***Advance KNN***

KNN in Regression?

Hyperparameters in KNN (hyperparameter tuning)

**KNN Regressor**

**KNN regressor sbh kuch same krrha hai as KNN classifier except 1 thing**

**Ki yaha majority count or election vala scene nahi hota**

**Idhr balki hum sbh data points ka Average yatou kch cases mai Median nikalke Output Predict karte hai**

**Overfitting**

**If k = 1 hai tou**

**Pass ka jo value hai vahi vo query point ko consider karlega**

**Suppose query point hai ek jiska cgpa hai 9.9 so vo kya krega uske jo closest cgpa hai e.g 9.5 vo vahi cgpa ko consider karlega.**

**Underfitting**

**K ka Value bht zyaada hai tou Underfitting hota hai**

**k-high -> Underfitting**

**k-low -> Overfitting**

**Limitations: Same as KNN Classifier**