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

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

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

Note: for most of the Python files there is an accompanying YAML file