Water Quality Input

Evaluation

Data Preprocesssing

Methodology

Data Exploration

Location Data

Design Percentile

Water Quality

Analysis Output

Outlier Detection
(Box plot Analysis)

Regression
evaluation(MAE,MSE
,RMSE)

Data Split (Cross
Validation)

Water Quality data Blending

Regression Models(WQI Prediction)

classification Evaluation

(Accuracy,Precision,Recall)

Discrete and
Summary Data

Software Quality Assurance

Data Splitting

Water Quality Data Blending

Output to
User