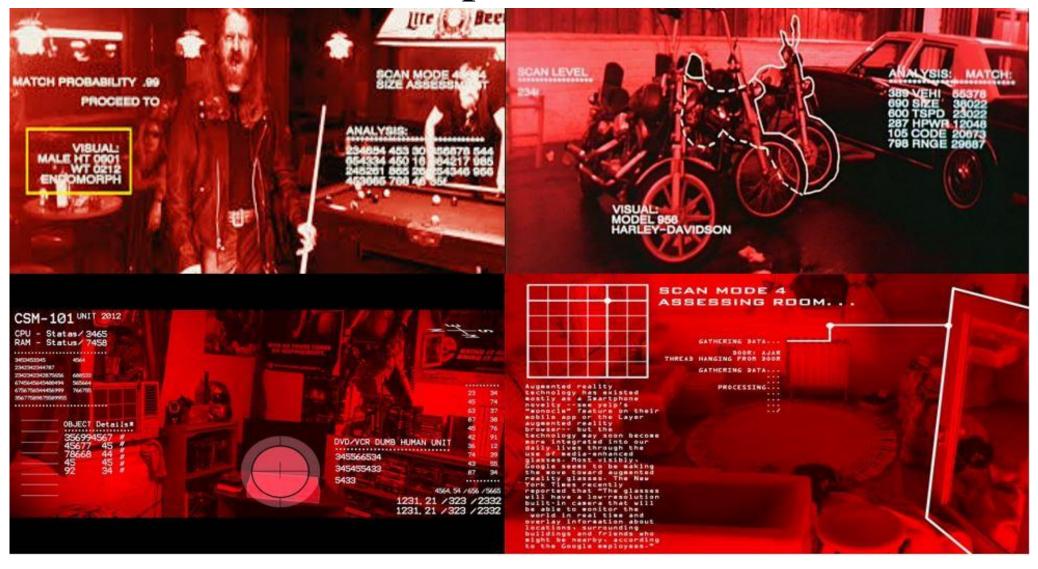# Pipeline

Objectives

- Challenges with current code
- Understanding Pipeline
- Solving Problems using Pipeline
- Challenges with Pipeline
- Solving hetrogenous data problem with ColumnTransformer

Challenges

- Developer have to do manually the preprocessing followed by putting the data in the estimators

- Different features need different preprocessing

- It's very cumbersome to do things the current way

- We have to preserve manually all the preprocessors used

Ordinal Encoding

- Low<medium< high

Dealing with Hetrogenous Data

- Regular Pipeline intends to do same processing for all the columns
- This doesn't work for hetrogenous data