Synthetic Data: Algorithm Performance by Scenario (* = Best)

Algorithm	High-High-Mean	High-High-Slope	High-Low-Mean	High-Low-Slope	Low-High-Mean	Low-High-Slope	Low-Low-Mean	Low-Low-Slope
adwin_river	**0.11**	**0.11**	**0.06**	**0.03**	**0.11**	**0.22**	**0.18**	**0.10**
changefinder_sdar	**0.04**	**0.03**	**0.03**	**0.03**	**0.47**	**0.16**	**0.29**	**0.10**
changepoint_online_focus	**0.21**	**0.13**	**0.09**	**0.07**	**0.70**	**0.17**	**0.60**	**0.16**
changepoint_online_gaussian	**0.41**	**0.36** ★	**0.29**	**0.26**	**0.67**	**0.28**	**0.48**	**0.25**
changepoint_online_md_focus	**0.21**	**0.13**	**0.09**	**0.07**	**0.66**	**0.17**	**0.61**	**0.15**
changepoint_online_np_focus	**0.19**	**0.06**	**0.02**	**0.08**	**0.58**	**0.04**	**0.67**	**0.04**
ewma_numpy	**0.21**	**0.19**	**0.20**	**0.21**	**0.57**	**0.14**	**0.37**	**0.12**
ocpdet_cumsum	**0.23**	**0.29**	**0.30** ★	**0.26**	**0.29**	**0.26**	**0.33**	**0.33**
ocpdet_ewma	**0.18**	**0.15**	**0.18**	**0.16**	**0.57**	**0.10**	**0.32**	**0.11**
ocpdet_neural_networks	**0.19**	**0.15**	**0.15**	**0.23**	**0.79**	**0.14**	**0.51**	**0.23**
ocpdet_two_sample_tests	**0.50** ★	**0.31**	**0.14**	**0.16**	**0.37**	**0.32**	**0.41**	**0.43** ★
page_hinkley_river	**0.32**	**0.30**	**0.23**	**0.27** ★	**0.66**	**0.22**	**0.26**	**0.25**
rulsif_roerich	**0.13**	**0.05**	**0.06**	**0.04**	**0.24**	**0.07**	**0.24**	**0.04**
skf_kalman_canary	**0.03**	**0.06**	**0.02**	**0.01**	**1.00** ★	**0.11**	**0.66**	**0.02**
ssm_canary	**0.09**	**0.14**	**0.10**	**0.09**	**1.00** ★	**0.34** ★	**0.77** ★	**0.15**
tagi_lstm_ssm	**0.08**	**0.15**	**0.13**	**0.04**	**1.00** ★	**0.18**	**0.67**	**0.10**

Algorithm

Scenario (Noise-Magnitude-Type)

F1 Score: 1.0, 0.8, 0.6, 0.4, 0.2