0's \rightarrow 18$ If I give nz 21, it will consider all the points 41 as its neighbours or more & no of records. - It h neighbour is decreased - It leads to overfit (high variance Excor) 13) KNN cannot be boosted but can be bagged

Boost to reduce bias every

No hexury of reducing bias ever later.

Try to design with least bias ever. Carnot boost as there are no coeff kind of 14) Difference blu hyperparameter es model garaneter All models nove model parameter except KNN model understanding data in its own way using their parameters, model leavers the go data Hyperfosorute defines the structure / design spec was (Ell) - Noticioning

15) Neural n/w without hidder layer vacti as (logistic) Linear Model.