**Meta-features extraction**

**Test dataset**

**Training Data**

***D***

**Pre-processing**

**Meta-features extraction**

**Predicted model**

**Meta-learner**

**Meta-dataset**

**Run all models**

**Pre-processing**

**e.g. Metric-based:**

**Meta-feature space**

***f1* metric**

**AUC-PRC**

**AUC-ROC**

**Prediction**

**Meta-learning phase**

**Training phase**