(MSE, MAE, RMSE) | R2 Score and Adjusted R2 # Regnuion Metrics (1) HAE (Meon Absolut Error) 14, - 4/ 1/2 - 1/2 + - - +

 $mae = \sum_{i=1}^{\infty} |y_i - \hat{y_i}|$ * Advortage. 1> 8 omi unit 2> Robust to Outlier it giva a number * Shod mae = unit in some }

an Owlput

Column Buch y way Billentalk @M&F (Hean Squared Error) $\sum_{i=1}^{n} 3 \left(\lambda_i - \lambda_i \right)^2 = moc$ Disadvat Oldval y= unit mie= (mis) (y-yi) - inte jodiga fin minimise kaung Hai for can be used as lon Junition Not Robert to outer as Different to ble Penulia ko y = 1po MSe · (1pa) * if Ram Outille - HAE. (3) (RHSE)= Imse Tow RAJE - Ipa y Semi Contit $\int = \int \frac{\sum_{i=1}^{n} (y_i - \hat{y_i})^n}{n}$ mostly in Learning Alat Robust to dinade

Pockage (Ino) Gundent of Genteral) pridiction it no Igna muint, the to predict then wont Can Sienaria 10 mion Pockage. cgns Co:47 of Gompone Regnanion
Determination /in with Hear "godnu of fit) Re = 1 - SSR SSM SSR = Sim & Squan oner (nignulos lin) (Mian line) SSM Z (× (y, - 4)) Regn. $\left(\sum_{i=1}^{n} (v_i - \hat{y_i})^{\perp}\right)_{min}$ SSR = 1 3 done some Galti kan SSM R2=0) He SSN=0 = SSN=0 3 men putet line (R; :) Reproblement well line se

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3

(4) R2 Score (Independent of Genteral) pridiction rignulo Cgna pockage (Ino) if no igna muint, the to predict then went Can Sienavia in mion pockage. Costs of Compare Regnanion
Costs of Vine with Hear
Vine "gordnu & fit) Re = 1 - SSR SSM OSR = Sam & Squan oner (nyonula lin) SSM Z (Mian line) (× (4:-41) Rign $\left(\sum_{i=1}^{n} (v_i - \hat{y_i})^{-1}\right)_{min}$ (R2=0) Men SSR = 1 3 dans some Galti kan SSN SSN Ros) SSN = 0 = 1 SSN = 0 3 mean putet line * [R2 -)] Re <P (SJR >1) -- Rigns line man wali line se jyoda galti kan raha hav'

[gpa] explain 80%. of Rz - 0.80 Varion in Gra (gra / Ina Column (Pro) -1 variat & r. Gpg and ig mil he Cgra/ia/loa de rohi Lai. in autnut cal Re Scan
11 This amount of Marione in explained
by input column). #(5) Adjusted Re Scone. Re Ston Cypa/ Ipa if add man input-cal or thin Re Score Budhta has

Ryuhi juada input-colum invision

Re Score

Pro
Auch with If inversel Colum added (1,0), timp) Re temp/ gna/ lipa Va Va Whega Va Ana his Mohaga Adjusted R2 \[R^2 adj = 1-\left(\frac{(1-R2)(n-1)}{(n-1-1c)}\right) Rz scone n + no. of via, Column oddd temp chum R(A) pe no. 9 R2 (7) Advant Column R(T) R's en independent/ Typut Column Rady (1) nodding melnul. I'man Regrasion. Multiple Celura)