Ground Truth

Ground_Truth_Continuous. ipynb

Ground_Truth_Binary.ipynb

Thresholds_Cold_Waves. ipynb

Reforecast Predictors

S2S_Preprocess_ Meteorological_Predictor_ Fields.ipynb

S2S_Statistics_of_Field_ Input_Data.ipynb

S2S_PCA_of_Field_Input_ Data.ipynb

Reanalysis Predictors

ERA5_Preprocess_ Meteorological_Predictor_ Fields. ipynb

ERA5_All_Grid_Points_of_ Field_Input_Data.ipynb

ERA5_Statistics_of_Field_ Input_Data.ipynb

ERA5_PCA_of_Field_Input_ Data.ipynb

Climatological Ensemble

Climatological_Ensemble. ipynb

Reforecast Ensemble

S2S_Reforecasts_Ensemble. ipynb

Lead_Time_Dependent_Mean_ Bias_Correction_S2S_Re forecasts_Ensemble.ipynb

S2S_Reforecasts_Cold_ Wave_Day_Ensemble.ipynb

Train and Forecast with QRF

QRF_Model_Training.ipynb

QRF_Model_Forecast.ipynb

Train and Forecast with RFC

RFC_Model_Training.ipynb

RFC Model Forecast.ipynb

CRPS

Skill_Assessment_ Climatological_Ensemble_ CRPS.ipynb

Skill_Assessment_S2S_ Reforecasts_Ensemble_CRPS. ipynb

Skill_Assessment_QRF_CRPS. ipynb

BS

Skill_Assessment_ Climatological_Ensemble_ BS.ipynb

Skill_Assessment_S2S_ Reforecasts_Ensemble_ BS.ipynb

Skill_Assessment_RFC_ BS.ipynb Note: for most of the Python files there is an accompanying YAML file

Comparison Models (CRPSS, BSS)

Plotting_CRPSS_Multi_ Winter_Mean_and_WR_ sorted.ipynb

Plotting_BSS_Multi_ Winter_Mean_and_WR_ sorted.ipynb

Feature Importance

Feature_Importance_QRF_ Model.ipynb

Feature_Importance_RFC_ Model.ipynb