

Data Preprocessing



Manual



Auto

- 1 Missing value larni toltiramiz
- 2 Encoding (Categorical to numerical)
- 3 Scaling (Juda katta va juda kichkina qiymatlarni balanslashtirish uchun ishlatilnadigan Data Preprocessing bo'limi)

Tushirib qoldirilgan qiymatlarni toltirmasak nima boladi?

Kod umumamn ishlamay erorr berishi mumkin (stop bolip toxtap qolishi mumkin)

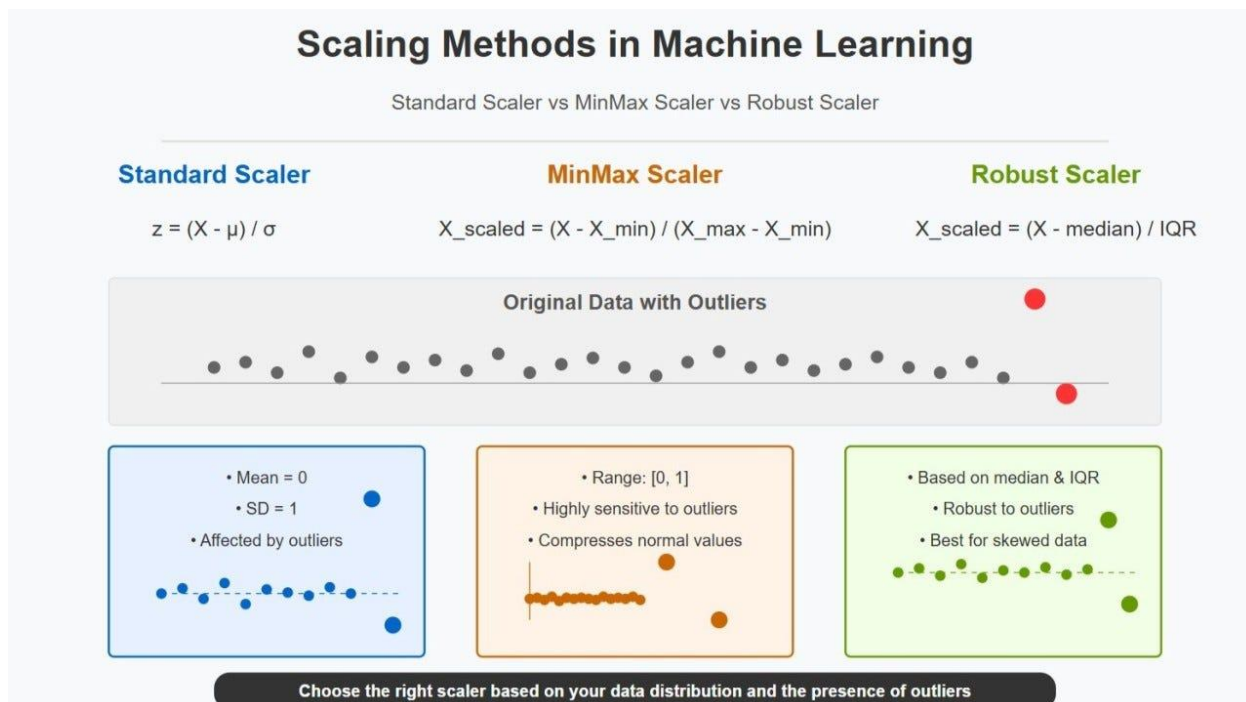
Yoki

Ishlashi mumkin lekin hato predict qilishi mumkin

Scaling qolash qoidalari:

- 1) Numeric Categarocial qiymatga scaling qilish hojot yoq

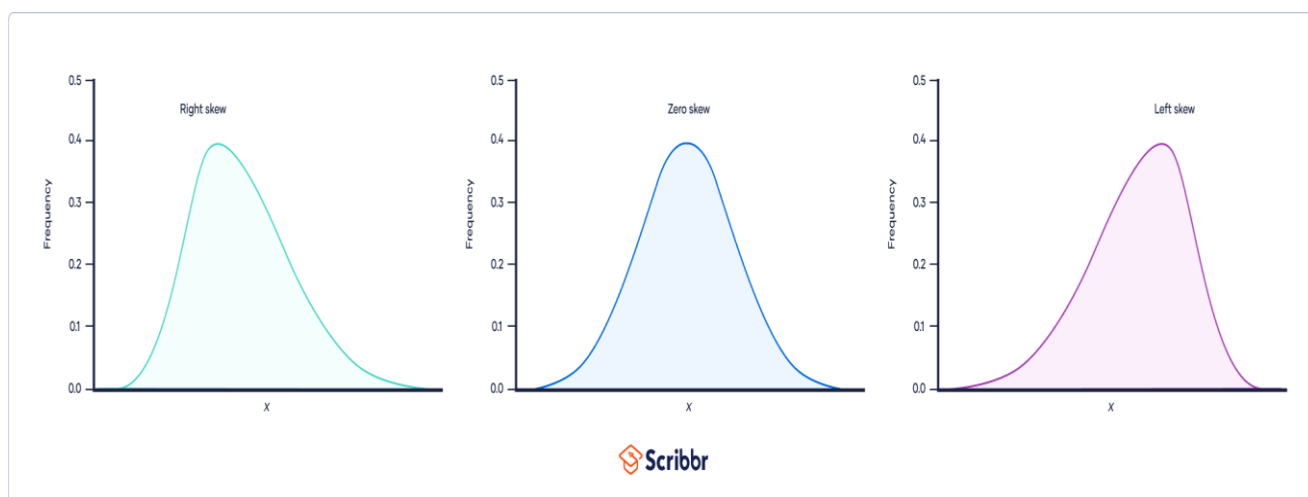
2)[0,1] Qiymatlar ozidan ozi kichkina bolsa [0,1]
scaling qilish hojot yoq ❌



MinMax scaler aniq konkret [0,1] oraliqa tushirib beradi

Lekin Standard va Robust ta boladigan bolsa manfiy tarafga otib ketishi mumkin

Symetric va skeweness degan tushinshalar bor



Raw Data-----Data tanishuv-----PR-----M----- Model Selection(Algorithm=Method)

E

S