✒️ Feature Construction

Using the prexisting features to create new ones.
This process is totally dependent upon the domain knowledge.

This is a manual process and has no mathematical formulation involved.

For example in our titnic data we have   SibSp   Parent

we can mix those to create a column called Family Type with values → 0, 1, 2 etc

siblering spouse

Person is travelling ↩ alone.

As a begginer feature construction is defficult and becomes easy you become a domain expert.

✒️ Feature Splitting

When you have more atomic values, lore data is not that easy. All more values in a single cell [Mr Akshay Sakpal]

salutation   Name   lastName

what we can do is to split these thing into 3 different colums

Salutation	First	Last
Mr	Akshay	Sakpal

This is how feature splitting works.