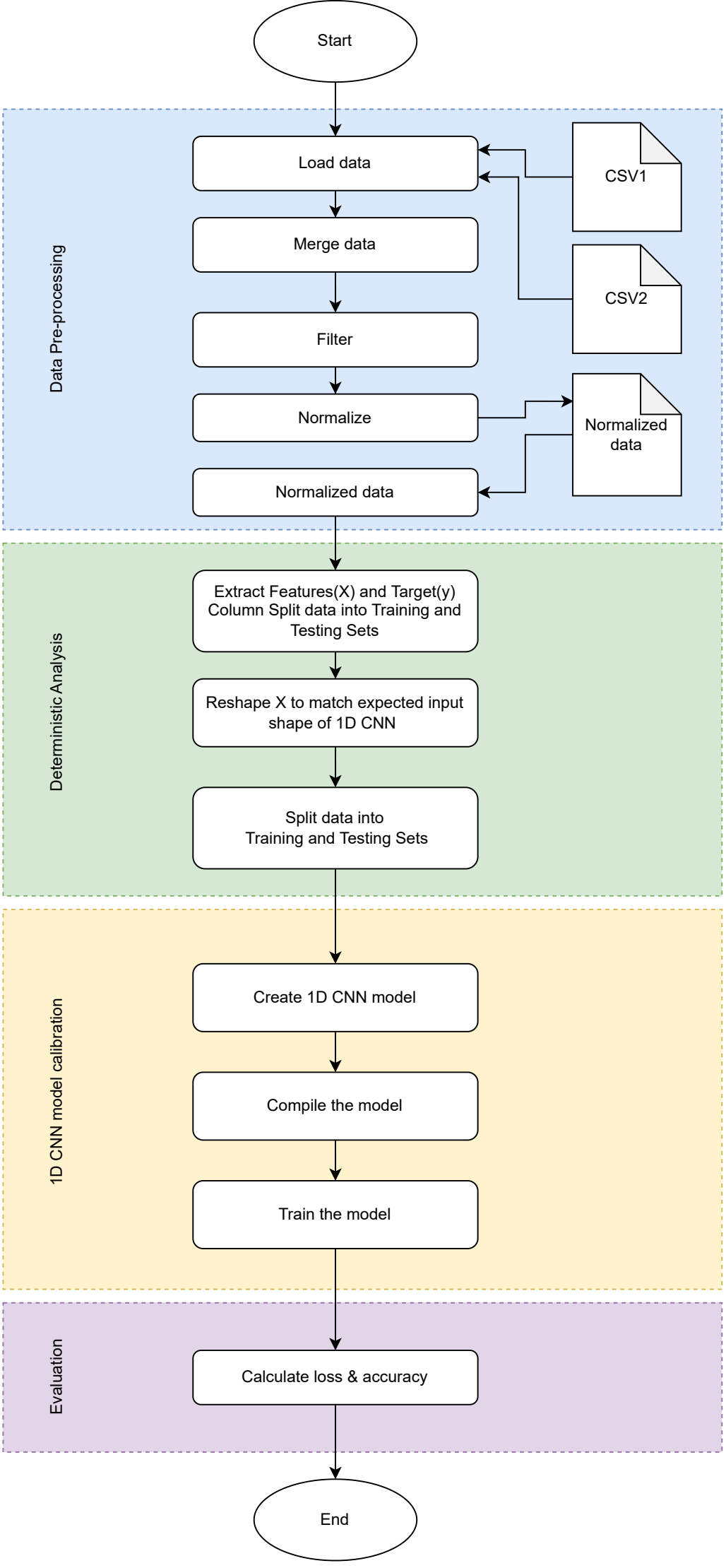
Start
Data Pre-processing
Load data
Merge data
Filter
Normalize
Normalized data
CSV1
CSV2
Normalized data
Deterministic Analysis
Extract Features(X) and Target(y) Column Split data into Training and Testing Sets
Reshape X to match expected input shape of 1D CNN
Split data into Training and Testing Sets
1D CNN model calibration
Create 1D CNN model
Compile the model
Train the model
Evaluation
Calculate loss & accuracy
End