1Dataset collection

Dataset selection

2EDA=> EXPLOARATORY DATA

3DATA PREPROCESSING

4FEATURE EXTRACTION

5FEATURE SELECTION

6ML MODEL

DL MODEL

FL MODEL

XAI MODEL

DATA PREPROCESSING

3 STEPS

1 DATA CLEANING

1.1 MISSING DATA HANDLING

1.1.1 IGNORE

1.1.2 FILL THE MISSING THE DAYA

1.2 NOISE DATA

1.3 CLEANING

2 DATA TRANSFORMATION

Noralization

attribute selection

discretition

3 DATA REDUCTION

data agregation

subset selection

dimentionality reduction

Exploratory data analysis

Univaritate analysis=>1 feature

Bivaritate analysis=>2 features

Multivaritate analysis=>multi features (spss,saas,weka)

outliers

feature engineering(adding a new feature)

Distribution plots

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