

<><> General Information <><>

Test: 12  
ID: GW036872.1.1  
Region: Coastal  
Latitude: -30.923963  
Longitude: 153.044423  
Data Start: 01/05/2010  
Data End: 31/08/2021  
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\_daily\_rain

<><> Run Identifiers <><>

Run 1: 2022\_10\_05\_\_14\_57\_22  
Run 2: 2022\_10\_05\_\_14\_57\_40  
Run 3: 2022\_10\_05\_\_14\_57\_56  
Run 4: 2022\_10\_05\_\_14\_58\_13  
Run 5: 2022\_10\_05\_\_14\_58\_36  
Run 6: 2022\_10\_05\_\_14\_58\_55  
Run 7: 2022\_10\_05\_\_14\_59\_13  
Run 8: 2022\_10\_05\_\_14\_59\_54  
Run 9: 2022\_10\_05\_\_15\_00\_45  
Run 10: 2022\_10\_05\_\_15\_01\_37

<><> LSTM <><>

Average Train Root Mean Squared Error:	0.08605380983347784
Average Train Mean Squared Error:	0.007408853170491269
Average Train Normalised Root Mean Squared Error:	0.10962105250267022
Average Train Coefficient of Determination:	0.7030108299396075
Average Train Normalised Nash Sutcliffe Efficiency:	0.7710948639532484
Average Train Mean Absolute Error:	0.06741753776577368
Average Train Pearson's Correlation Coefficient:	0.9294303228541649
Average Train Index of Agreement:	0.8700758280273193
Average Train Kling-Gupta Efficiency:	0.5268538782361617
Average Train Mean Bias Error:	-0.004557957210829783
Average Train Mean Absolute Percentage Error:	0.05500021750858033

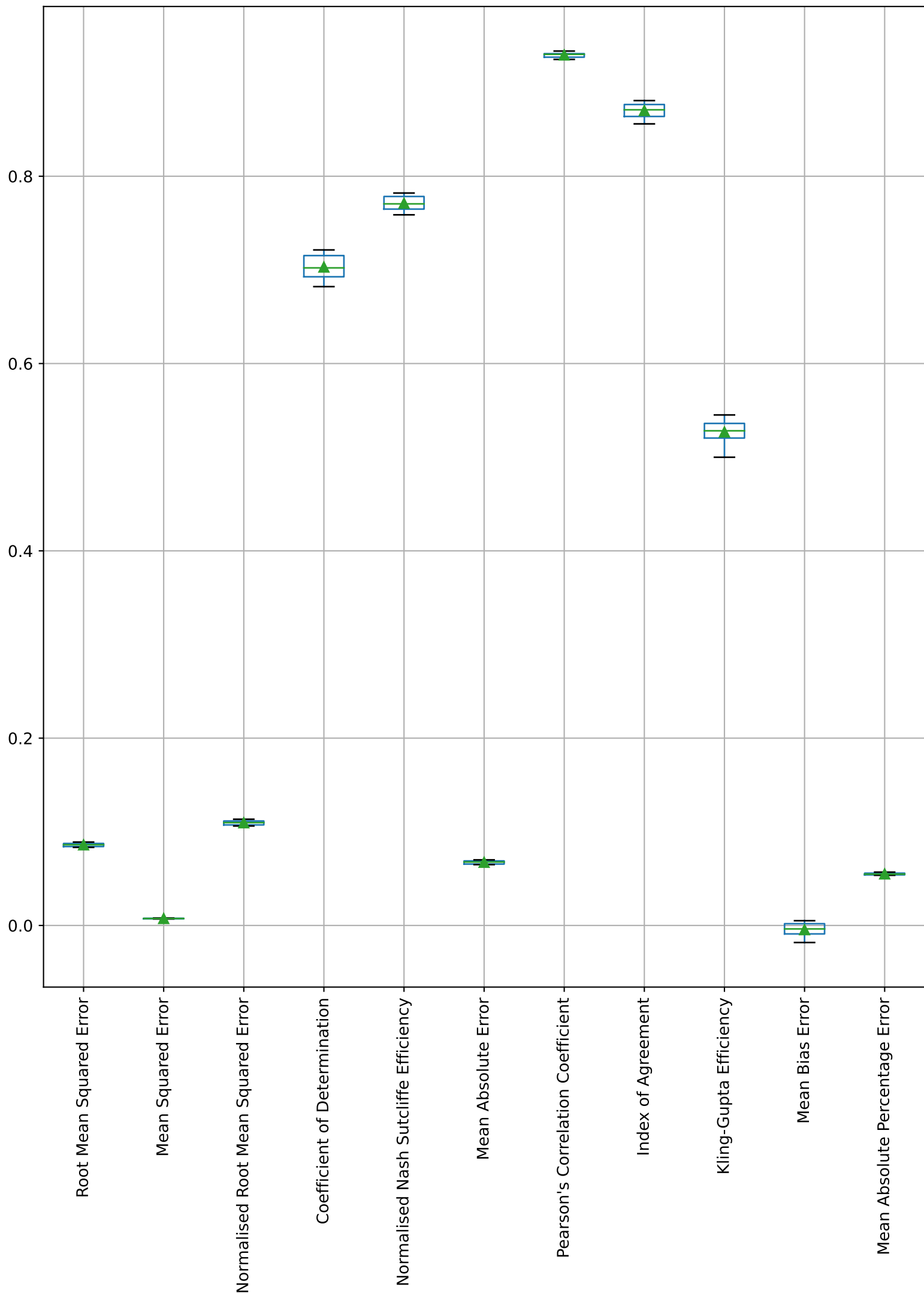
Average Test Root Mean Squared Error:	0.15109064601995711
Average Test Mean Squared Error:	0.022845473051110947
Average Test Normalised Root Mean Squared Error:	0.15109064601995711
Average Test Coefficient of Determination:	0.6945400766722569
Average Test Normalised Nash Sutcliffe Efficiency:	0.7661378833877095
Average Test Mean Absolute Error:	0.1276967853424877
Average Test Pearson's Correlation Coefficient:	0.943937303457772
Average Test Index of Agreement:	0.8629952378394258
Average Test Kling-Gupta Efficiency:	0.502495773831148
Average Test Mean Bias Error:	-0.01778709628547874
Average Test Mean Absolute Percentage Error:	0.11379273576210958

<><> SVR <><>

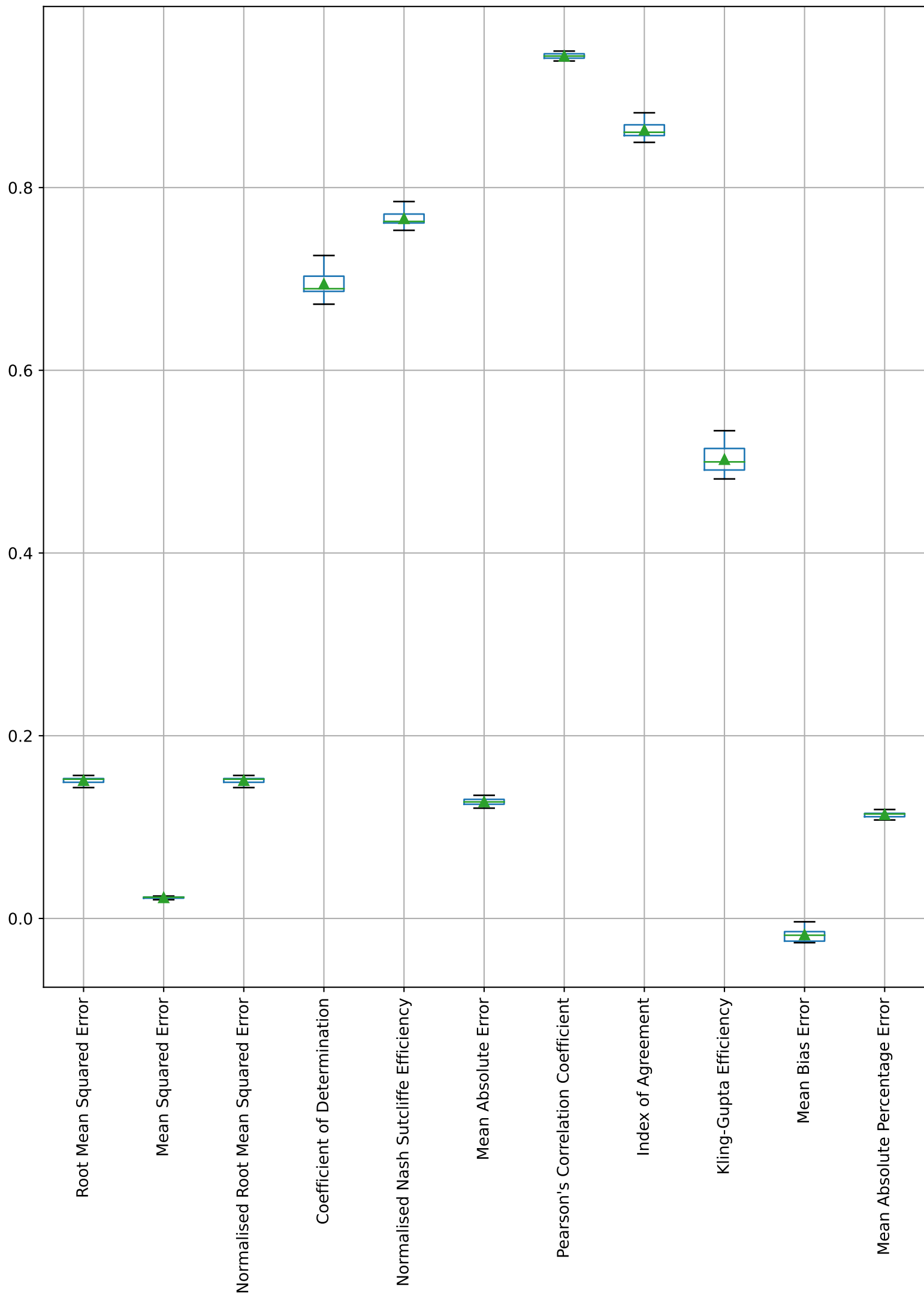
Average Train Root Mean Squared Error:	0.05558536664635923
Average Train Mean Squared Error:	0.003089732985210185
Average Train Normalised Root Mean Squared Error:	0.07080832803697912
Average Train Coefficient of Determination:	0.8761458468848362
Average Train Normalised Nash Sutcliffe Efficiency:	0.8897951724680129
Average Train Mean Absolute Error:	0.04567430884254969
Average Train Pearson's Correlation Coefficient:	0.9419577814261968
Average Train Index of Agreement:	0.9624325570626546
Average Train Kling-Gupta Efficiency:	0.8277693266382373
Average Train Mean Bias Error:	-0.0028014249489662084
Average Train Mean Absolute Percentage Error:	0.03692679771116116

Average Test Root Mean Squared Error:	0.13421889078694907
Average Test Mean Squared Error:	0.01801471064407897
Average Test Normalised Root Mean Squared Error:	0.13421889078694907
Average Test Coefficient of Determination:	0.7591307424538428
Average Test Normalised Nash Sutcliffe Efficiency:	0.8058866749406937
Average Test Mean Absolute Error:	0.09757369688624738
Average Test Pearson's Correlation Coefficient:	0.912866741449917
Average Test Index of Agreement:	0.9087567292231638
Average Test Kling-Gupta Efficiency:	0.6399256609165157
Average Test Mean Bias Error:	0.021816032556429808
Average Test Mean Absolute Percentage Error:	0.0958647923325069

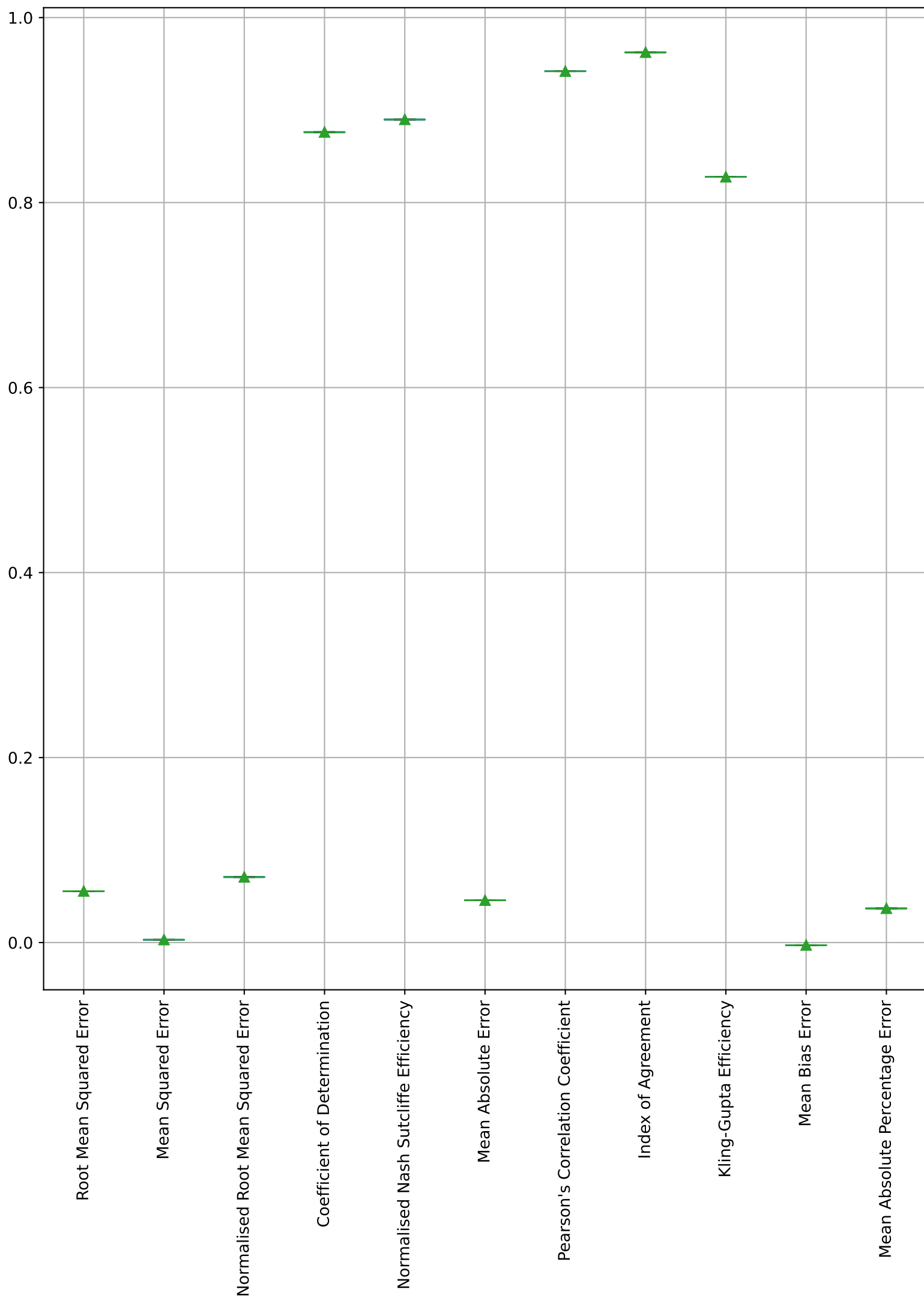
LSTM Train Scores



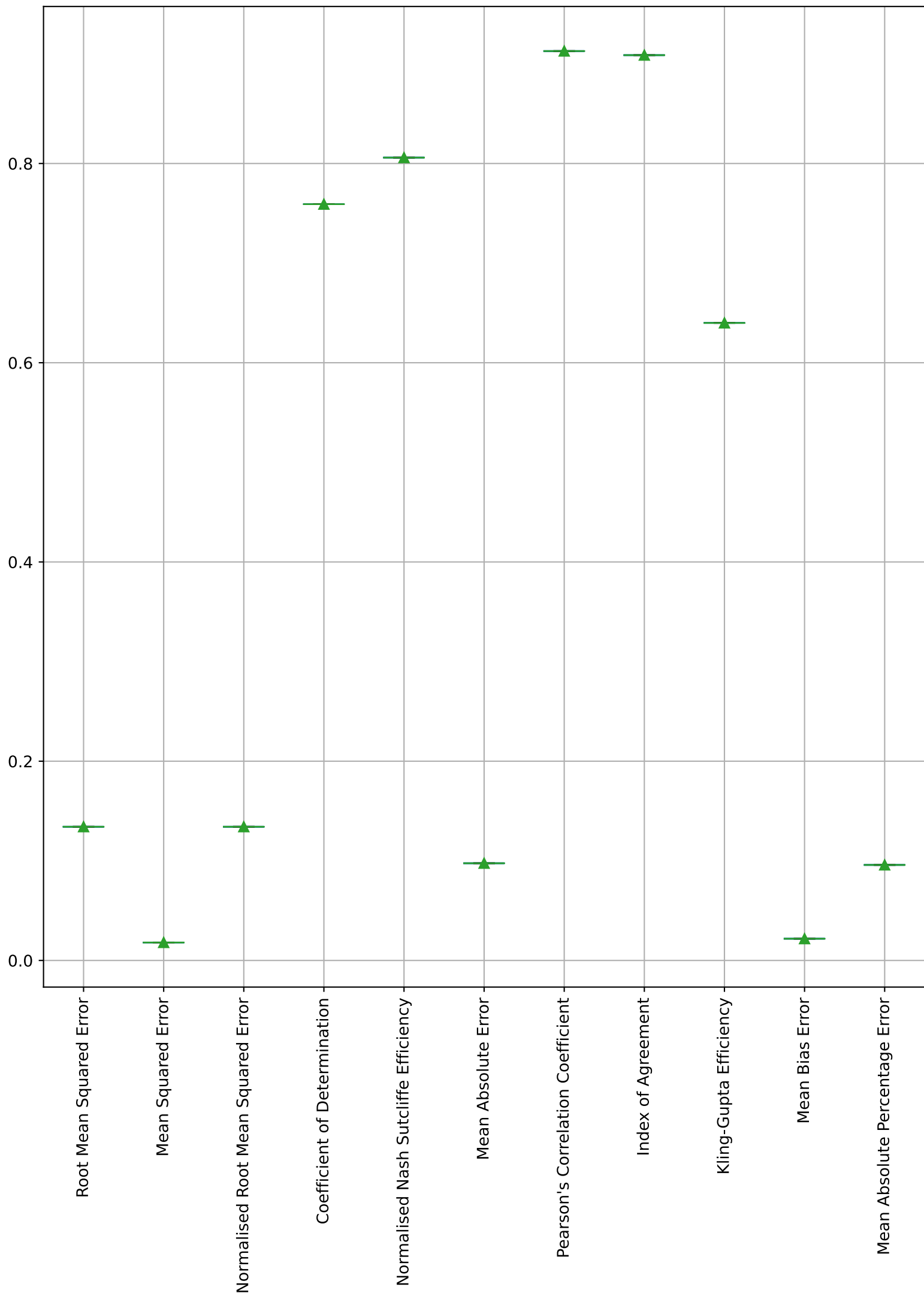
LSTM Test Scores



SVR Train Scores



SVR Test Scores



Input Variable Correlation Heatmap

