

<><> General Information <><>

Test: 131
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_sw1
Input 1: av_sw1
Input 2: av_sm_pct
Input 3: av_s0_pct
Input 4: av_dd
Input 5: av_et_morton_actual
Input 6: av_sd_pct

<><> Run Identifiers <><>

Run 1: 2022_10_09__19_24_42
Run 2: 2022_10_09__19_25_13
Run 3: 2022_10_09__19_25_39
Run 4: 2022_10_09__19_26_12
Run 5: 2022_10_09__19_26_36
Run 6: 2022_10_09__19_27_04
Run 7: 2022_10_09__19_27_31
Run 8: 2022_10_09__19_28_06
Run 9: 2022_10_09__19_28_32
Run 10: 2022_10_09__19_28_59

<><> LSTM <><>

Average Train Root Mean Squared Error:	0.05652340771691509
Average Train Mean Squared Error:	0.003212642448963775
Average Train Normalised Root Mean Squared Error:	0.05652340771691505
Average Train Coefficient of Determination:	0.934349130518265
Average Train Normalised Nash Sutcliffe Efficiency:	0.9384707599638391
Average Train Mean Absolute Error:	0.04530442944929136
Average Train Pearson's Correlation Coefficient:	0.9806717516651456
Average Train Index of Agreement:	0.9805370911603755
Average Train Kling-Gupta Efficiency:	0.8408601040755261
Average Train Mean Bias Error:	-0.008053542627120375
Average Train Mean Absolute Percentage Error:	0.02964863031286178

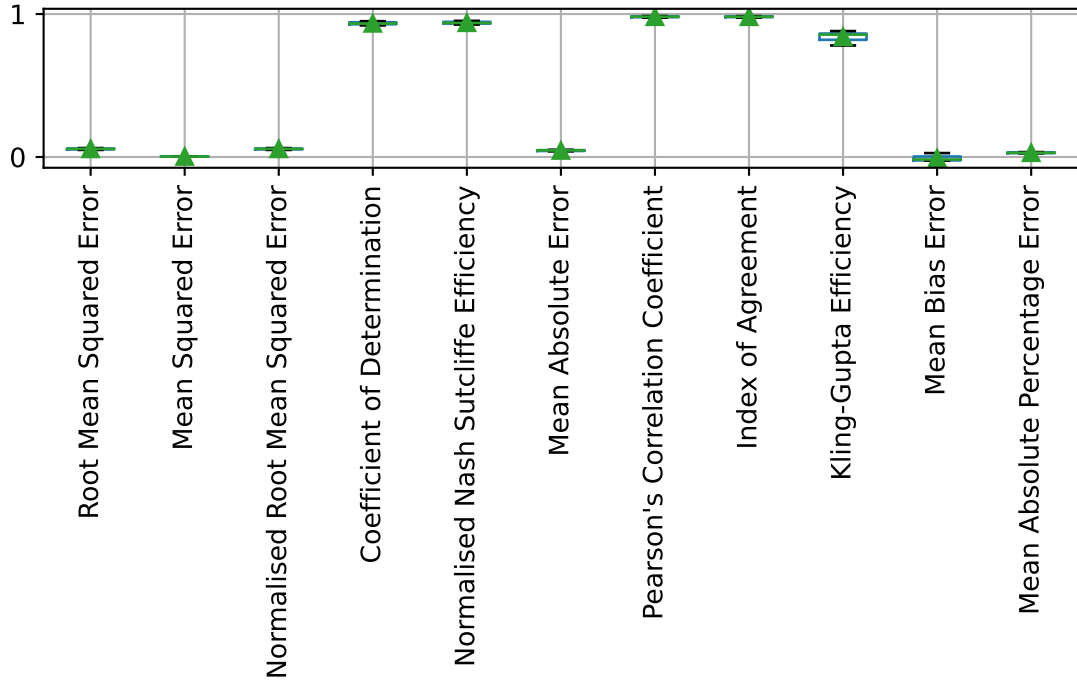
Average Test Root Mean Squared Error:	0.04461424949564105
Average Test Mean Squared Error:	0.002031159888967586
Average Test Normalised Root Mean Squared Error:	0.09197050960673918
Average Test Coefficient of Determination:	0.865757909127076
Average Test Normalised Nash Sutcliffe Efficiency:	0.8826633768740262
Average Test Mean Absolute Error:	0.0380224216455277
Average Test Pearson's Correlation Coefficient:	0.9592450311276016
Average Test Index of Agreement:	0.9599429519504525
Average Test Kling-Gupta Efficiency:	0.8260814804567419
Average Test Mean Bias Error:	-0.01719418783447578
Average Test Mean Absolute Percentage Error:	0.02270740595842575

<><> SVR <><>

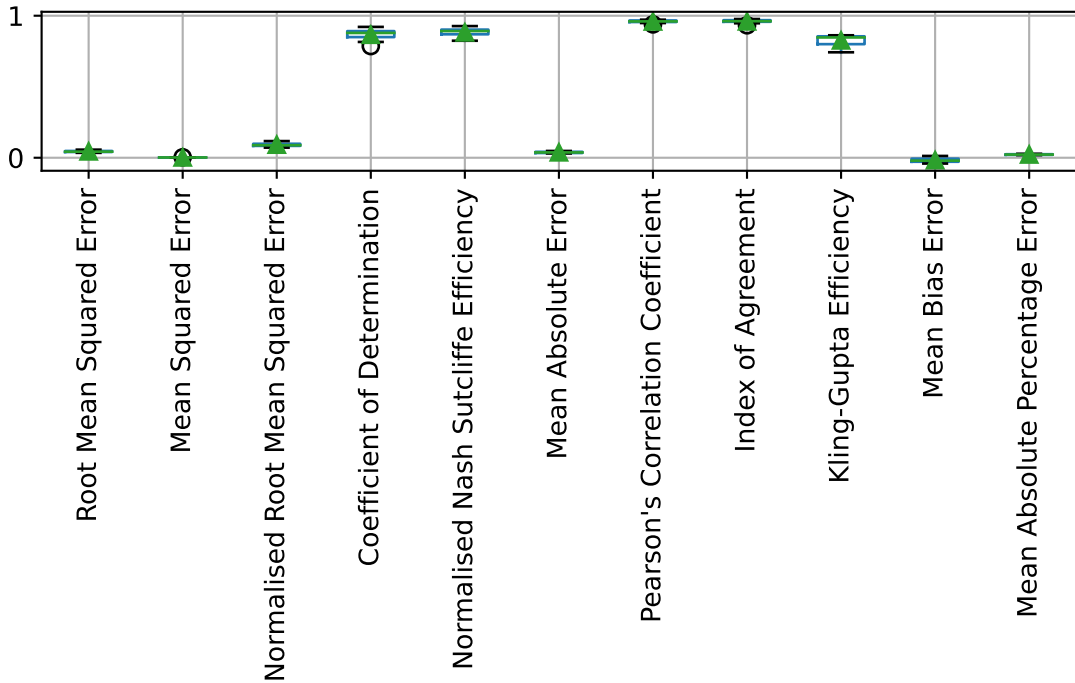
Average Train Root Mean Squared Error:	0.05669192511138911
Average Train Mean Squared Error:	0.003213974372835348
Average Train Normalised Root Mean Squared Error:	0.05669192511138908
Average Train Coefficient of Determination:	0.9343219124379336
Average Train Normalised Nash Sutcliffe Efficiency:	0.9383696743616852
Average Train Mean Absolute Error:	0.046623080813802044
Average Train Pearson's Correlation Coefficient:	0.9747239778153431
Average Train Index of Agreement:	0.9807699973708501
Average Train Kling-Gupta Efficiency:	0.8548342047524498
Average Train Mean Bias Error:	-0.010446115201278581
Average Train Mean Absolute Percentage Error:	0.03091117790554617

Average Test Root Mean Squared Error:	0.029133533006104655
Average Test Mean Squared Error:	0.0008487627454177892
Average Test Normalised Root Mean Squared Error:	0.06005762525441537
Average Test Coefficient of Determination:	0.9439041277750706
Average Test Normalised Nash Sutcliffe Efficiency:	0.9468837312025951
Average Test Mean Absolute Error:	0.023482856059721367
Average Test Pearson's Correlation Coefficient:	0.9809379224870678
Average Test Index of Agreement:	0.9841082810184074
Average Test Kling-Gupta Efficiency:	0.8815254256624618
Average Test Mean Bias Error:	-0.011683095384096032
Average Test Mean Absolute Percentage Error:	0.014162788785330022

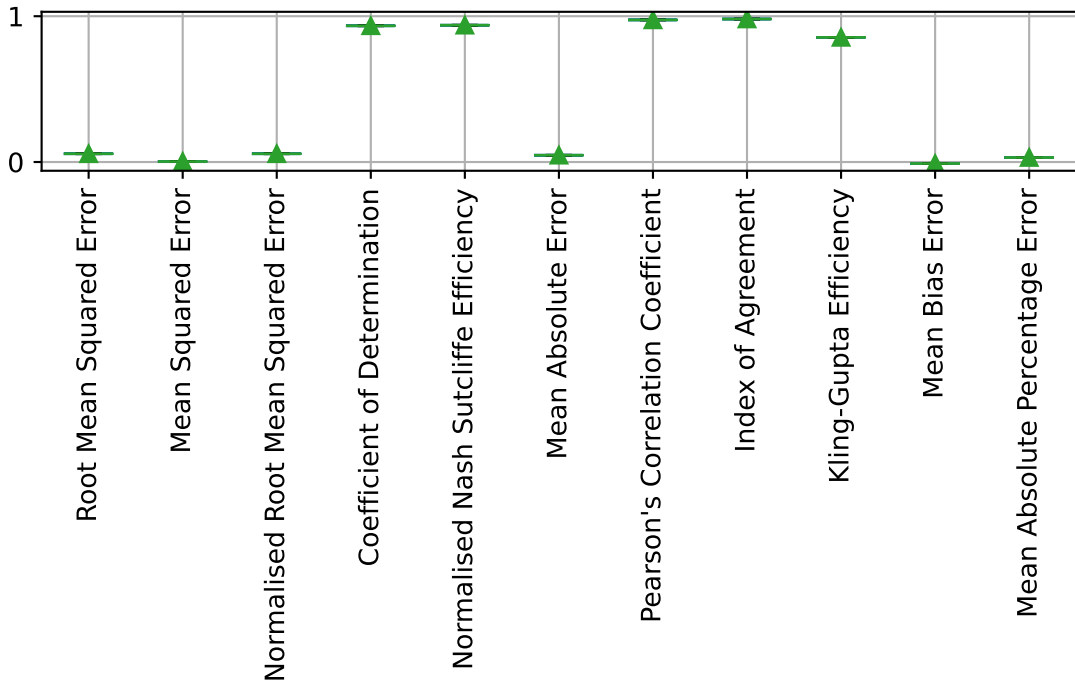
LSTM Train Scores



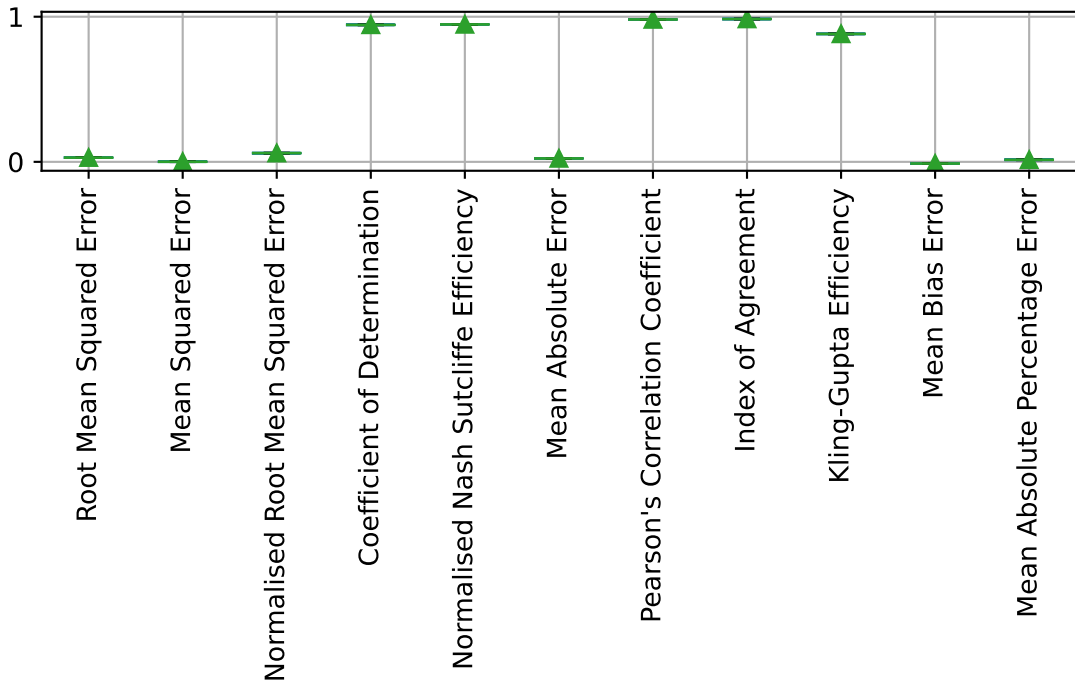
LSTM Test Scores



SVR Train Scores



SVR Test Scores



Input Variable Correlation Heatmap

