

Meta-Learning Co-Training Dataset Initialization $tbl_experiments$ • Pick 2 sets of features [currently: random] Discretize [currently: Equal width, 10 groups] • Split to training and test sets [currently: 70%-30%] **Extract Performance Statistics** Co-training Calculate one Original **Entire dataset** classifier AUC dataset {subset} Calculate AVG Split by feature sets AUC **Partitioned** Dataset Dataset tbl_Test_Set_Evaluation_Results dataset Calculate Part 1 Part 2 Multiplication AUC Run classifier Run classifier Performance distribution Statistics All DS score Labels and Labels and Entire confidence confidence Dataset DS part 1 score Add top Calculate score confident labels Dataset distribution DS part 1,2 Part 1 AVG score 8 samples: 2 per class, per part DS part 1,2 Multiplication score Compare score Dataset distribution to tbl_ Part 2 previous New dataset iterations DS part 2 score iteratetbl_Co_Training_Added_Samples **Instance Statistics** Instance label instance statistics Instance in Dataset part 1 Instance conf. score Delta label Compare statistics statistics to previous Instance label tbl_ iterations Instance in Dataset part 2 Delta score Instance conf. statistics score **Batch Statistics** Batch size and classes Batch statistics Score Instance in distribution the batch Compare to Instances previous similarity tbl_ distribution