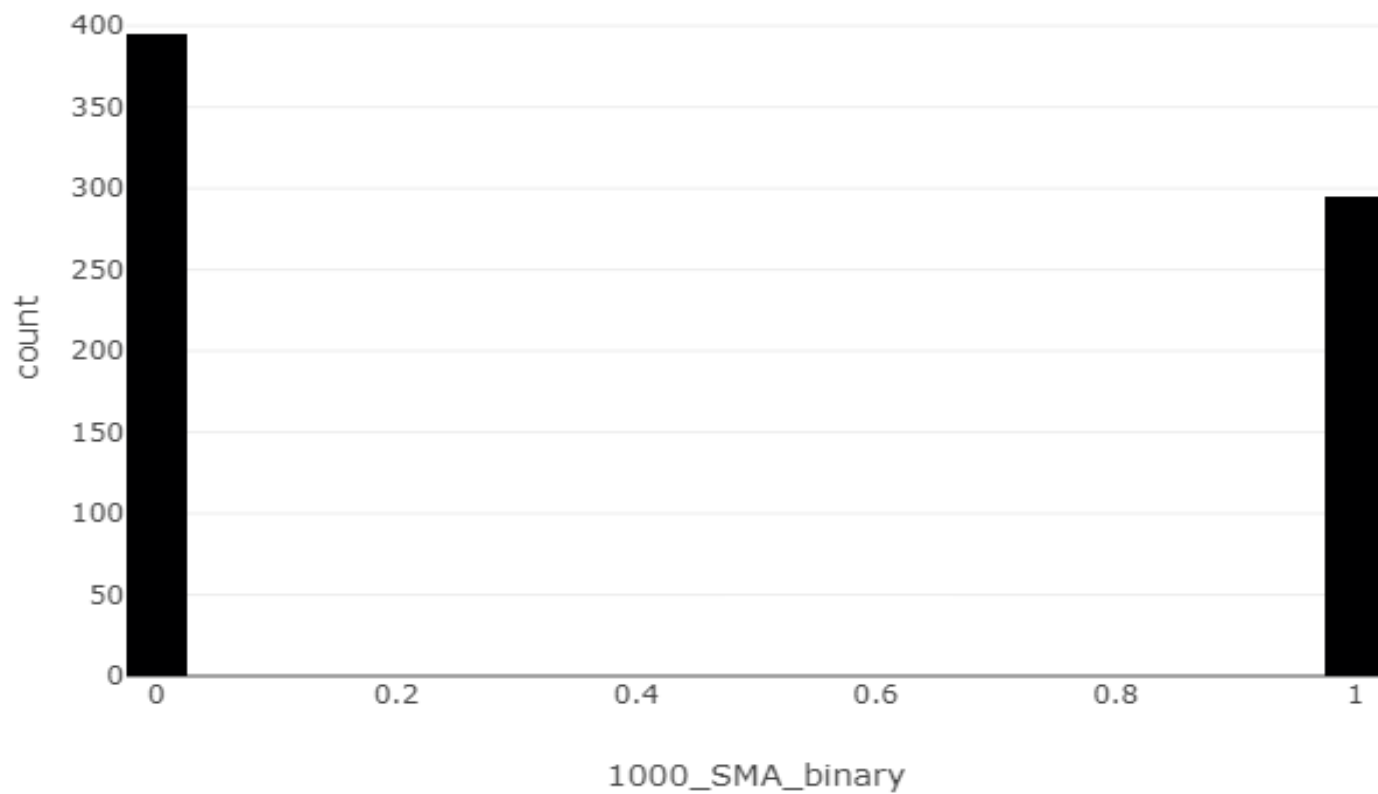
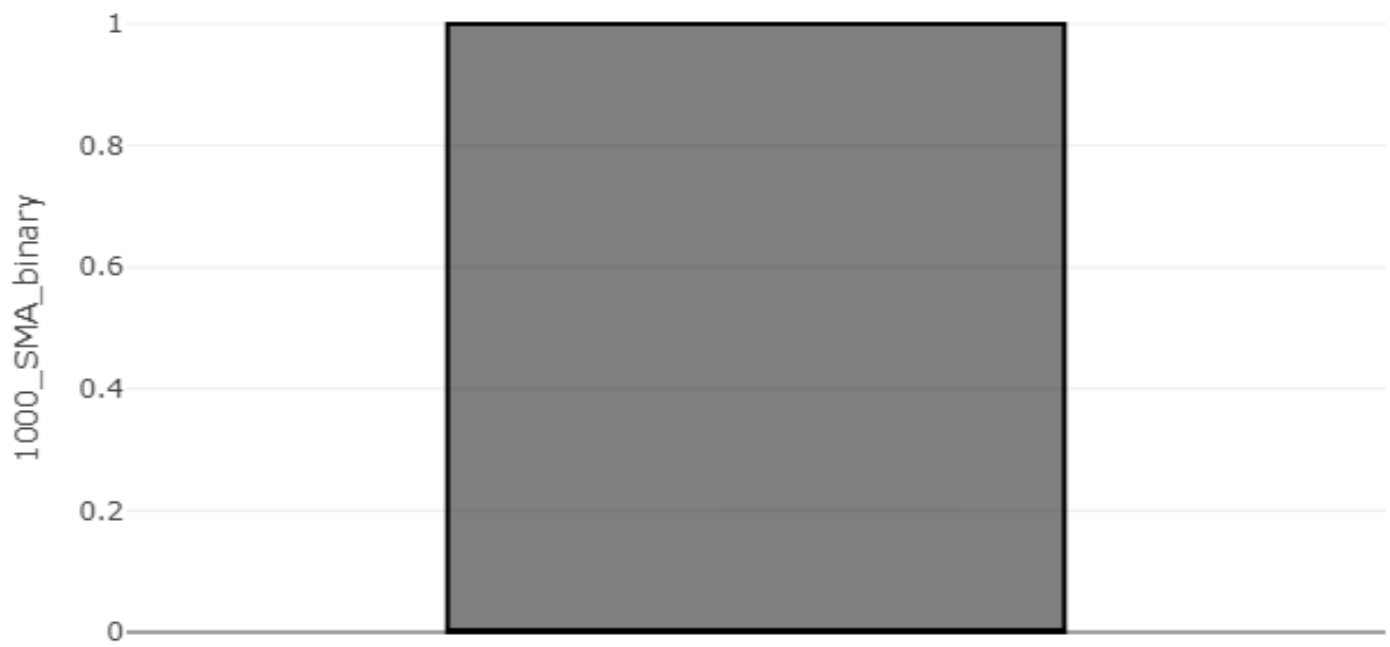


Histogram of 1000_SMA_binary



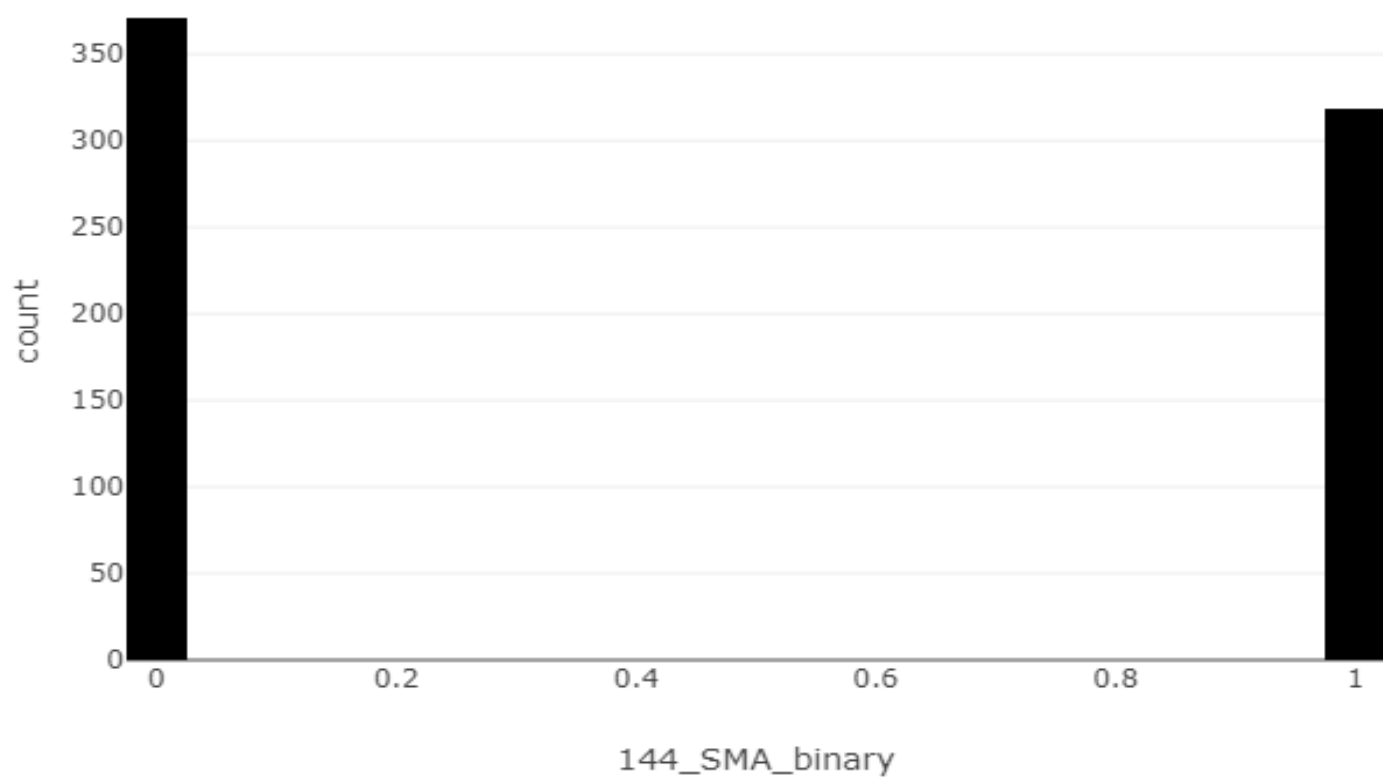
Histogram of 1000_SMA_binary

Box Plot of 1000_SMA_binary



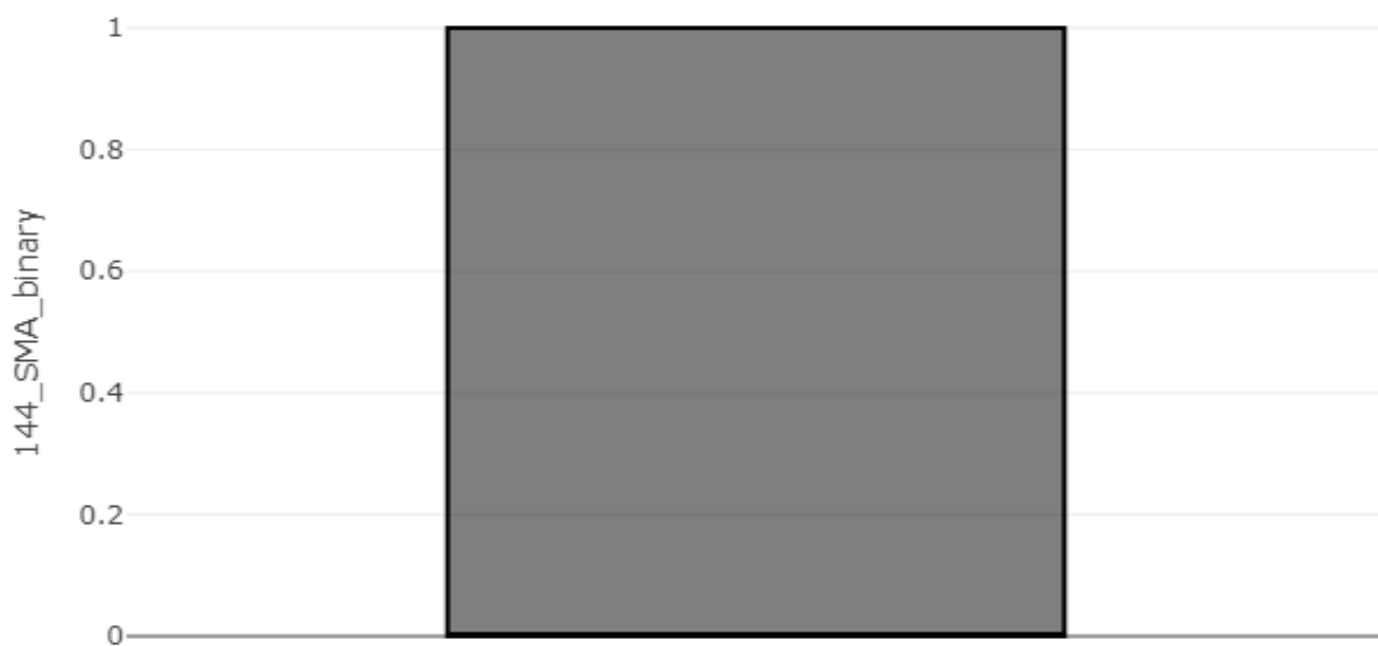
Box Plot of 1000_SMA_binary

Histogram of 144_SMA_binary



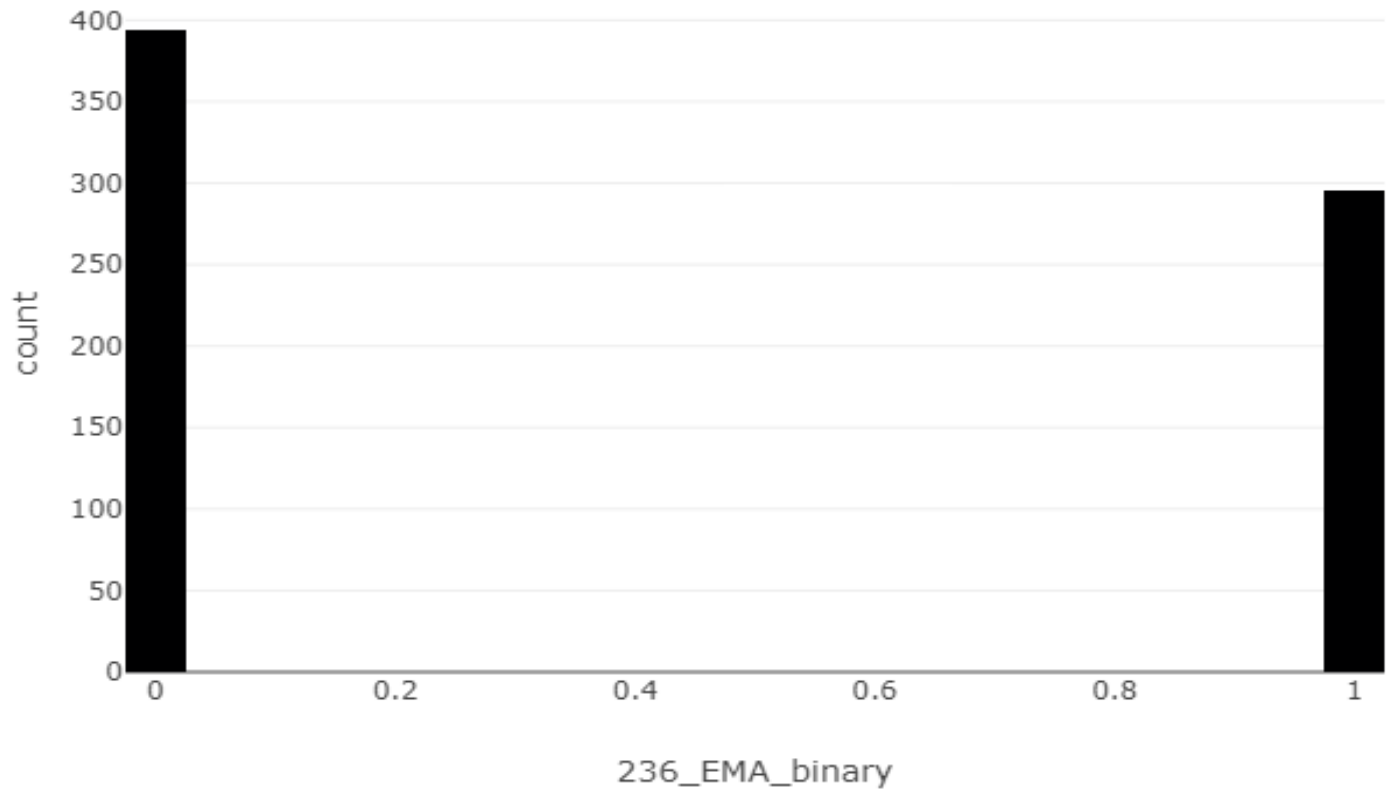
Histogram of 144_SMA_binary

Box Plot of 144_SMA_binary



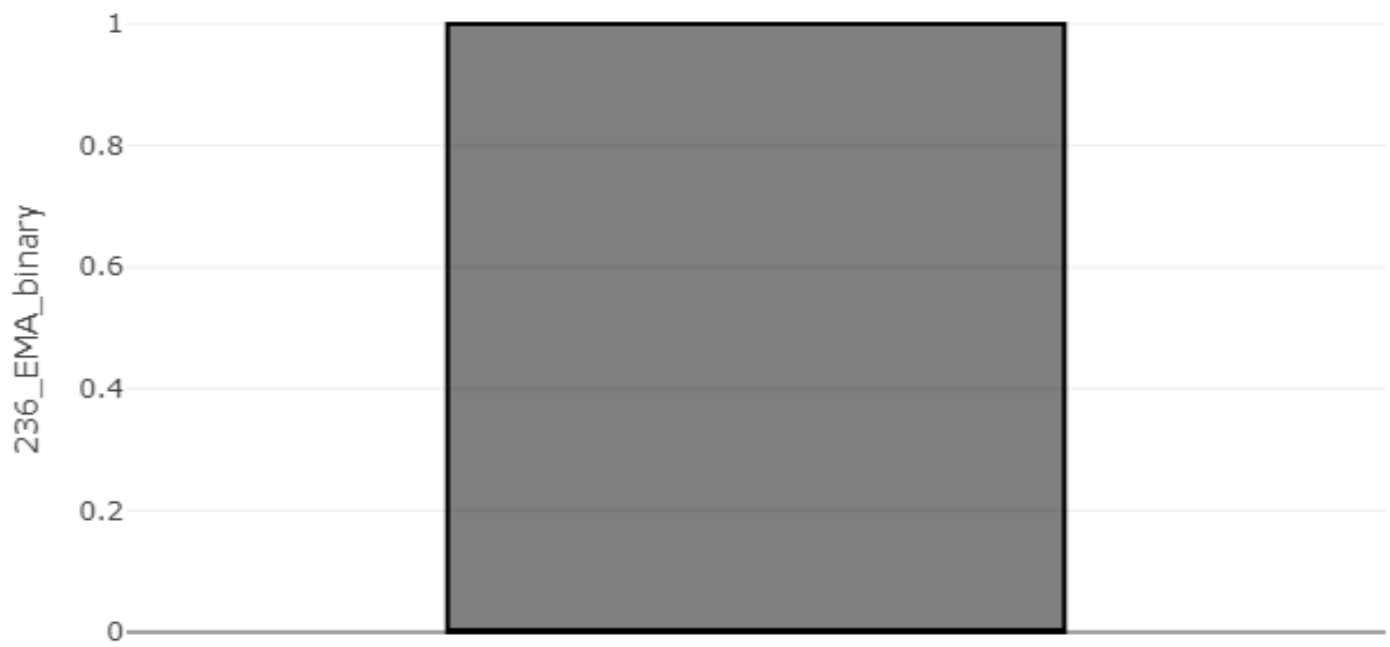
Box Plot of 144_SMA_binary

Histogram of 236_EMA_binary



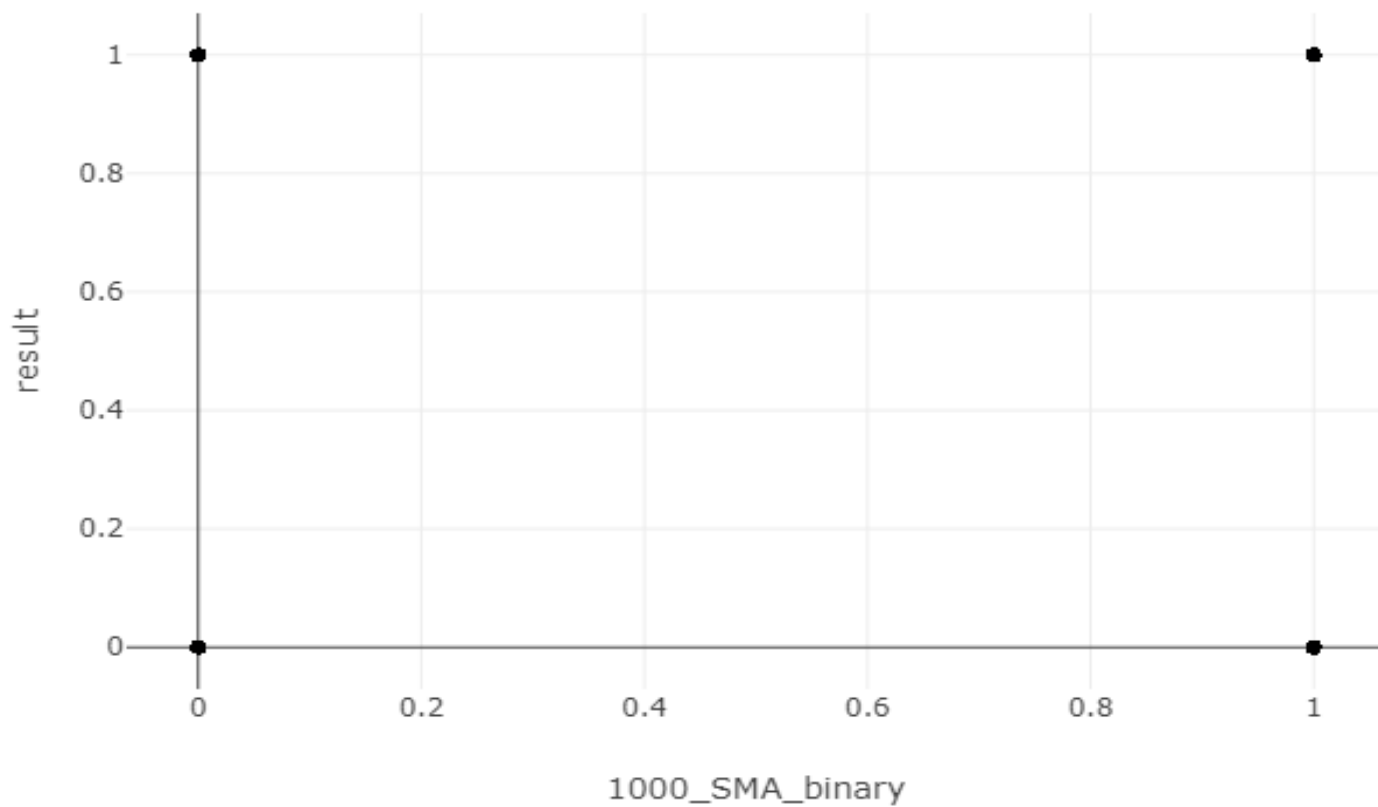
Histogram of 236_EMA_binary

Box Plot of 236_EMA_binary



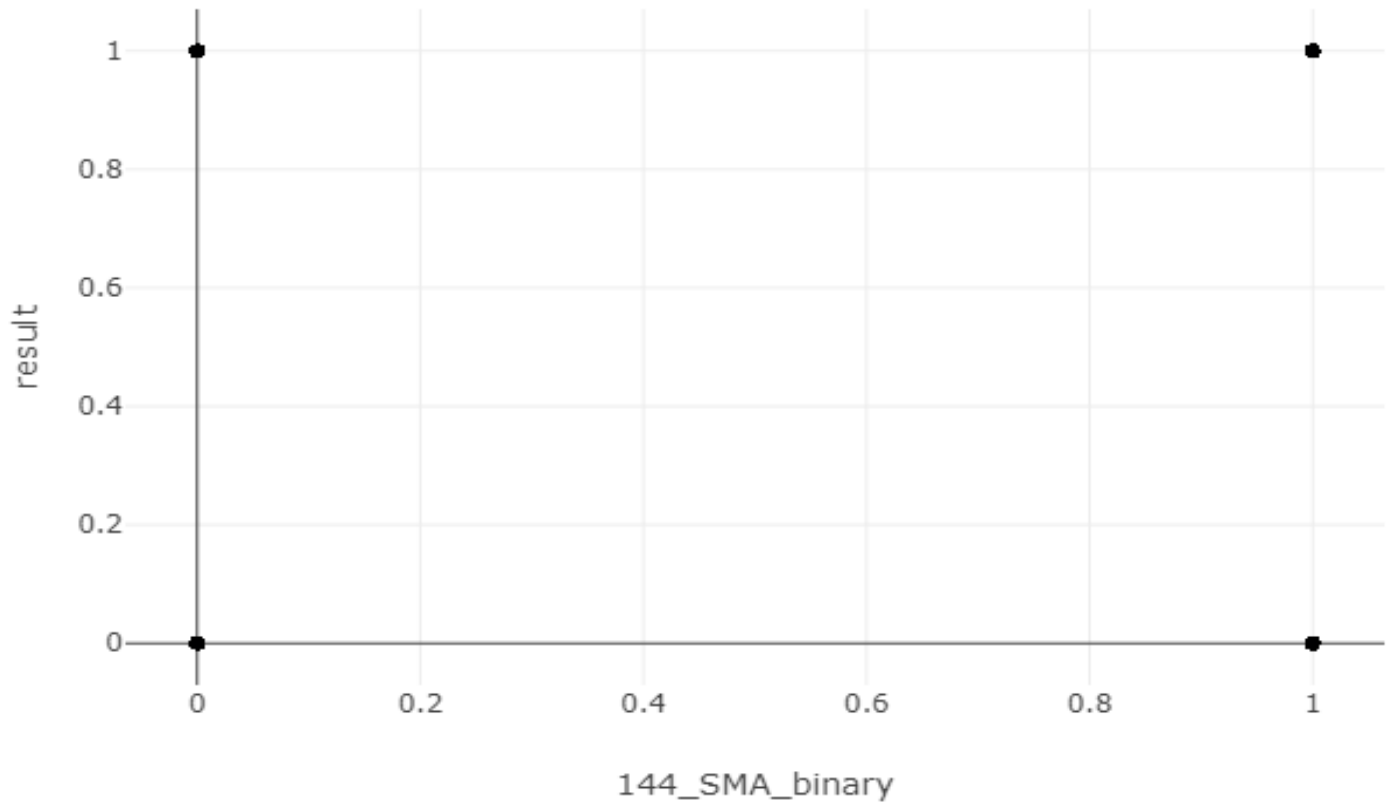
Box Plot of 236_EMA_binary

Scatter Plot of 1000_SMA_binary vs result



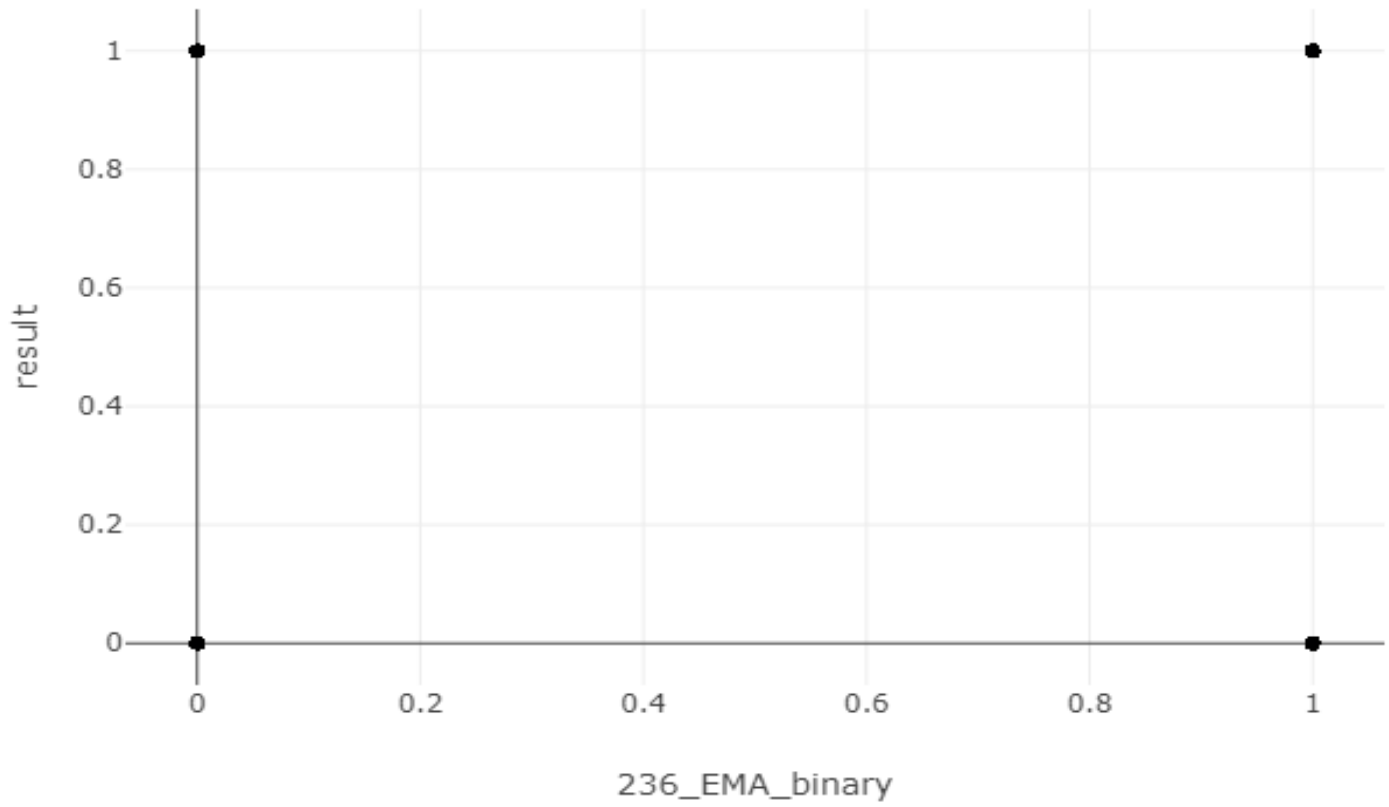
Scatter Plot of 1000_SMA_binary vs result

Scatter Plot of 144_SMA_binary vs result



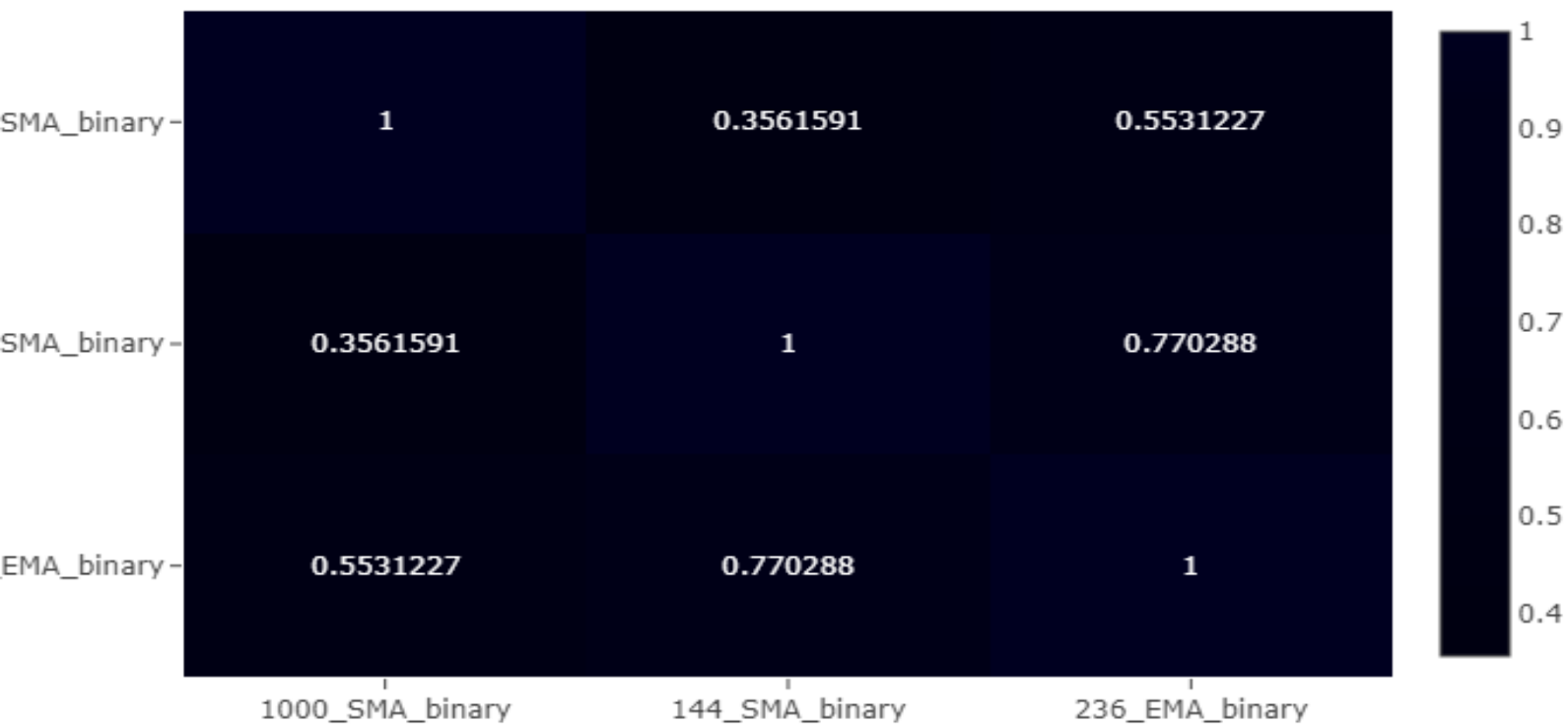
Scatter Plot of 144_SMA_binary vs result

Scatter Plot of 236_EMA_binary vs result



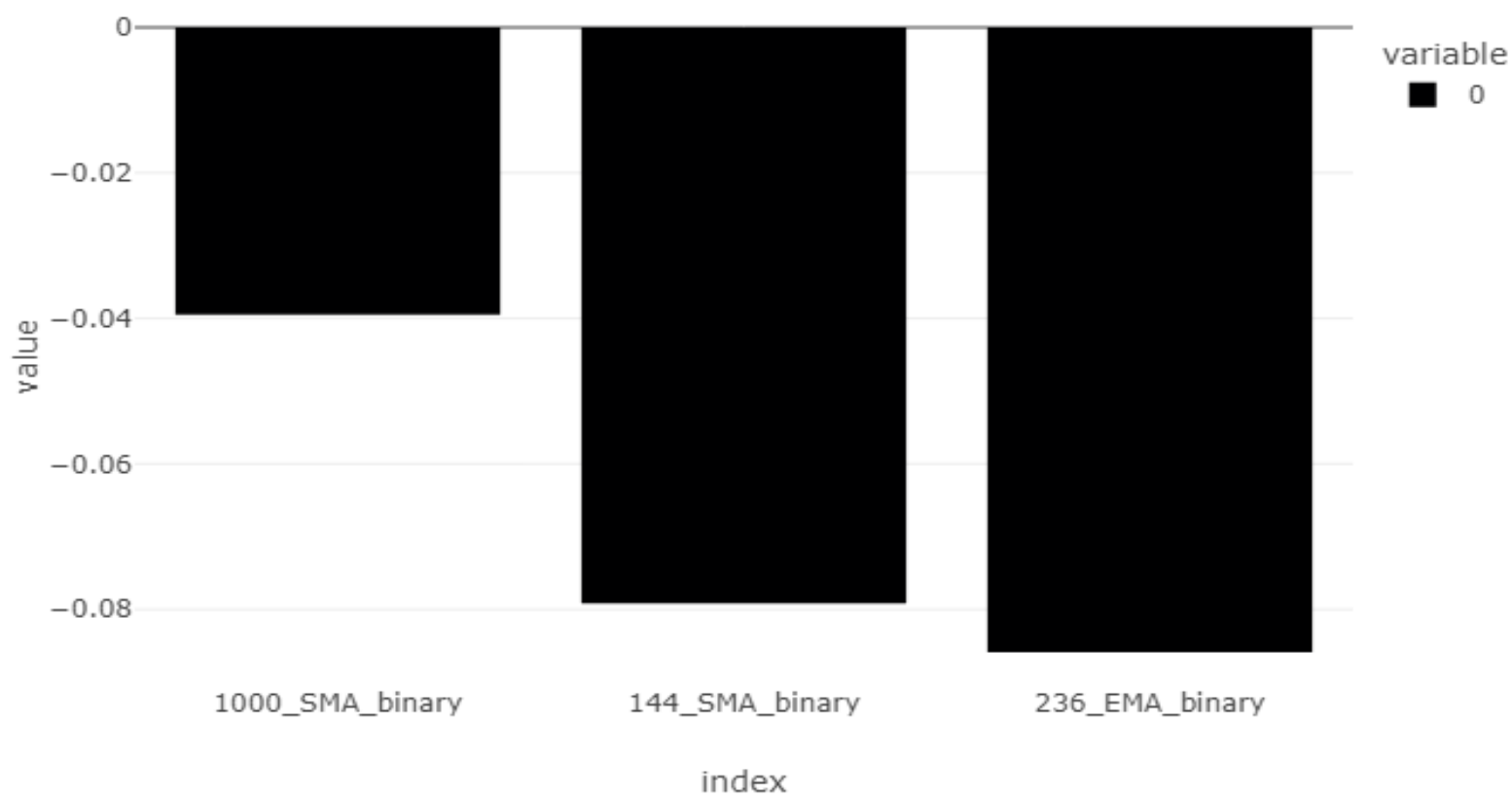
Scatter Plot of 236_EMA_binary vs result

Correlation Matrix



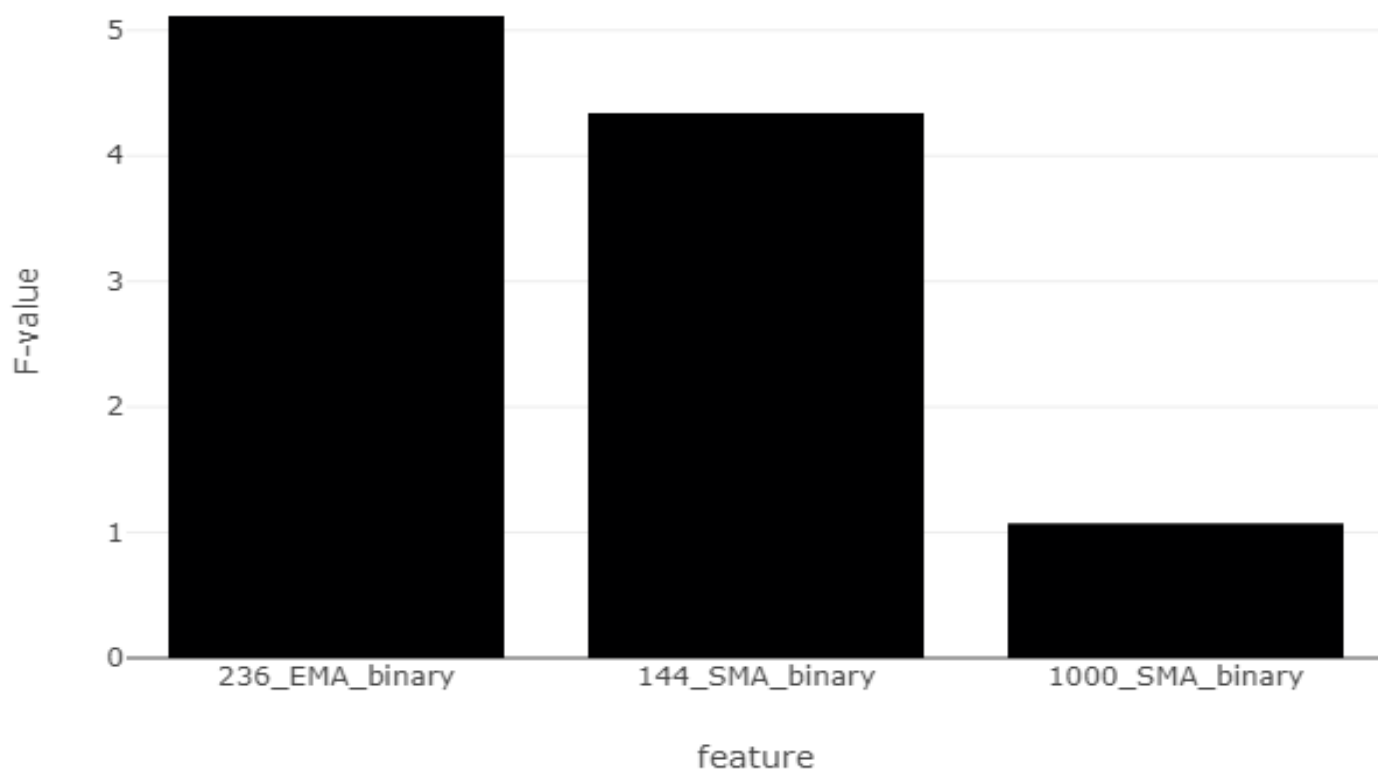
Correlation Matrix

Correlation with Target Variable (All Trades)



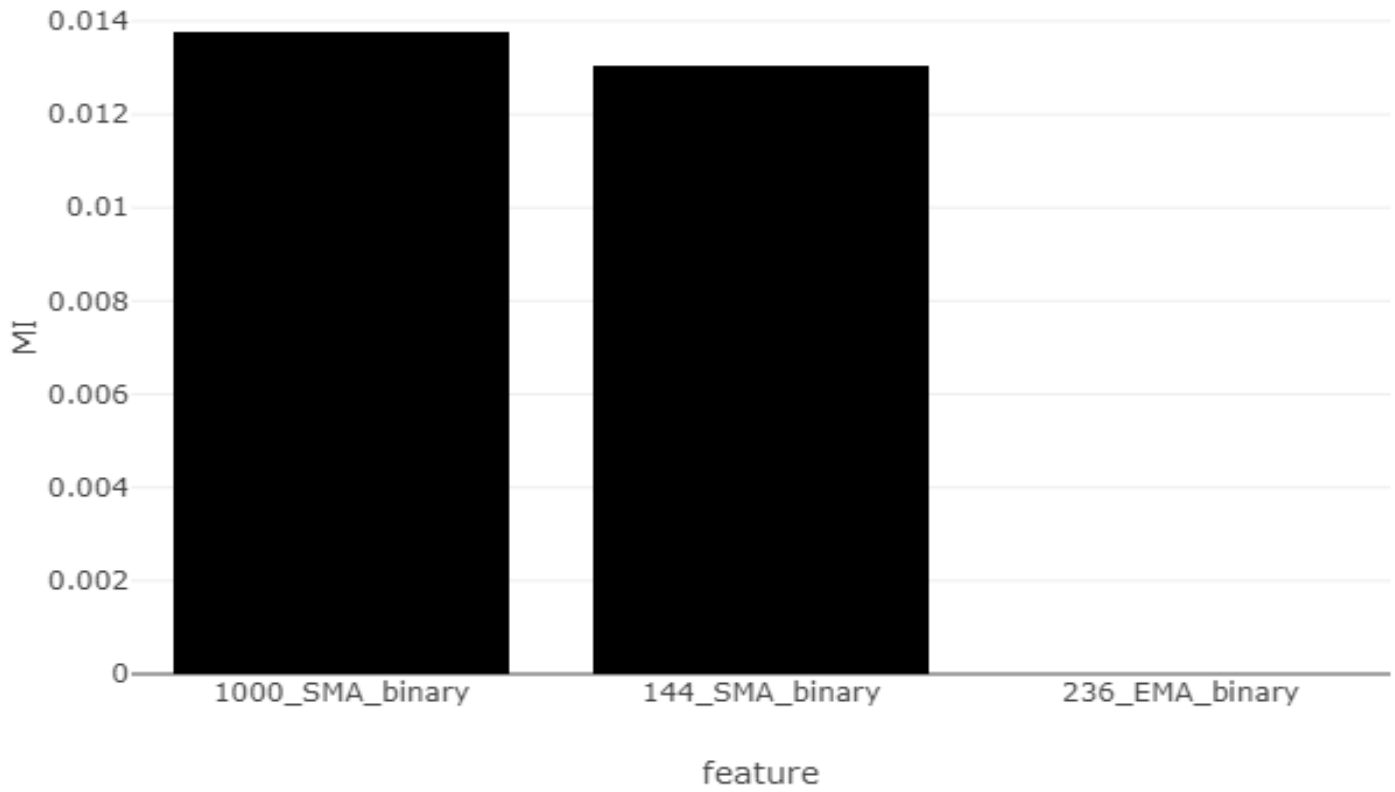
Correlation with Target Variable (All Trades)

ANOVA F-Test Scores (All Trades)



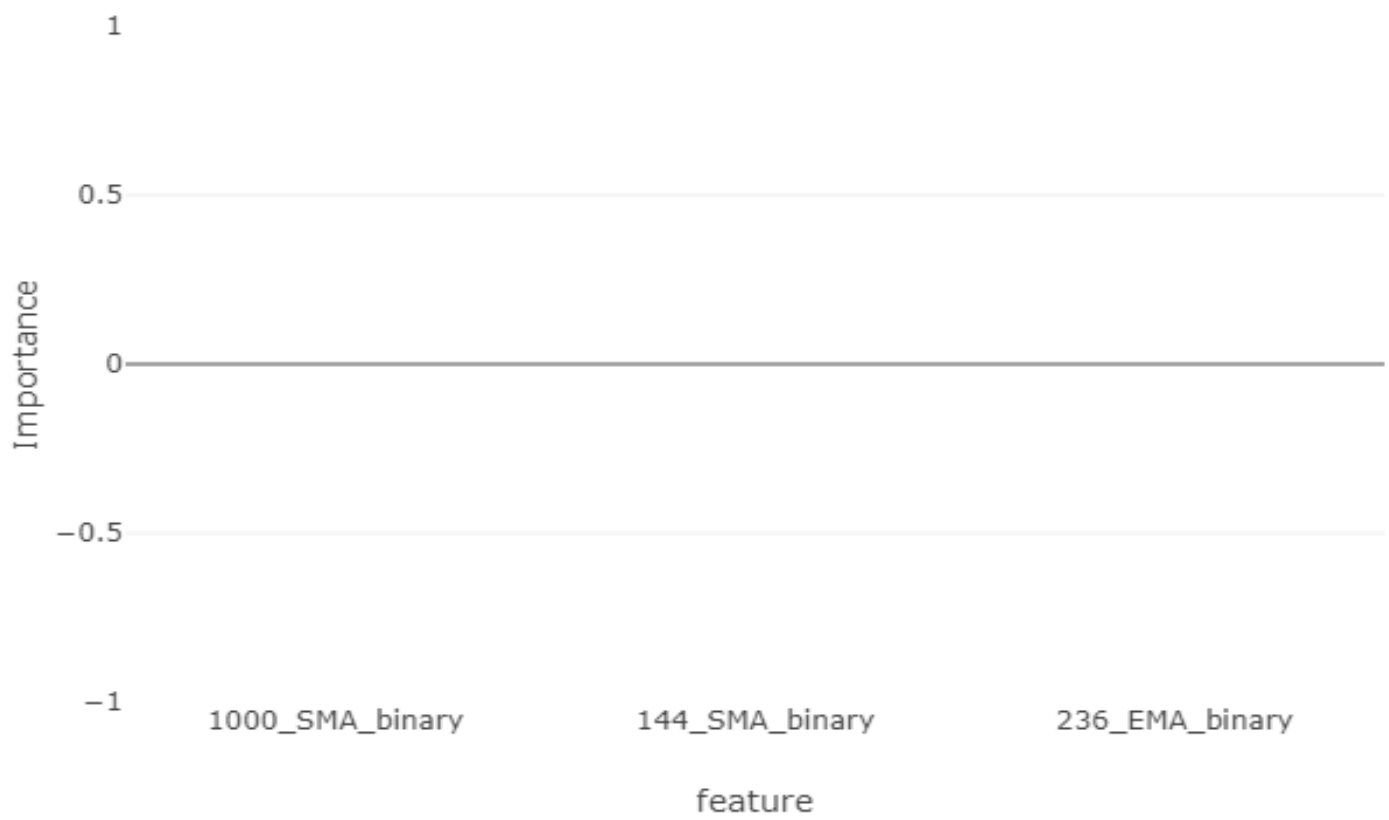
ANOVA F-Test Scores (All Trades)

Mutual Information Scores (All Trades)



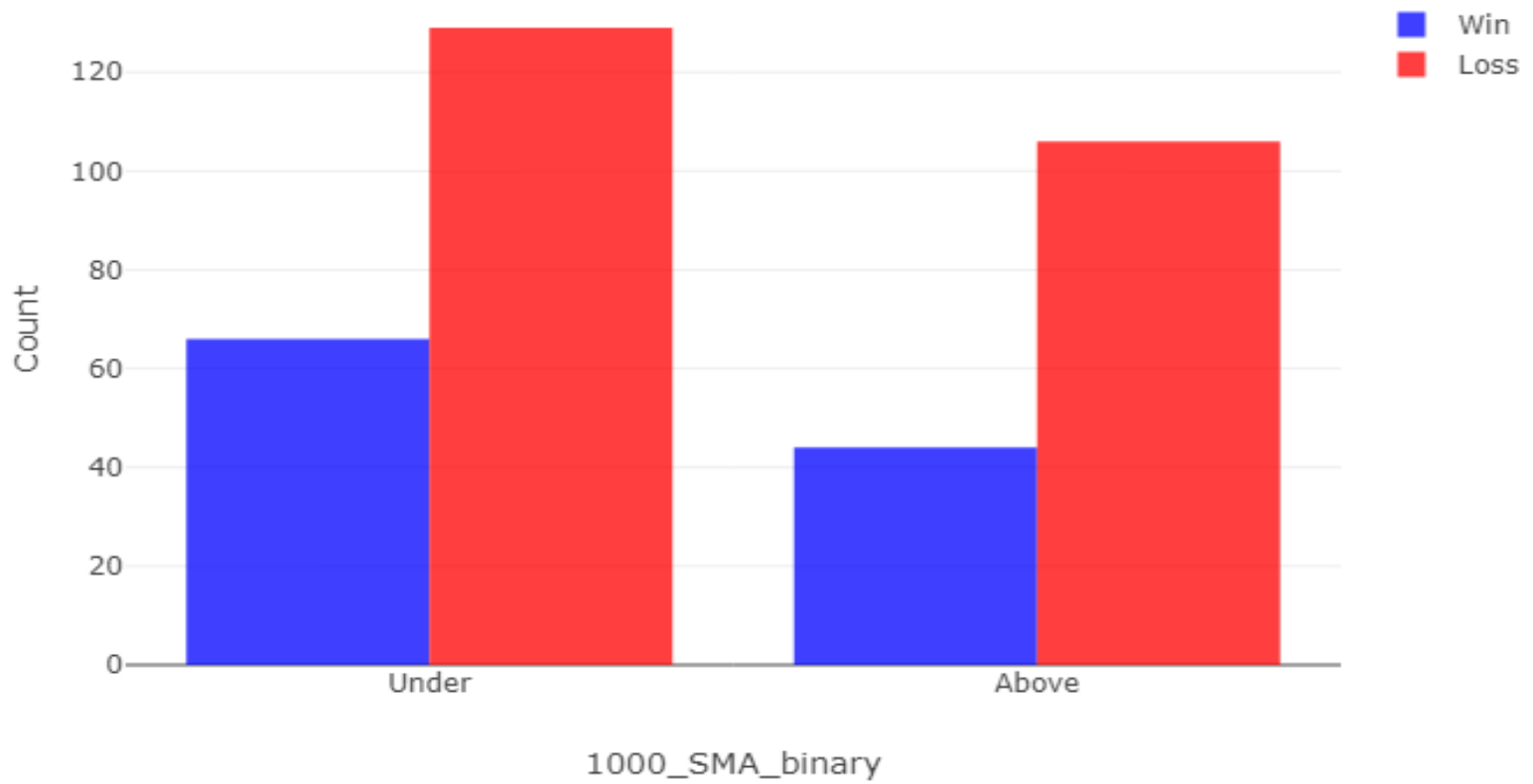
Mutual Information Scores (All Trades)

Permutation Importance Scores (All Trades)



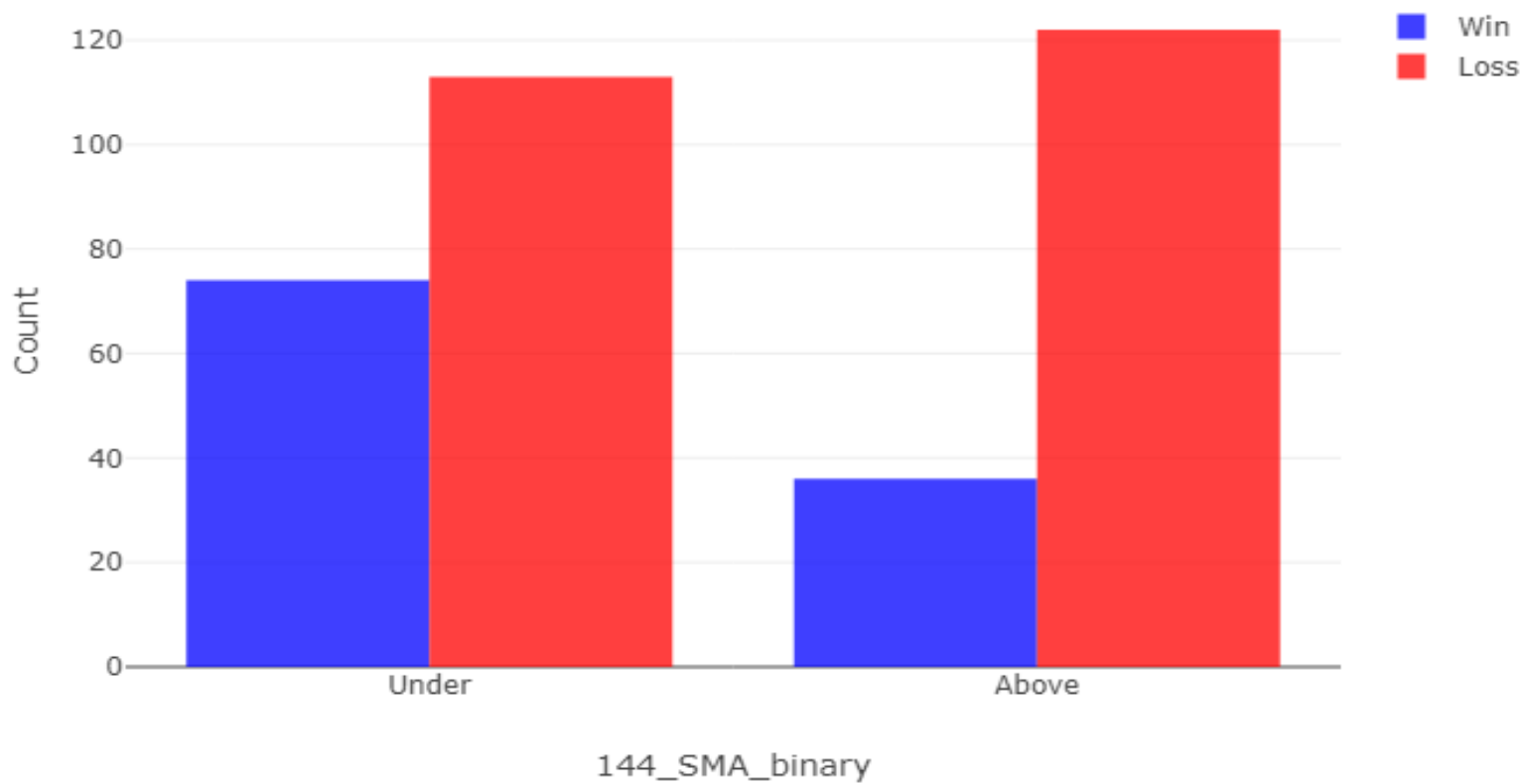
Permutation Importance Scores (All Trades)

Binary Indicator Distribution for 1000_SMA_binary (LE)



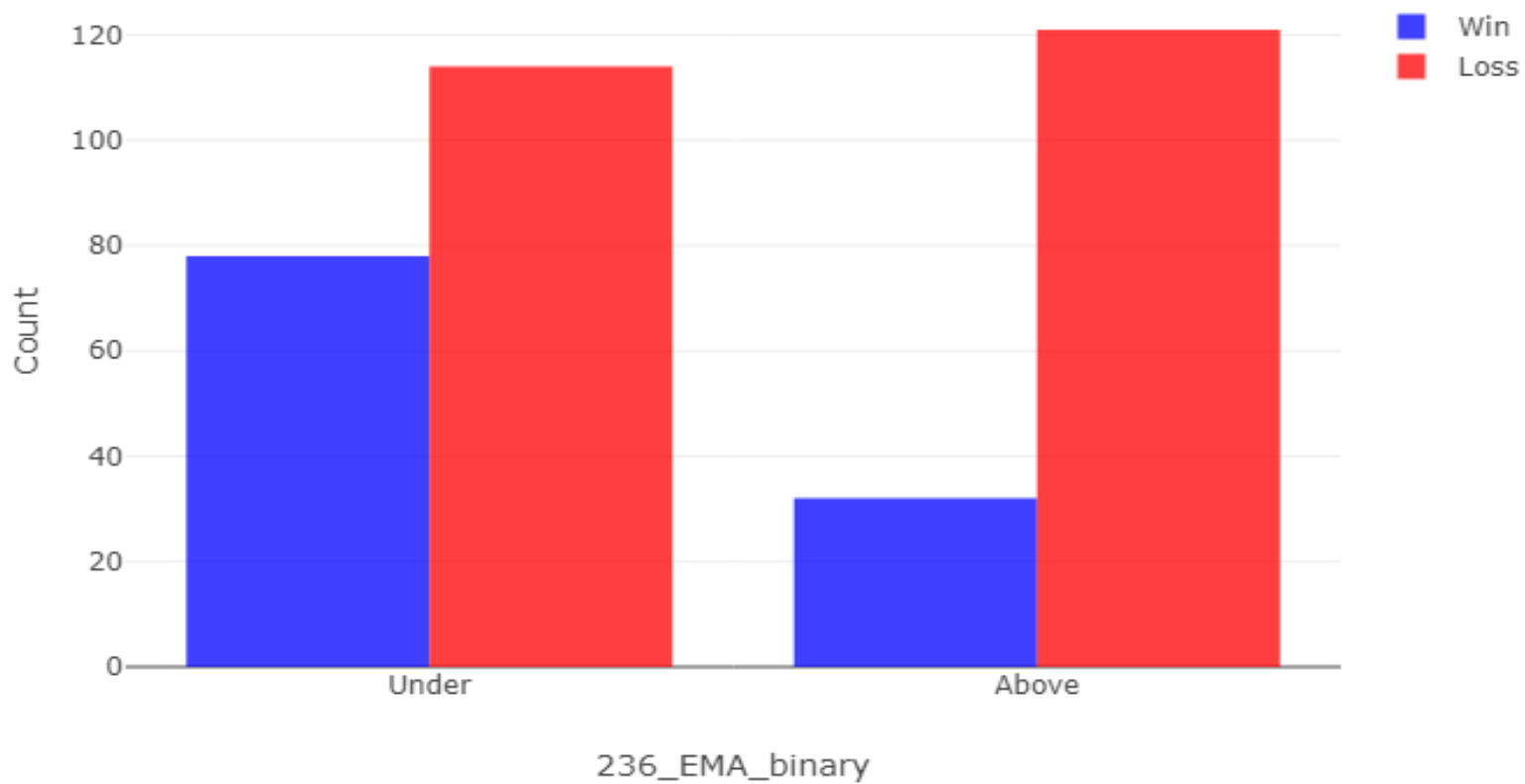
KDE Plot with Optimal Win Ranges for Win (LE)

Binary Indicator Distribution for 144_SMA_binary (LE)



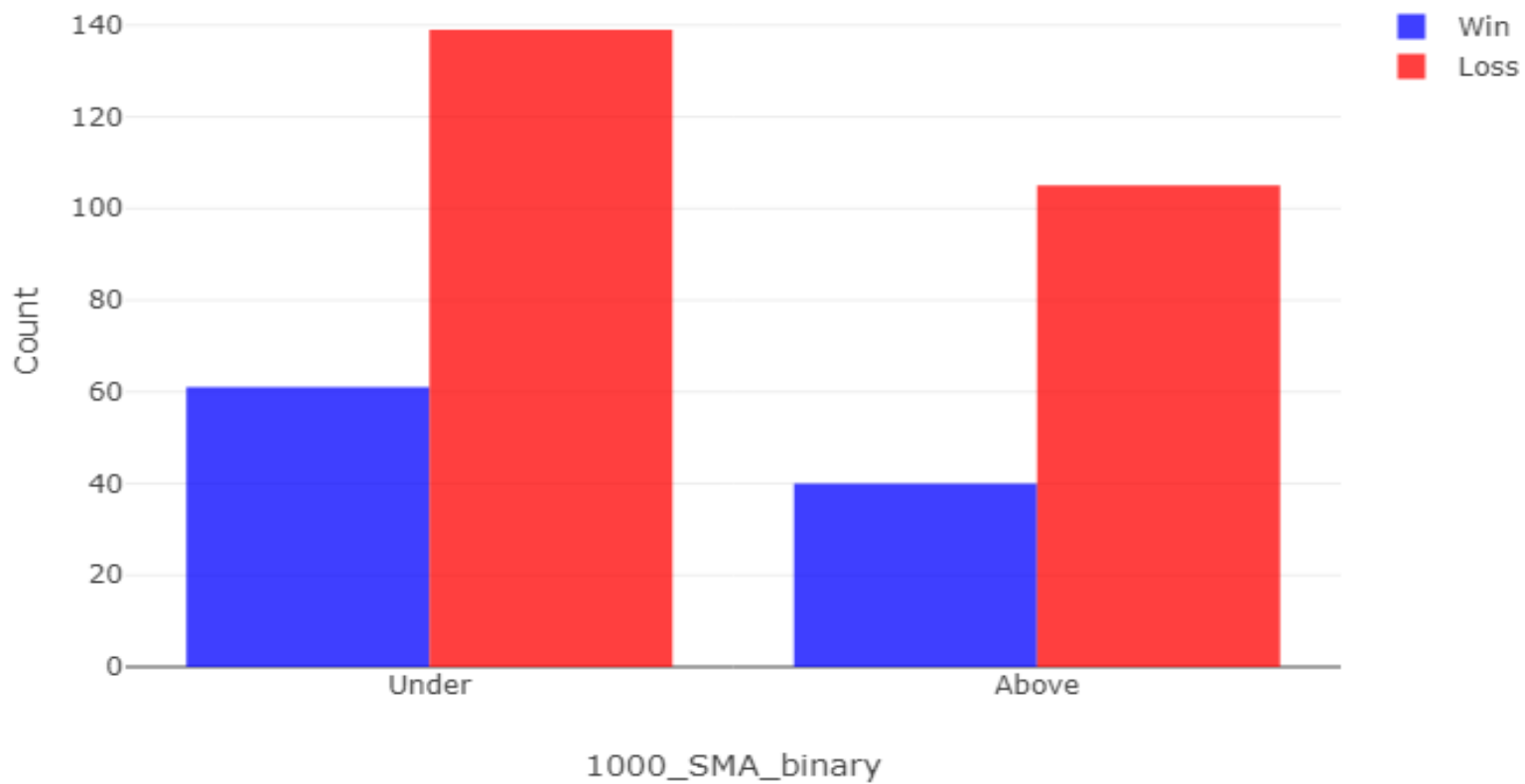
KDE Plot with Optimal Win Ranges for Win (LE)

Binary Indicator Distribution for 236_EMA_binary (LE)



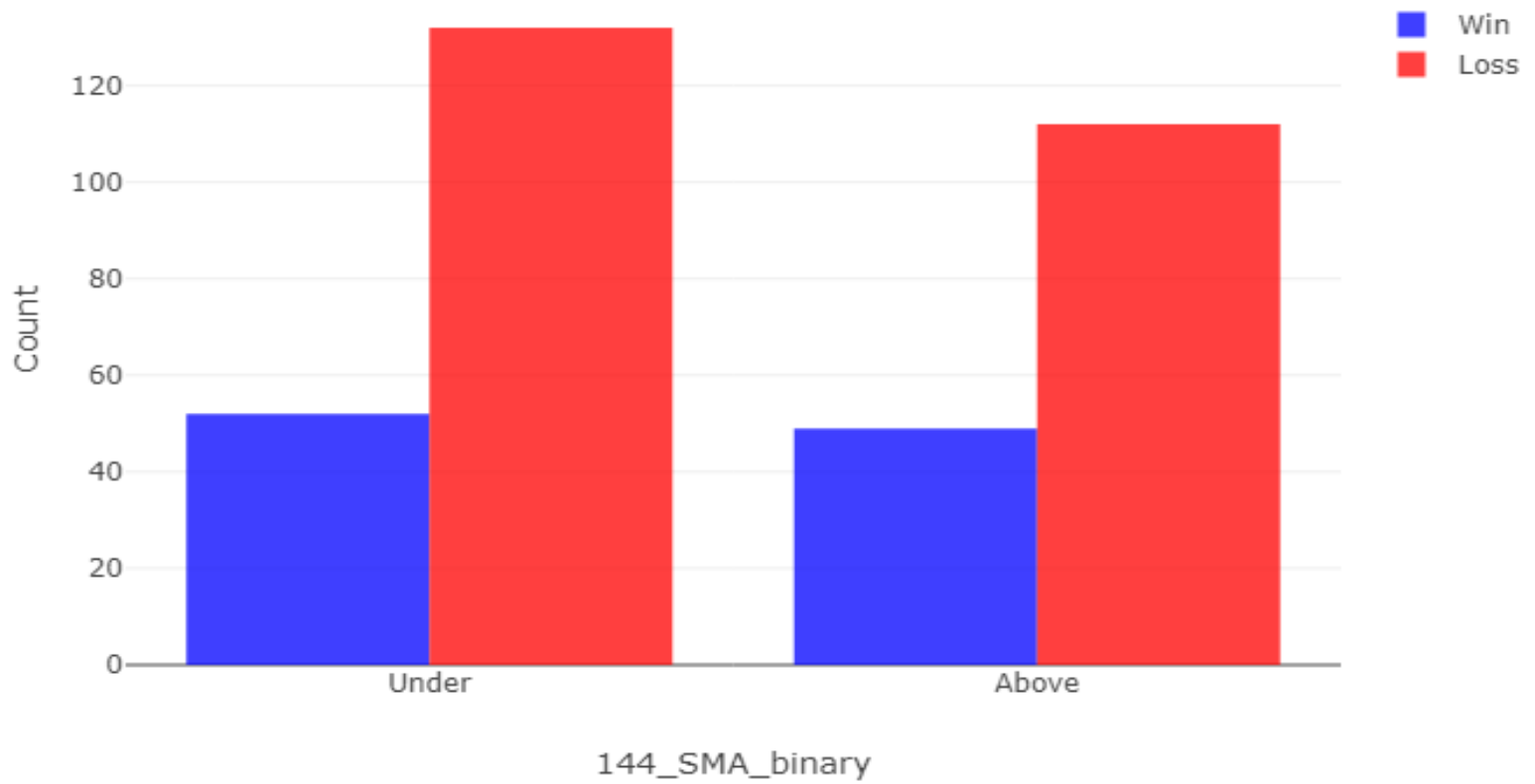
KDE Plot with Optimal Win Ranges for Win (LE)

Binary Indicator Distribution for 1000_SMA_binary (SE)



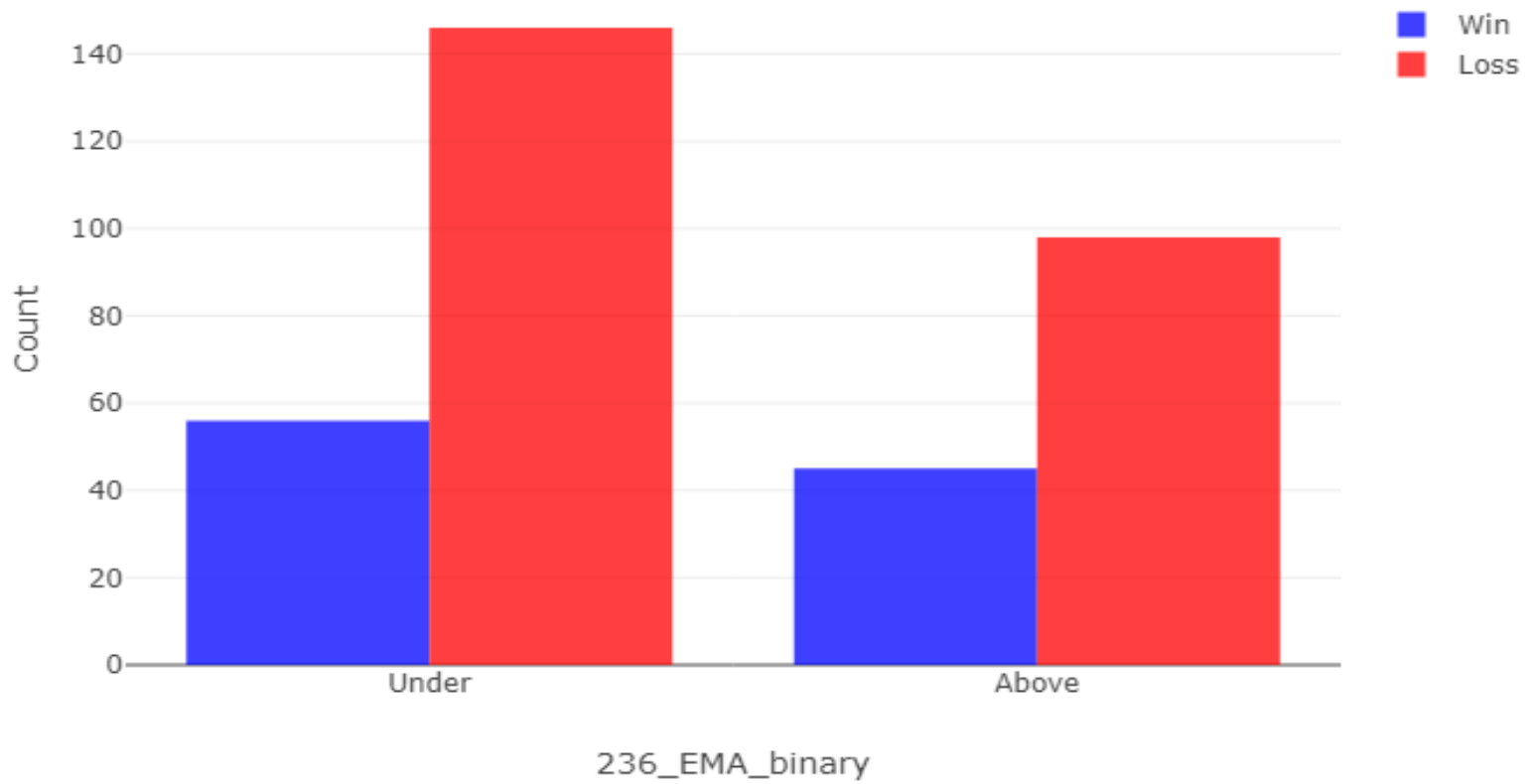
KDE Plot with Optimal Win Ranges for Win (SE)

Binary Indicator Distribution for 144_SMA_binary (SE)



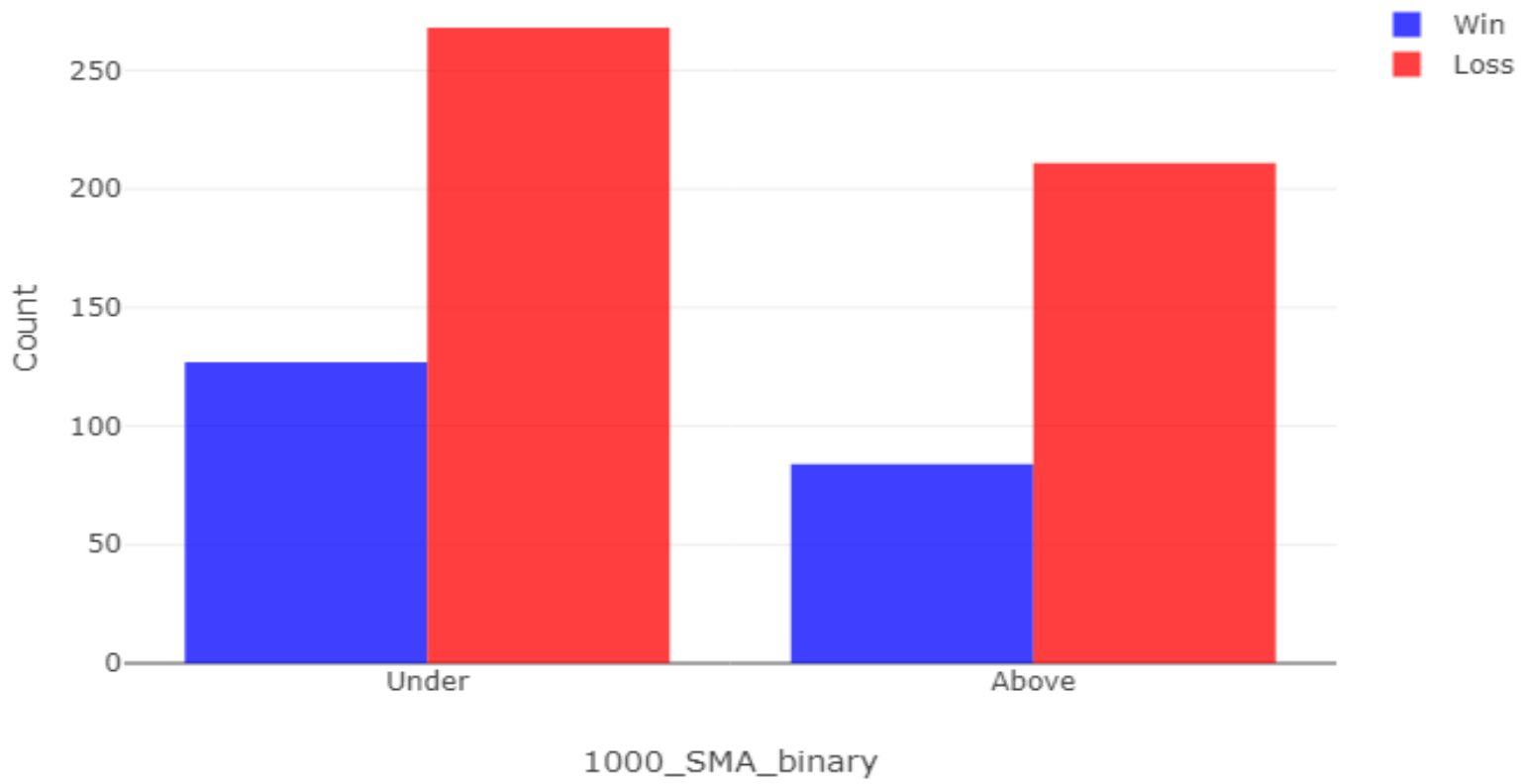
KDE Plot with Optimal Win Ranges for Win (SE)

Binary Indicator Distribution for 236_EMA_binary (SE)



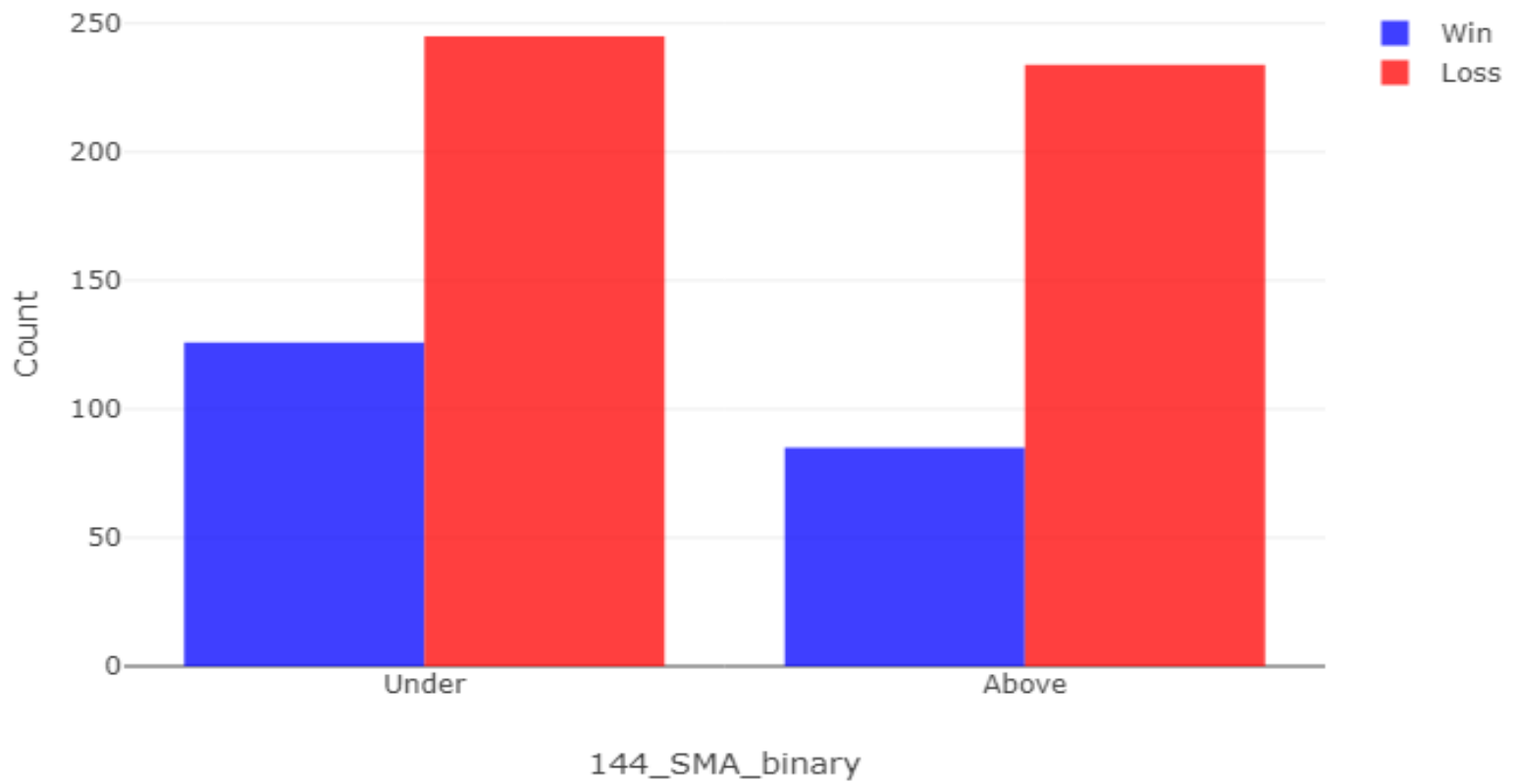
KDE Plot with Optimal Win Ranges for Win (SE)

Binary Indicator Distribution for 1000_SMA_binary ()



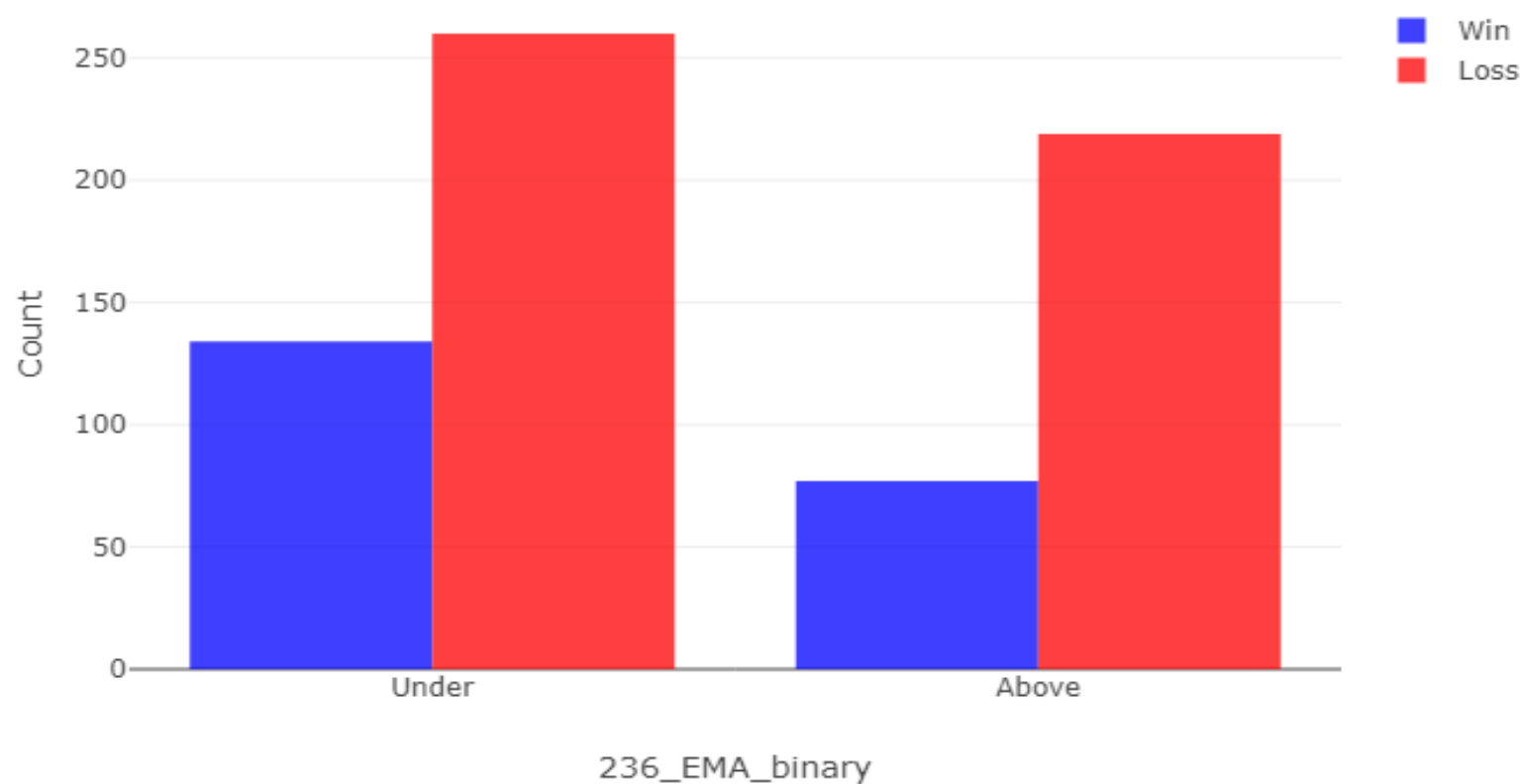
KDE Plot with Optimal Win Ranges for Win (Both)

Binary Indicator Distribution for 144_SMA_binary ()



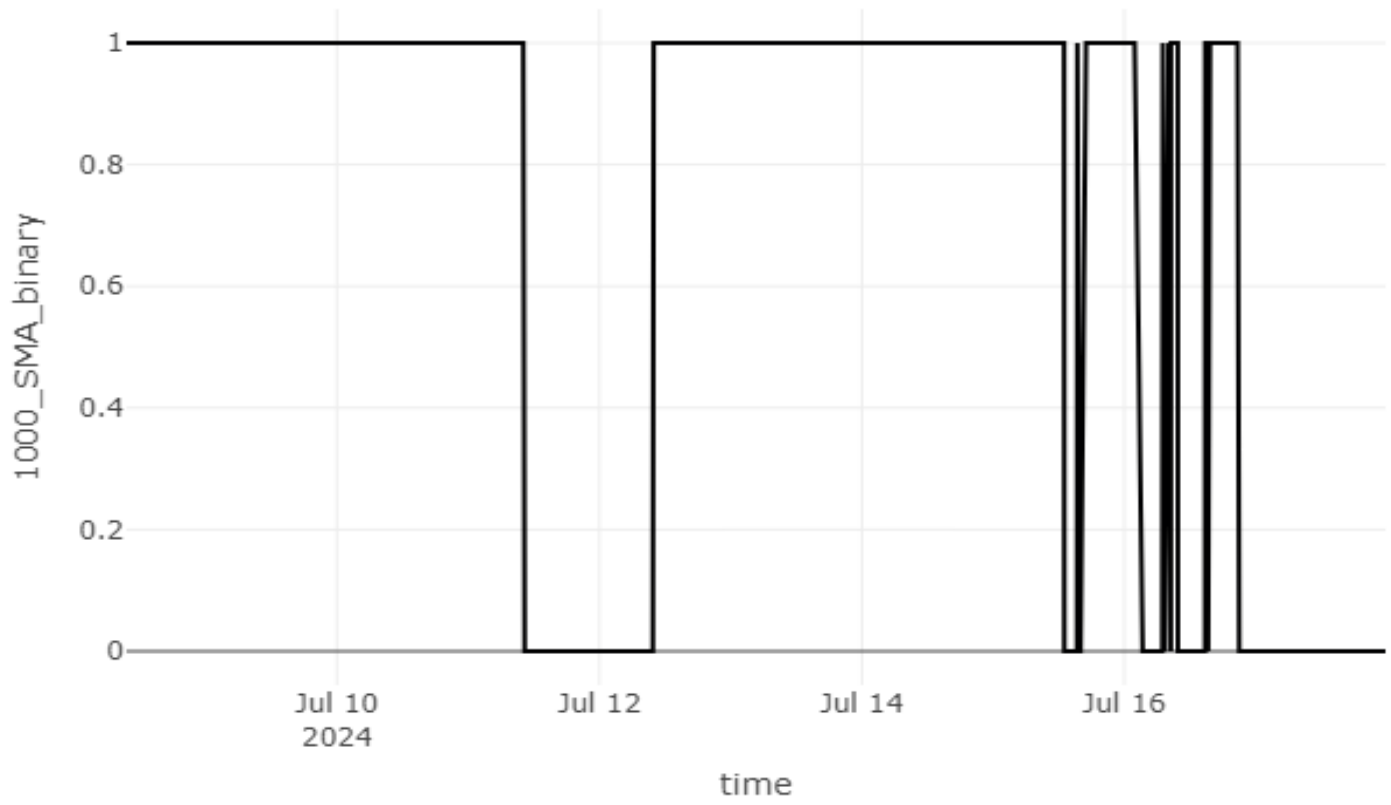
KDE Plot with Optimal Win Ranges for Win (Both)

Binary Indicator Distribution for 236_EMA_binary ()



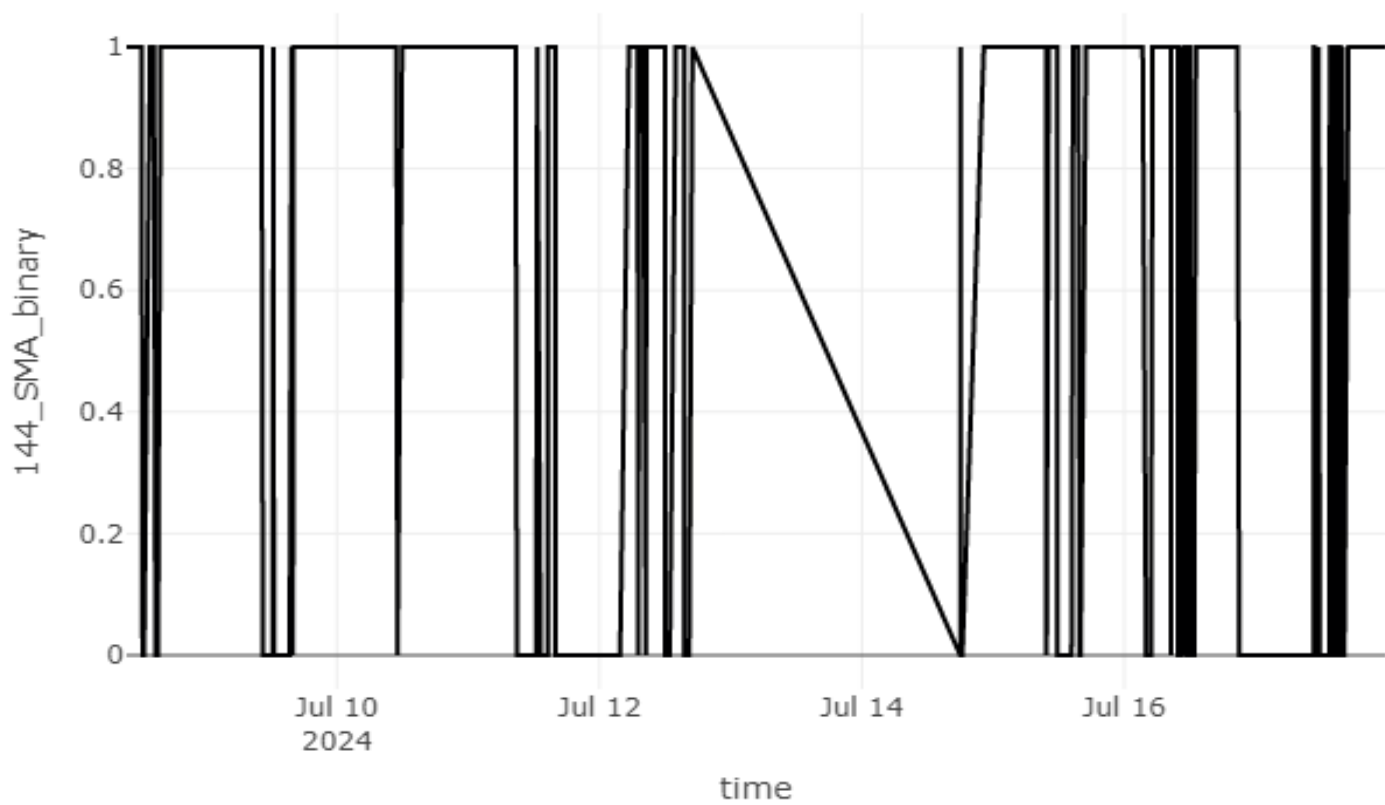
KDE Plot with Optimal Win Ranges for Win (Both)

1000_SMA_binary Over Time



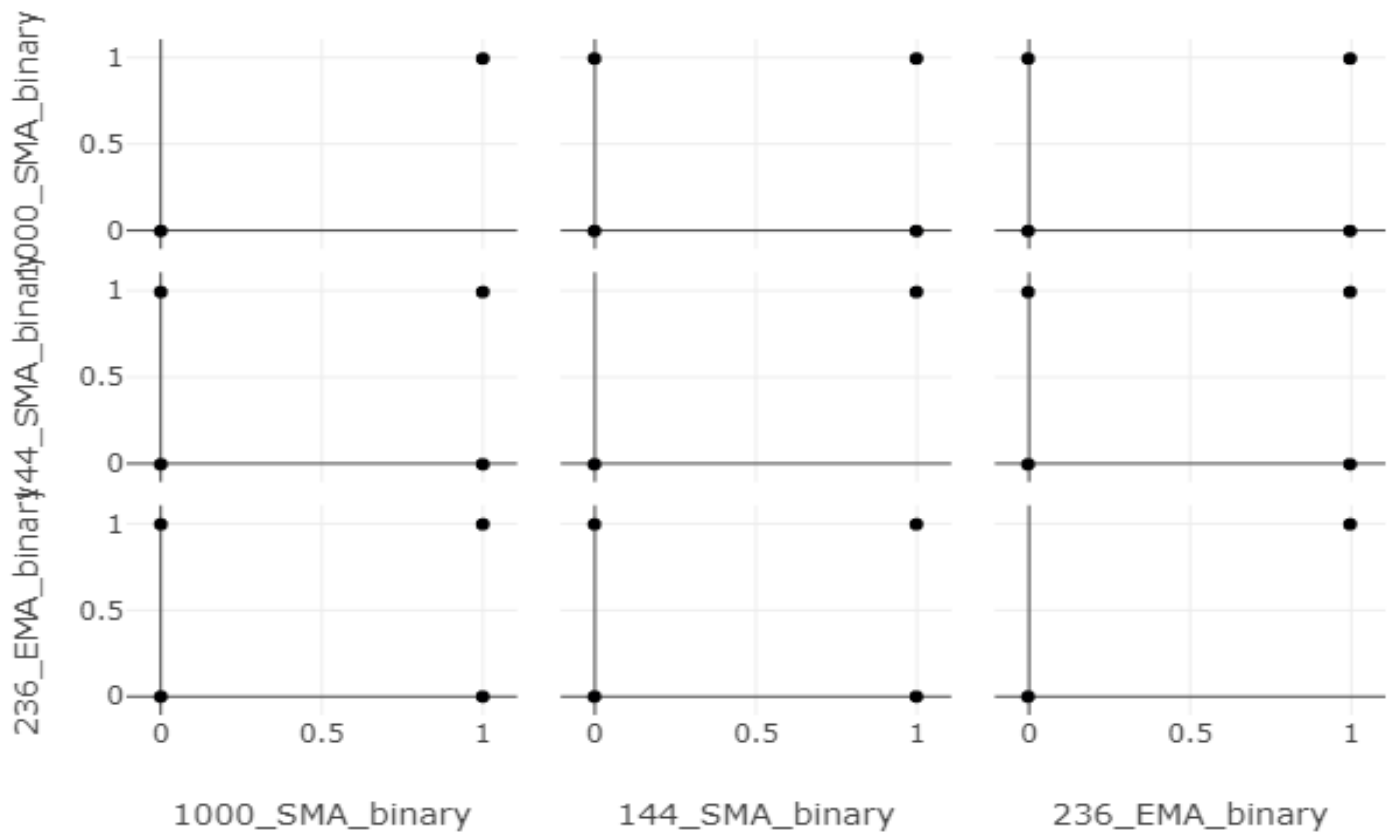
1000_SMA_binary Over Time

144_SMA_binary Over Time



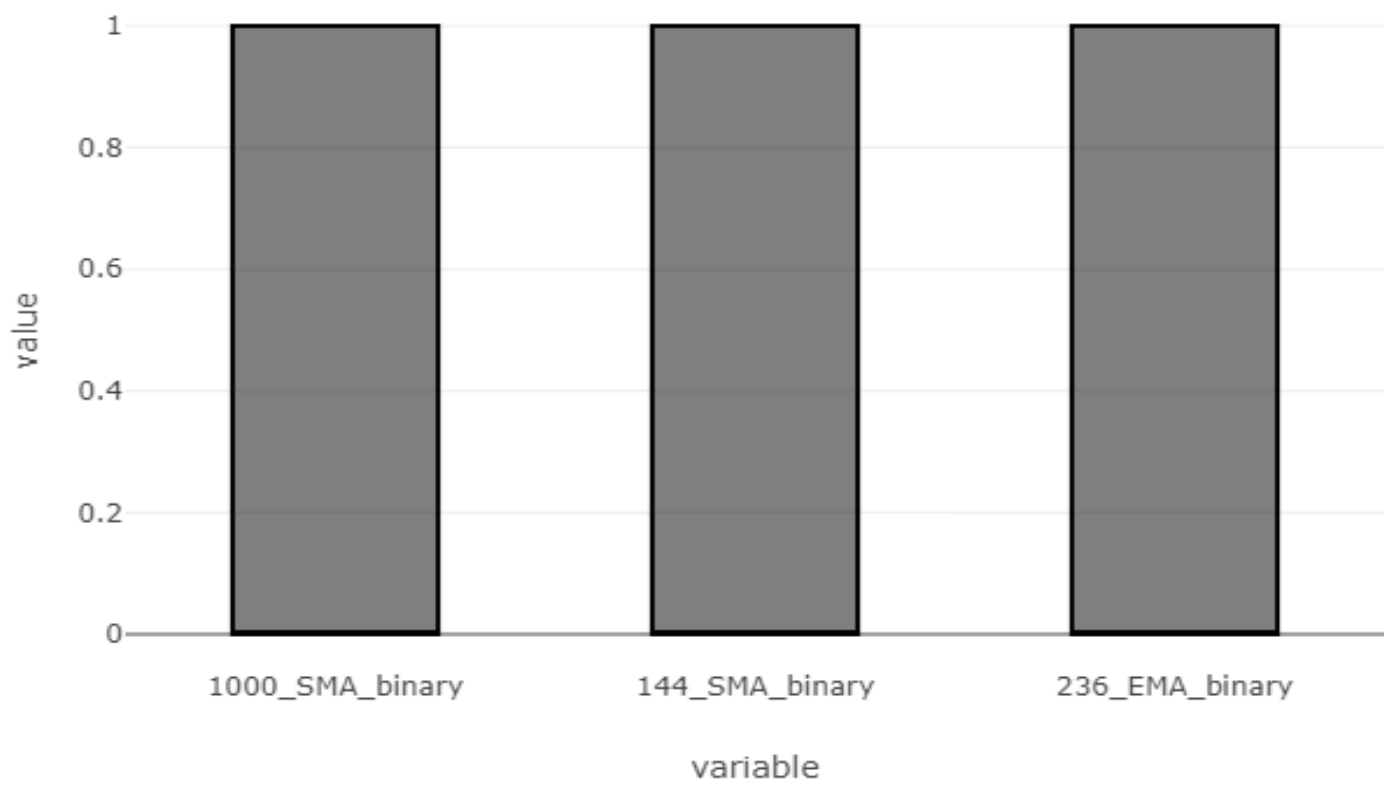
144_SMA_binary Over Time

Pairplot of Selected Indicators



Pairplot of Selected Indicators

Boxplot of Selected Indicators



Boxplot of Selected Indicators

count	mean	std	min	25%	50%	75%	max
690.0	0.427536231884058	0.49508001961918136	0.0	0.0	0.0	1.0	1.0
690.0	0.4623188405797101	0.4989397901133017	0.0	0.0	0.0	1.0	1.0
690.0	0.4289855072463768	0.49529028572508066	0.0	0.0	0.0	1.0	1.0

Correlation
-0.039485013069557255
-0.07917288287816543
-0.08589986085119308

feature	F-value	p-value
236_EMA_binary	5.114342471960255	0.024040231033289793
144_SMA_binary	4.339825146590699	0.03759939168840702
1000_SMA_binary	1.074312509269762	0.30033753427528226

feature	MI
1000_SMA_binary	0.013768711247576837
144_SMA_binary	0.013041977192116638
236_EMA_binary	0.0

feature	Importance
1000_SMA_binary	0.0
144_SMA_binary	0.0
236_EMA_binary	0.0

feature	trade_type	optimal_win_range_start	optimal_win_range_end
1000_SMA_binary	LE	0	1
144_SMA_binary	LE	0	1
236_EMA_binary	LE	0	1

feature	trade_type	optimal_win_range_start	optimal_win_range_end
1000_SMA_binary	SE	0	1
144_SMA_binary	SE	0	1
236_EMA_binary	SE	0	1

feature	trade_type	optimal_win_range_start	optimal_win_range_end
1000_SMA_binary		0	1
144_SMA_binary		0	1
236_EMA_binary		0	1

The feature '1000_SMA_binary' has a low correlation score of -0.04 for all trades, indicating a weaker relationship with the target variable. '1000_SMA_binary' might not be very influential in determining all outcomes. However, do not discard it outright; it may still provide value in combination with other indicators.

The feature '144_SMA_binary' has a low correlation score of -0.08 for all trades, indicating a weaker relationship with the target variable. '144_SMA_binary' might not be very influential in determining all outcomes. However, do not discard it outright; it may still provide value in combination with other indicators.

The feature '236_EMA_binary' has a low correlation score of -0.09 for all trades, indicating a weaker relationship with the target variable. '236_EMA_binary' might not be very influential in determining all outcomes. However, do not discard it outright; it may still provide value in combination with other indicators.

The feature '236_EMA_binary' has a high ANOVA F-Test score of 5.11 for all trades, indicating a strong influence on the target variable. This means changes in '236_EMA_binary' are strongly associated with all outcomes. Consider using this feature for developing strategies or setting thresholds.

The feature '144_SMA_binary' has a high ANOVA F-Test score of 4.34 for all trades, indicating a strong influence on the target variable. This means changes in '144_SMA_binary' are strongly associated with all outcomes. Consider using this feature for developing strategies or setting thresholds.

The feature '1000_SMA_binary' has a high ANOVA F-Test score of 1.07 for all trades, indicating a strong influence on the target variable. This means changes in '1000_SMA_binary' are strongly associated with all outcomes. Consider using this feature for developing strategies or setting thresholds.

The feature '1000_SMA_binary' has a low Mutual Information score of 0.01 for all trades, indicating a weaker relationship with the target variable. '1000_SMA_binary' might not be very influential in determining all outcomes. However, do not discard it outright; it may still provide value in combination with other indicators.

The feature '144_SMA_binary' has a low Mutual Information score of 0.01 for all trades, indicating a weaker relationship with the target variable. '144_SMA_binary' might not be very influential in determining all outcomes. However, do not discard it outright; it may still provide value in combination with other indicators.

The feature '236_EMA_binary' has a low Mutual Information score of 0.00 for all trades, indicating a weaker relationship with the target variable. '236_EMA_binary' might not be very influential in determining all outcomes. However, do not discard it outright; it may still provide value in combination with other indicators.

The feature '1000_SMA_binary' has a low Permutation Importance score of 0.00 for all trades, indicating a weaker relationship with the target variable. '1000_SMA_binary' might not be very influential in determining all outcomes. However, do not discard it outright; it may still provide value in combination with other indicators.

The feature '144_SMA_binary' has a low Permutation Importance score of 0.00 for all trades, indicating a weaker relationship with the target variable. '144_SMA_binary' might not be very influential in determining all outcomes. However, do not discard it outright; it may still provide value in combination with other indicators.

The feature '236_EMA_binary' has a low Permutation Importance score of 0.00 for all trades, indicating a weaker relationship with the target variable. '236_EMA_binary' might not be very influential in determining all outcomes. However, do not discard it outright; it may still provide value in combination with other indicators.