Appendix

A Systematic-Architectural-Perspective Based Performance Analysis of A-MERIT-C- Dynamic Learning Multitiered Ensemble-Based Real Time Flight Data Analysis

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Annexure

Classifiers with hyperparameter settings in Scikit –Multiflow

- ExtremelyFastDecisionTreeClassifier

  (binary_split=False,leaf_prediction='nba',nb_threshold=0,nominal_attributes=None,

  split_confidence=1e-07,split_criterion='info_gain',stop_mem_management=False,)

- HoeffdingAdaptiveTreeClassifier

  (binary_split=False, bootstrap sampling=True,leaf_prediction='nba',no_preprune=False, nominal attributes=None,random_state=None, remove_poor_atts=False, split_confidence=1e-07, split criterion='info gain', stop_mem_management = False)

- HoeffdingTreeClassifier

  (binary_split=False, leaf prediction='nba', no_preprune=False, nominal attributes=None,

  remove_poor_atts=False, split_confidence=1e-07,split_criterion='info gain', stop_mem_management=False,tie_threshold=0.05)

- VeryFastDecisionRulesClassifier

  (drift_detector=None, expand_confidence=1e-07,expand_criterion='info_gain',max_rules=1000, min_weight=100, nb_prediction=True, nb_threshold=0, nominal_attributes=[none], ordered_rules=True remove_poor_atts=False,rule_prediction='first_hit',tie_threshold=0.05)]

- SAMKNNClassifier
  (ltm_size=0.4, max_window_size=None, min_stm_size=50, n_neighbors=5, stm_size_option='maxACCApprox', use_ltm=True, weighting='distance')