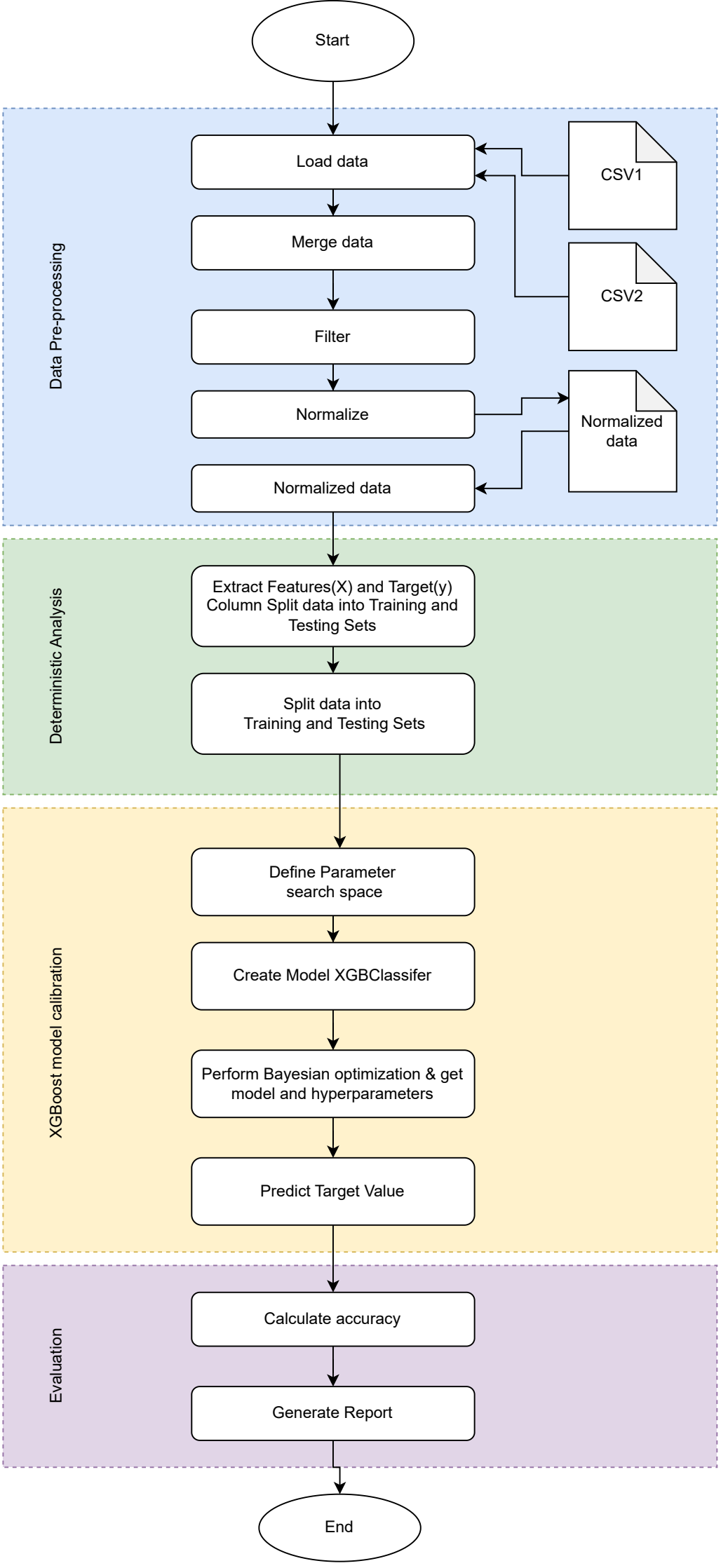
Start
Data Pre-processing
Load data
Merge data
Filter
Normalize
Normalized data
CSV1
CSV2
Normalized data
Deterministic Analysis
Extract Features(X) and Target(y) Column Split data into Training and Testing Sets
Split data into Training and Testing Sets
XGBoost model calibration
Define Parameter search space
Create Model XGBClassifer
Perform Bayesian optimization & get model and hyperparameters
Predict Target Value
Evaluation
Calculate accuracy
Generate Report
End