

<><> General Information <><>

Test: 109
ID: GW075025.1.1
Region: Coastal
Latitude: -33.932117
Longitude: 151.228967
Data Start: 07/04/2000
Data End: 17/04/2021
Average Period: 30
Train Set Split: 80.0%
Test Set Split: 20.0%
Lag(s): 3
Lead(s): 1
Output: av_swl
Input 1: av_swl
Input 2: av_sm_pct
Input 3: av_s0_pct
Input 4: av_dd
Input 5: av_ss_pct

<><> Run Identifiers <><>

Run 1: 2022_10_09__16_37_27
Run 2: 2022_10_09__16_37_54
Run 3: 2022_10_09__16_38_28
Run 4: 2022_10_09__16_38_55
Run 5: 2022_10_09__16_39_19
Run 6: 2022_10_09__16_39_46
Run 7: 2022_10_09__16_40_17
Run 8: 2022_10_09__16_40_54
Run 9: 2022_10_09__16_41_19
Run 10: 2022_10_09__16_41_41

<><> LSTM <><>

Average Train Root Mean Squared Error:	0.0502013575577732
Average Train Mean Squared Error:	0.002543656439082472
Average Train Normalised Root Mean Squared Error:	0.0502013575577732
Average Train Coefficient of Determination:	0.948019968128591
Average Train Normalised Nash Sutcliffe Efficiency:	0.9506843442384542
Average Train Mean Absolute Error:	0.039835641565390566
Average Train Pearson's Correlation Coefficient:	0.9846836220256495
Average Train Index of Agreement:	0.9847670838944567
Average Train Kling-Gupta Efficiency:	0.8508684354210153
Average Train Mean Bias Error:	-0.008010745776475479
Average Train Mean Absolute Percentage Error:	0.026121309475284432

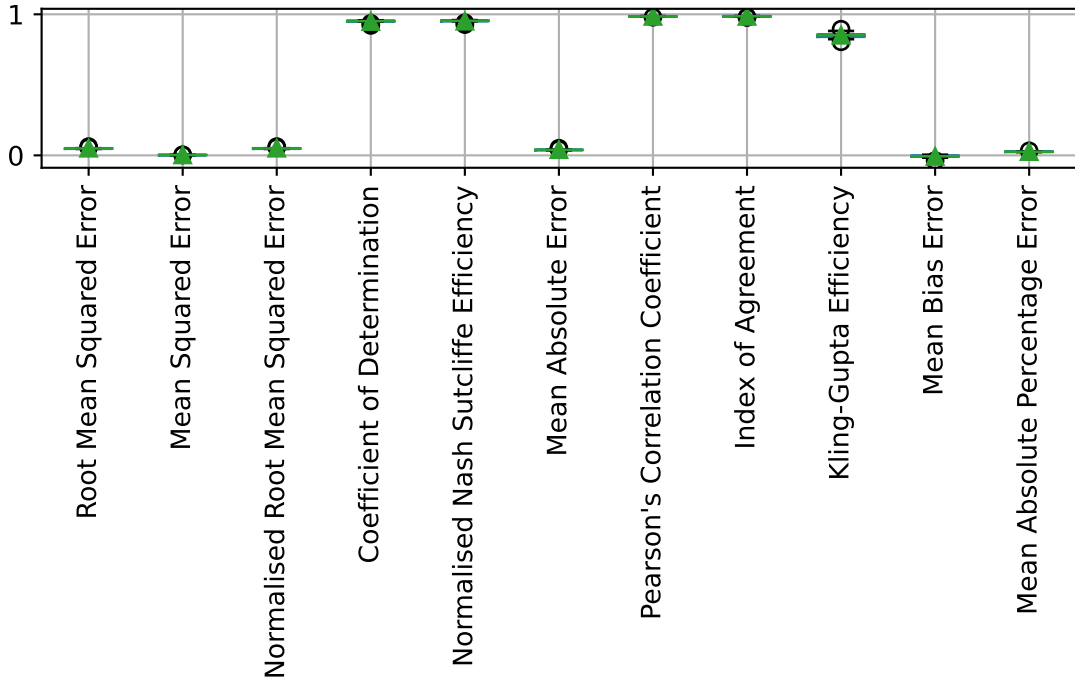
Average Test Root Mean Squared Error:	0.03746064485598257
Average Test Mean Squared Error:	0.0014242842681064071
Average Test Normalised Root Mean Squared Error:	0.07722363676516407
Average Test Coefficient of Determination:	0.9058671357254893
Average Test Normalised Nash Sutcliffe Efficiency:	0.9144108119125318
Average Test Mean Absolute Error:	0.030091849754948795
Average Test Pearson's Correlation Coefficient:	0.9704737066859112
Average Test Index of Agreement:	0.9716008366557596
Average Test Kling-Gupta Efficiency:	0.8266732303659907
Average Test Mean Bias Error:	-0.013187645948894109
Average Test Mean Absolute Percentage Error:	0.01791538912371228

<><> SVR <><>

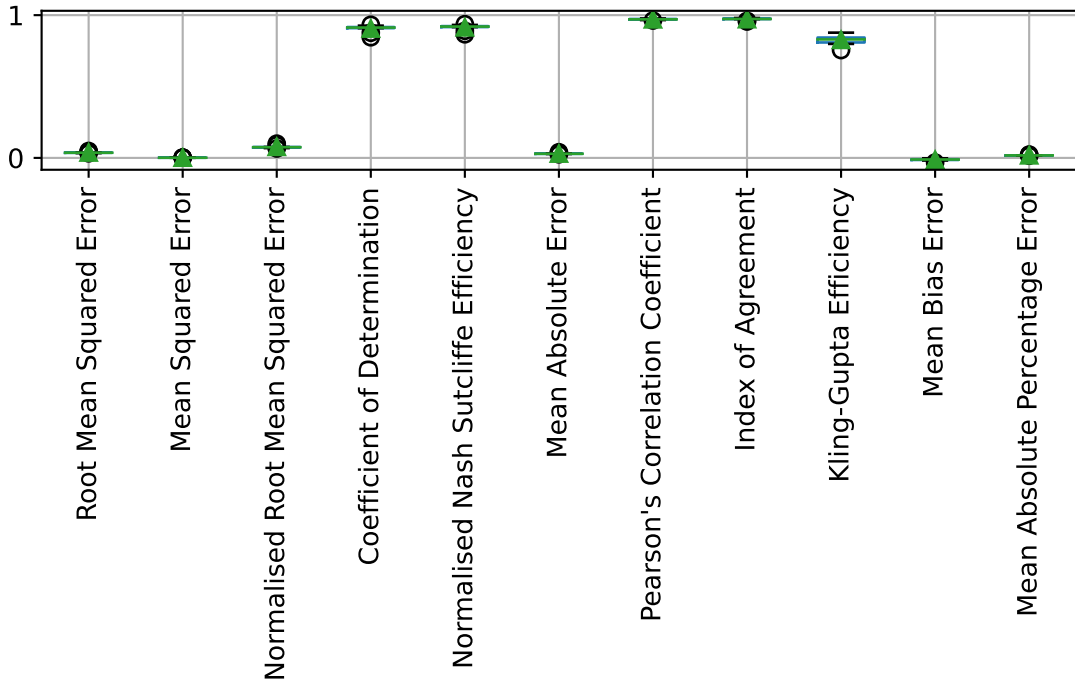
Average Train Root Mean Squared Error:	0.05511950897663413
Average Train Mean Squared Error:	0.00303816026982525
Average Train Normalised Root Mean Squared Error:	0.055119508976634105
Average Train Coefficient of Determination:	0.9379147021470674
Average Train Normalised Nash Sutcliffe Efficiency:	0.9415439626379898
Average Train Mean Absolute Error:	0.04548824847657652
Average Train Pearson's Correlation Coefficient:	0.9712931816661576
Average Train Index of Agreement:	0.9829613522324523
Average Train Kling-Gupta Efficiency:	0.9132713840068309
Average Train Mean Bias Error:	-0.01211682166004996
Average Train Mean Absolute Percentage Error:	0.03028515375792451

Average Test Root Mean Squared Error:	0.03296622311313408
Average Test Mean Squared Error:	0.0010867718663449357
Average Test Normalised Root Mean Squared Error:	0.06795856422107095
Average Test Coefficient of Determination:	0.9281737846279701
Average Test Normalised Nash Sutcliffe Efficiency:	0.9329870697862164
Average Test Mean Absolute Error:	0.025577807214578897
Average Test Pearson's Correlation Coefficient:	0.9664670962134908
Average Test Index of Agreement:	0.9806458637413277
Average Test Kling-Gupta Efficiency:	0.9283753404808845
Average Test Mean Bias Error:	-0.008768947656540666
Average Test Mean Absolute Percentage Error:	0.01527249141283082

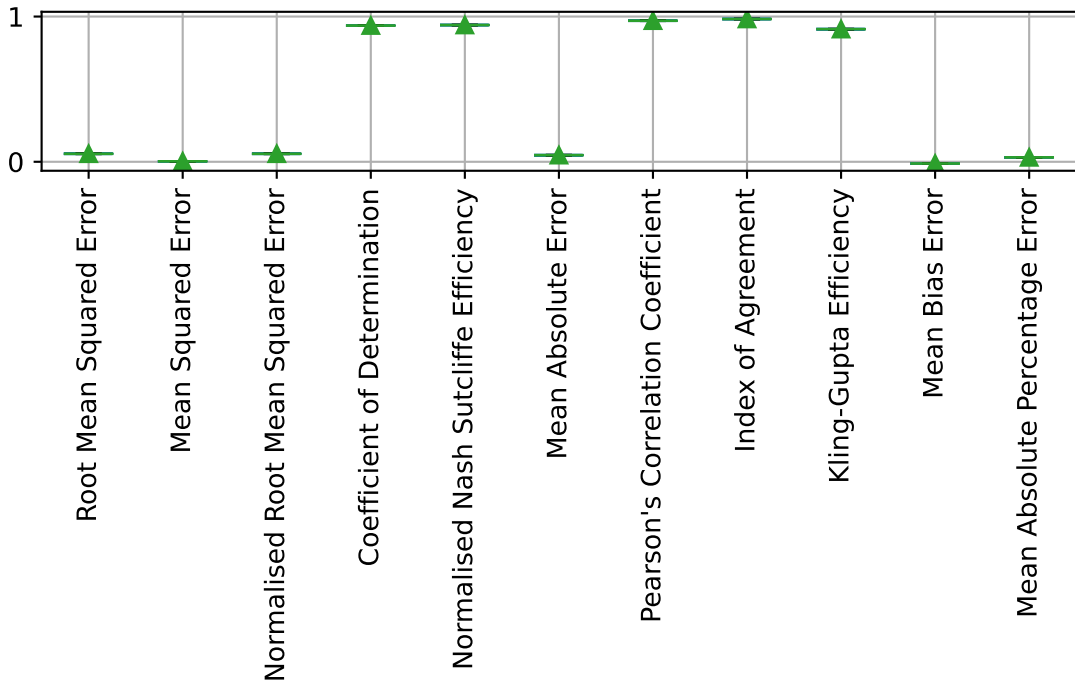
LSTM Train Scores



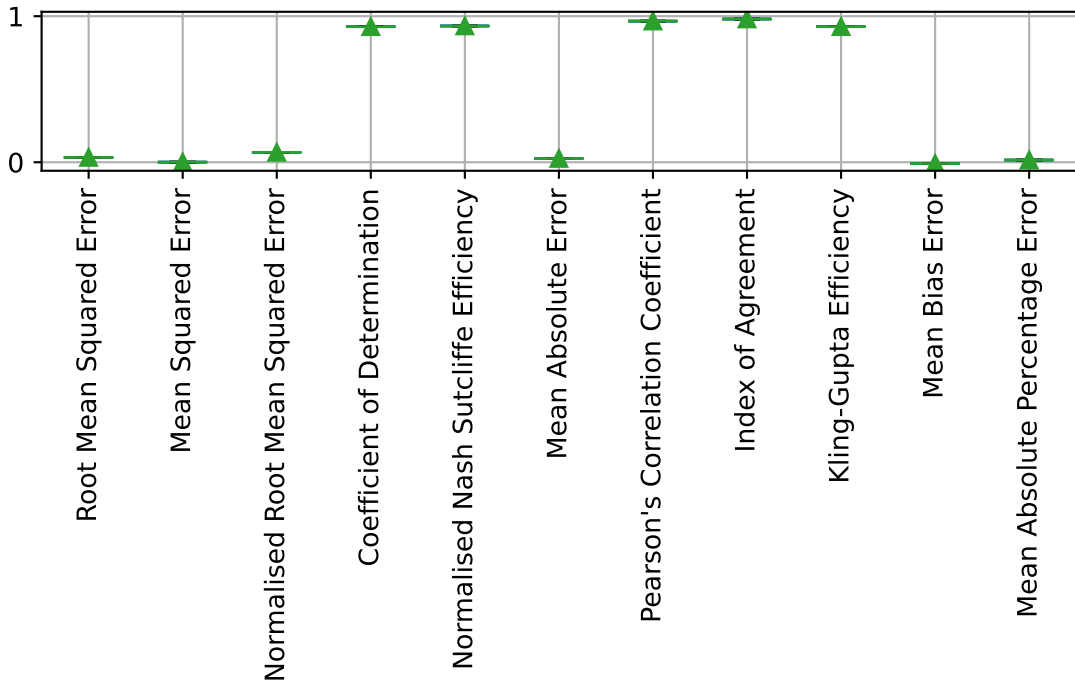
LSTM Test Scores



SVR Train Scores



SVR Test Scores



Input Variable Correlation Heatmap

