

ene apde ek column (others) me nakhi daisu
So jeh apdi 40 columns banvani hoi e 10 j banse
have to apde dimensions par ocha thayi and
apde kadam par thai gayu.

* Column Transformer:- (Day - 28)

"A Column Transformer is a tool in scikit-learn (Python Library) that allows you to apply different preprocessing techniques to different columns of your dataset at the same time."

⇒ Why it is useful?

- Real-world datasets usually have mixed data types (numbers + categories)
- Diff. columns need different transformations.

→ Column Transformer helps automate this without doing manual preprocessing for each column separately

⇒ Eg:-

Age	Salary	City
25	40000	Delhi
30	60000	Mumbai.

- Age & Salary → Scale (numerical transformation)
- City → One-Hot Encode (categorical transformation)

→ Column Transformer ek sklearn scikit learn tool che je apne dataset ma different type ke columns par alag alag preprocessing ek sath apply karva de che, jaise numerical columns par scaling aur categorical encoding, etc mixed data types hoi to pan upde easily ek pipeline ma preprocess kari sake without writing separate code for each column.