XGBoost

· XGBoost for Regression

Problem:

cgpa	package.	man de la serie
6.7	4.5	Predict package given agpa.
9.0	11.0	reale great grant
7.5	6.0	- Caucin Cours & Course
5.0	8.0	

⇒ Stage 1: Calculate mean of column 'package'
Mean (package) ≈ 7.3 → Model1

>	cgpa	package	model	residual1 = package - model1
	6.7	4.5	7.3	-2.8
	9.0	11.0	7.3	3.7
6 - 1	7-5	6.0	7.3	-1.3
	5.0	8.0	7.3	0-7

Similarity Score (SS) = (\(\Sigma\) residuals)^2

(For regression) # residuals + \(\gamma\) regularization

parameter (assume =0)

1-2-8, 3-7, -1-3, 0.7 → SS = (-2.8+3.7-1.3+0.7)2 ≈ 0.02

Sort capa column -

Ang of Two adjacent coppa

5.85 Splitting residuals on the basis of 7.5 >7.1

5.85, 7.1, 98.25 in decision tree whose leaf nodes give highest gain in 89.





