

Classification Report				
	precision	recall	f1-score	support
0	0.66	0.92	0.77	59
1	0.29	0.07	0.11	30
accuracy			0.63	89
macro avg	0.47	0.49	0.44	89
weighted avg	0.53	0.63	0.54	89

Accuracy
Accuracy: 0.6292134831460674

Optimal Win Ranges Summary

	feature	optimal_win_range_start	optimal_win_range_end	
0	62_ZLEMA_percent_away	-8.786650	-0.965696	
1	62_ZLEMA_percent_away	-0.547782	0.120880	
2	62_ZLEMA_percent_away	1.171634	3.141798	
3	ADX	-0.476944	1.647026	
4	ADX	1.982632	2.736595	
5	CHAIKIN	-2.835997	0.238950	
6	CHAIKIN	2.994954	3.559240	
7	CHAIKIN	5.284809	5.333877	
8	DM_ADX_PLOT	-0.476944	1.647026	
9	DM_ADX_PLOT	1.982632	2.736595	
10	VOLUME	-1.293947	-0.037950	
11	VOLUME	0.925387	1.650938	
12	VOLUME	1.846044	2.358198	
13	RIND	-0.704866	0.693373	
14	RSI_DEFAULT	-1.712182	-0.500043	
15	RSI_DEFAULT	1.478260	9.711659	
16	VROC	-0.838718	-0.049433	
17	VROC	3.495545	4.325655	
18	VROC	5.686491	5.958658	
19	1000_SMA_percent_away	-2.513960	-1.638706	
20	1000_SMA_percent_away	0.217678	1.954068	
21	1000_SMA_percent_away	3.584581	4.537478	
22	14_MA_ENVELOPES_UPPER_percent_away		-2.598799	-1.112025
23	14_MA_ENVELOPES_UPPER_percent_away		-0.485368	0.067564
24	14_MA_ENVELOPES_UPPER_percent_away		1.511332	3.538751

Loss Mitigation Analysis

	count	mean	std	min	25%	50%	75%	max	
ADX	161.0	-0.086724	1.033868e+00	-1.856146	-0.816921	-0.279124	0.611044	2.684127	
AROON_DOWN	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000	0.0
AROON_UP	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000
ATR	161.0	0.089757	9.908347e-01	-1.569222	-0.625525	-0.094696	0.731039	3.473657	
AWESOME	161.0	-0.039341	9.819450e-01	-1.229055	-1.014987	-0.558666	0.982758	1.162	
CCI	161.0	-0.042472	1.017479e+00	-1.710272	-1.018385	-0.132852	0.930918	1.539593	
CHAIKIN	161.0	0.152176	1.065306e+00	-2.835997	-0.381632	-0.038888	0.535399	4.8915	
CMO	161.0	-0.033158	9.753289e-01	-2.427354	-0.717361	-0.041638	0.634085	2.821059	
DISPARITY_INDEX	161.0	0.062717	7.841291e-01	-2.137917	-0.022680	-0.022680	-0.022680	2.1	
DM_ADX_PLOT	161.0	-0.086724	1.033868e+00	-1.856146	-0.816921	-0.279124	0.611044	2.1	
DM_DI_MINUS	161.0	0.016292	9.882151e-01	-2.355034	-0.847005	0.258633	0.852820	1.56	
DM_DI_PLUS	161.0	-0.036719	9.123487e-01	-2.164098	-0.778099	0.060892	0.740956	1.40	
DYNAMIC_MOMENTUM	161.0	0.024852	9.822374e-01	-1.147007	-1.128881	0.117277	1.181169		
FISHER_TRANSFORM	161.0	-0.034812	9.922686e-01	-1.176961	-1.165929	-0.299934	1.109376		
LIN_REG_SLOPE	161.0	-0.063989	1.012748e+00	-1.830464	-1.000933	-0.159880	0.888555	1.1	
MACD_AVG	161.0	-0.037604	9.413144e-01	-1.324624	-0.938041	-0.531749	0.891787	1.24	
MACD_DEFAULT	161.0	-0.042298	9.567781e-01	-1.278772	-0.975890	-0.557781	0.926998	1.1	
MACD_DIFF	161.0	-0.013007	7.318337e-01	-1.361020	-0.571660	-0.030803	0.539290	1.44	
MFI	161.0	0.090901	9.776886e-01	-1.900620	-0.671071	0.160100	0.961028	2.040925	
MOMENTUM	161.0	-0.029736	9.765790e-01	-2.518763	-0.537387	-0.042043	0.453301	2.93	
PFE	161.0	-0.036801	9.785148e-01	-1.279243	-1.097408	-0.272154	1.070633	1.210506	
RIND	161.0	0.024435	1.066203e+00	-1.480718	-0.967343	-0.046757	0.863972	2.777942	
RSI_AVERAGE	161.0	-0.019465	9.643881e-01	-1.611402	-0.846854	-0.350340	0.833380	1.5	
RSI_DEFAULT	161.0	0.045158	8.068842e-01	-1.696035	-0.501174	-0.016771	0.713870	1.61	
RSS	161.0	-0.052284	9.967916e-01	-1.288471	-1.123238	-0.145975	1.021024	1.234005	
RVI	161.0	-0.036774	9.868984e-01	-1.346030	-1.008510	-0.618802	0.959318	1.300526	
R_SQUARED	161.0	0.079282	1.223987e+00	-0.235038	-0.235038	-0.235038	-0.235038	6.4	
STOCH_FAST_D	161.0	-0.060309	9.996305e-01	-1.187456	-1.017111	-0.856491	0.951241	1.1	
STOCH_FAST_K	161.0	0.047957	1.016528e+00	-1.801193	-0.996574	0.103517	1.034170	2.1	
TRIX_DEFAULT	161.0	-0.004517	9.583570e-01	-1.377299	-0.037796	-0.037796	1.301707	1.3	
TRIX_SIGNAL	161.0	0.023098	9.486039e-01	-1.406677	-0.044583	-0.044583	1.317511	1.31	
VOLUME	161.0	0.087517	1.092542e+00	-1.293947	-0.671360	-0.131785	0.333772	4.561	
VOLUME_DOWN	161.0	-0.007181	9.923741e-01	-0.694961	-0.694961	-0.694961	0.478686	4.1	
VOLUME_UP	161.0	0.097487	1.161919e+00	-0.655680	-0.655680	-0.449074	0.563224	5.3	
VORTEX_MINUS	161.0	0.056227	9.905588e-01	-1.356432	-0.994989	0.270063	1.083310	1.1	
VORTEX_PLUS	161.0	-0.047229	9.841298e-01	-1.242821	-1.151938	-0.243107	1.029256	1.4	
VROC	161.0	0.111302	1.098421e+00	-0.830880	-0.545617	-0.256553	0.348074	5.32693	
WILLIAMS_%R	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.0	
strategy_amount	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000	
account_amount	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000	
DIV_BULL	161.0	0.060427	1.003068e+00	-0.971073	-0.971073	1.029789	1.029789	1.0297	
DIV_BEAR	161.0	-0.060427	1.003068e+00	-1.029789	-1.029789	-1.029789	0.971073	0.971	
CHOP_INDEX	161.0	0.065839	9.944245e-01	-1.380297	-0.664986	-0.384246	0.717563	2.53	
AROON_UP	161.0	-0.032107	9.884962e-01	-1.223579	-1.223579	0.163214	0.933510	0.93	
AROON_DOWN	161.0	0.062059	1.002952e+00	-1.159877	-1.159877	0.993562	0.993562	0.99	
ACCUM_DIST	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000	
OBV	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000	
WILLIAMS_R	161.0	0.047957	1.016528e+00	-1.801193	-0.996574	0.103517	1.034170	2.50	
CHANDE_CMO	161.0	-0.033158	9.753289e-01	-2.427354	-0.717361	-0.041638	0.634085	2.8	
TSI	161.0	-0.042233	9.612796e-01	-1.273517	-1.042728	-0.231375	0.967703	1.188235	
1000_SMA_percent_away	161.0	-0.054289	9.694624e-01	-2.284117	-0.560677	-0.082181	0.619672		
144_SMA_percent_away	161.0	-0.007900	8.741756e-01	-1.824832	-0.752271	-0.264145	0.761354		
14_P_MA_ENVELOPES_LOWER_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.0000	
14_P_MA_ENVELOPES_MID_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000	
14_P_MA_ENVELOPES_UPPER_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000	
236_EMA_percent_away	161.0	-0.014981	9.109384e-01	-2.278749	-0.642888	-0.107425	0.728828		
382_EMA_percent_away	161.0	-0.022606	9.399239e-01	-2.535754	-0.650709	0.035614	0.624059		
618_EMA_percent_away	161.0	-0.036559	9.591799e-01	-2.526879	-0.655269	0.014647	0.536922		
62_ZLEMA_percent_away	161.0	0.007904	8.283073e-01	-1.842191	-0.762863	0.200388	0.742982		
8_ZLEMA_percent_away	161.0	0.049304	9.555986e-01	-1.970770	-0.887448	0.737721	0.940378		
ACCUM_DIST_percent_away	161.0	0.022234	9.860072e-01	-0.970893	-0.703996	-0.253135	0.36119		
APZ_LOW_percent_away	161.0	0.054962	9.560470e-01	-2.011243	-0.889745	0.744222	0.958067		
APZ_UPPER_percent_away	161.0	0.038502	9.498152e-01	-1.998469	-0.900980	0.670735	0.966535		

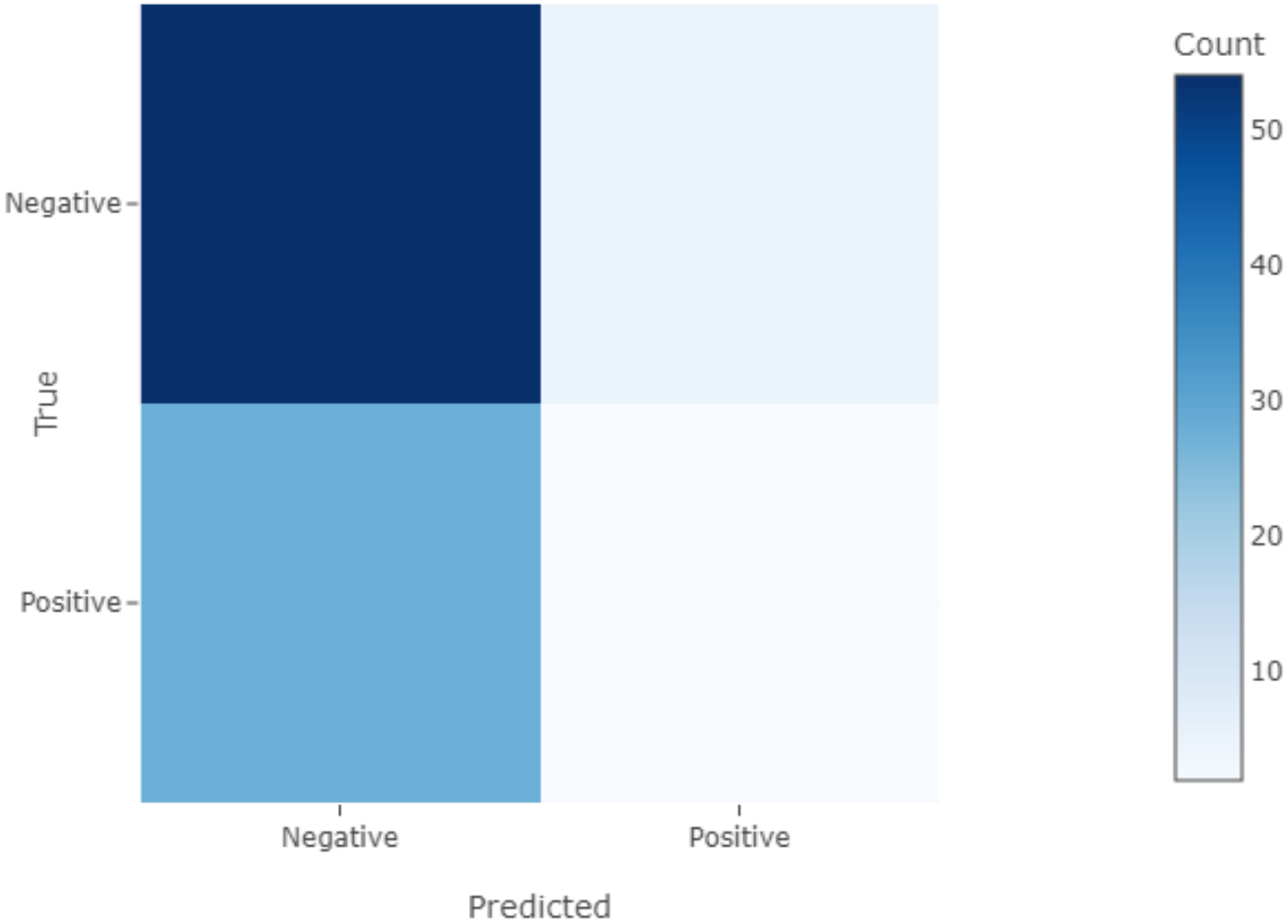
Loss Mitigation Analysis

BOLLI_500_P_LOWER_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
BOLLI_500_P_MID_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
BOLLI_500_P_UPPER_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_C_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R1_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R2_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R3_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R4_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R5_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R6_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S1_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S2_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S3_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S4_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S5_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S6_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
LIN_REG_percent_away	161.0	0.051824	9.652111e-01	-1.811486	-0.908261	0.643023	0.979421	0.979421
LIN_REG_INTERCEPT_percent_away	161.0	-0.029671	8.137825e-01	-3.492166	-0.370264	-0.023743	0.23743	0.23743
OBV_percent_away	161.0	0.022494	9.879623e-01	-1.007527	-0.715813	-0.253923	0.369669	4.169669
VROC_percent_away	161.0	0.102744	1.264883e+00	0.003057	0.003057	0.003057	0.003057	10.3057
VWAP_percent_away	161.0	-0.004920	9.979144e-01	-3.343468	-0.425954	0.083211	0.534928	2.534928
VWAP_CLOUD_HIGH_percent_away	161.0	0.004632	9.941548e-01	-4.238419	-0.207008	0.492549	0.612549	0.612549
VWAP_CLOUD_LOW_percent_away	161.0	-0.018531	1.020223e+00	-0.668333	-0.571711	-0.530098	0.130098	0.130098
VWAP_L1_percent_away	161.0	0.033598	1.007244e+00	-2.463562	-0.550016	-0.036018	0.560001	0.560001
VWAP_L2_percent_away	161.0	0.068150	1.024710e+00	-1.805910	-0.691588	-0.158509	0.516157	0.516157
VWAP_U1_percent_away	161.0	-0.033751	9.992960e-01	-3.827084	-0.460838	0.179575	0.614244	0.614244
VWAP_U2_percent_away	161.0	-0.051815	1.004183e+00	-4.045844	-0.473131	0.310372	0.638305	0.638305
ZIGZAG_HIGH_percent_away	161.0	0.073162	8.982327e-01	-4.632593	-0.001429	0.414480	0.45899	0.45899
ZIGZAG_LOW_percent_away	161.0	-0.063405	5.931957e-01	-0.822025	-0.336612	-0.299673	0.03953	0.03953
VOLUME_UP_percent_away	161.0	0.083313	1.660656e+00	-0.047565	-0.047565	-0.047565	-0.047565	-0.047565
CP__R6_percent_away	161.0	-0.000669	1.020631e+00	-2.499174	-0.674171	0.014235	0.810805	0.810805
CP__S6_percent_away	161.0	-0.077161	9.937800e-01	-1.455098	-0.881476	-0.319022	0.445941	2.445941
CHAIKIN_percent_away	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
BOLLI_500_UPPER_percent_away	161.0	-0.010971	9.792190e-01	-3.612127	-0.522336	0.158419	0.686	0.686
CP__S3_percent_away	161.0	-0.080173	1.012653e+00	-2.019182	-0.910201	-0.061938	0.557939	0.557939
BOLLI_500_LOWER_percent_away	161.0	-0.027122	9.547062e-01	-1.930522	-0.745580	-0.042059	0.49	0.49
14_MA_ENVELOPES_UPPER_percent_away	161.0	0.038318	9.140882e-01	-2.454637	-0.863963	0.532139	0.532139	0.532139
14_MA_ENVELOPES_LOWER_percent_away	161.0	0.038327	9.140363e-01	-2.454502	-0.864895	0.531873	0.531873	0.531873
14_MA_ENVELOPES_MID_percent_away	161.0	0.038305	9.140535e-01	-2.454700	-0.863995	0.532908	0.532908	0.532908
CP__S2_percent_away	161.0	-0.078610	1.015381e+00	-2.040837	-0.905768	-0.048792	0.558686	0.558686
VOLUME_DOWN_percent_away	161.0	0.083313	1.660656e+00	-0.047565	-0.047565	-0.047565	-0.047565	-0.047565
CP__S1_percent_away	161.0	-0.076540	1.018175e+00	-2.135086	-0.833336	-0.016894	0.557401	0.557401
CP__R5_percent_away	161.0	-0.024394	1.028781e+00	-2.759710	-0.761173	0.167312	0.769370	0.769370
CP__R4_percent_away	161.0	-0.048407	1.031246e+00	-2.775388	-0.755696	0.153103	0.661412	0.661412
CP__R1_percent_away	161.0	-0.070768	1.023575e+00	-2.393238	-0.664270	0.041792	0.539985	0.539985
CP__C_percent_away	161.0	-0.073930	1.020944e+00	-2.269003	-0.752572	-0.009869	0.552733	2.552733
CP__S5_percent_away	161.0	-0.081342	9.980795e-01	-1.704626	-0.812217	-0.251391	0.550570	2.550570
BOLLI_500_MID_percent_away	161.0	-0.019248	9.655642e-01	-2.909324	-0.632198	0.055874	0.57216	0.57216
CP__R3_percent_away	161.0	-0.062898	1.027968e+00	-2.599601	-0.540786	0.157130	0.599208	0.599208
VOLUME_percent_away	161.0	0.102016	1.659005e+00	-0.058243	-0.058243	-0.058243	-0.058243	-0.058243
CP__S4_percent_away	161.0	-0.082394	1.005521e+00	-1.915401	-0.806777	-0.171469	0.552755	0.552755
CP__R2_percent_away	161.0	-0.067072	1.025950e+00	-2.504379	-0.569731	0.113497	0.541409	0.541409
1000_SMA_binary	161.0	-0.099942	9.987799e-01	-1.006795	-1.006795	-1.006795	0.993251	0.993251
144_SMA_binary	161.0	-0.060427	1.003068e+00	-1.029789	-1.029789	-1.029789	0.971073	0.971073
14_P_MA_ENVELOPES_LOWER_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
14_P_MA_ENVELOPES_MID_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
14_P_MA_ENVELOPES_UPPER_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
236_EMA_binary	161.0	-0.046863	1.002761e+00	-1.015928	-1.015928	-1.015928	0.984322	0.984322
382_EMA_binary	161.0	-0.054839	1.004969e+00	-1.062924	-1.062924	0.940801	0.940801	0.940801
618_EMA_binary	161.0	-0.046930	1.005102e+00	-1.067753	-1.067753	0.936546	0.936546	0.936546
62_ZLEMA_binary	161.0	0.051383	1.002843e+00	-0.979886	-0.979886	1.020527	1.020527	1.020527
8_ZLEMA_binary	161.0	0.060427	1.003068e+00	-0.971073	-0.971073	1.029789	1.029789	1.029789
ACCUM_DIST_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
APZ_LOW_binary	161.0	0.006838	9.609567e-01	-12.110601	0.082572	0.082572	0.082572	0.082572

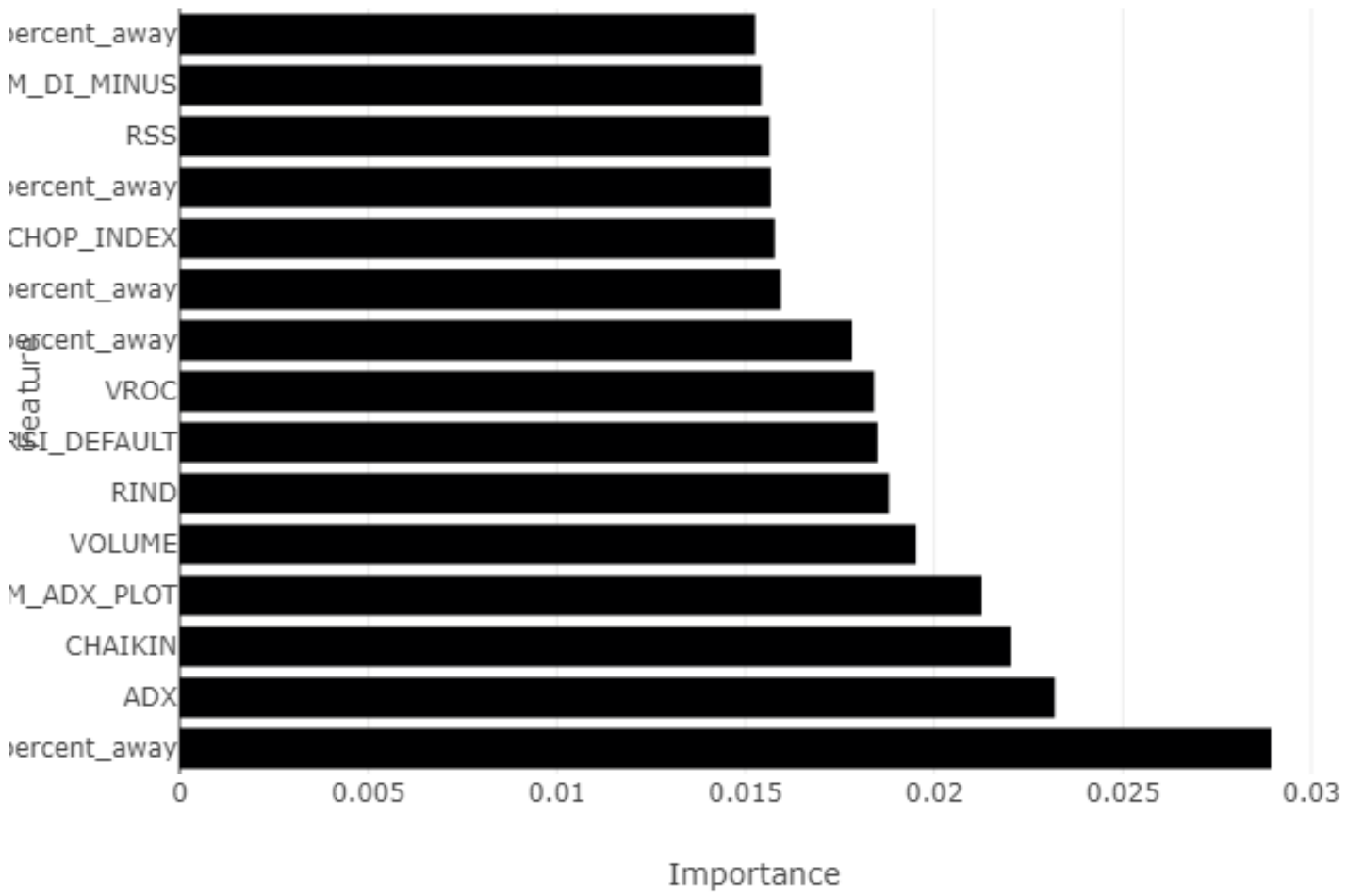
Loss Mitigation Analysis

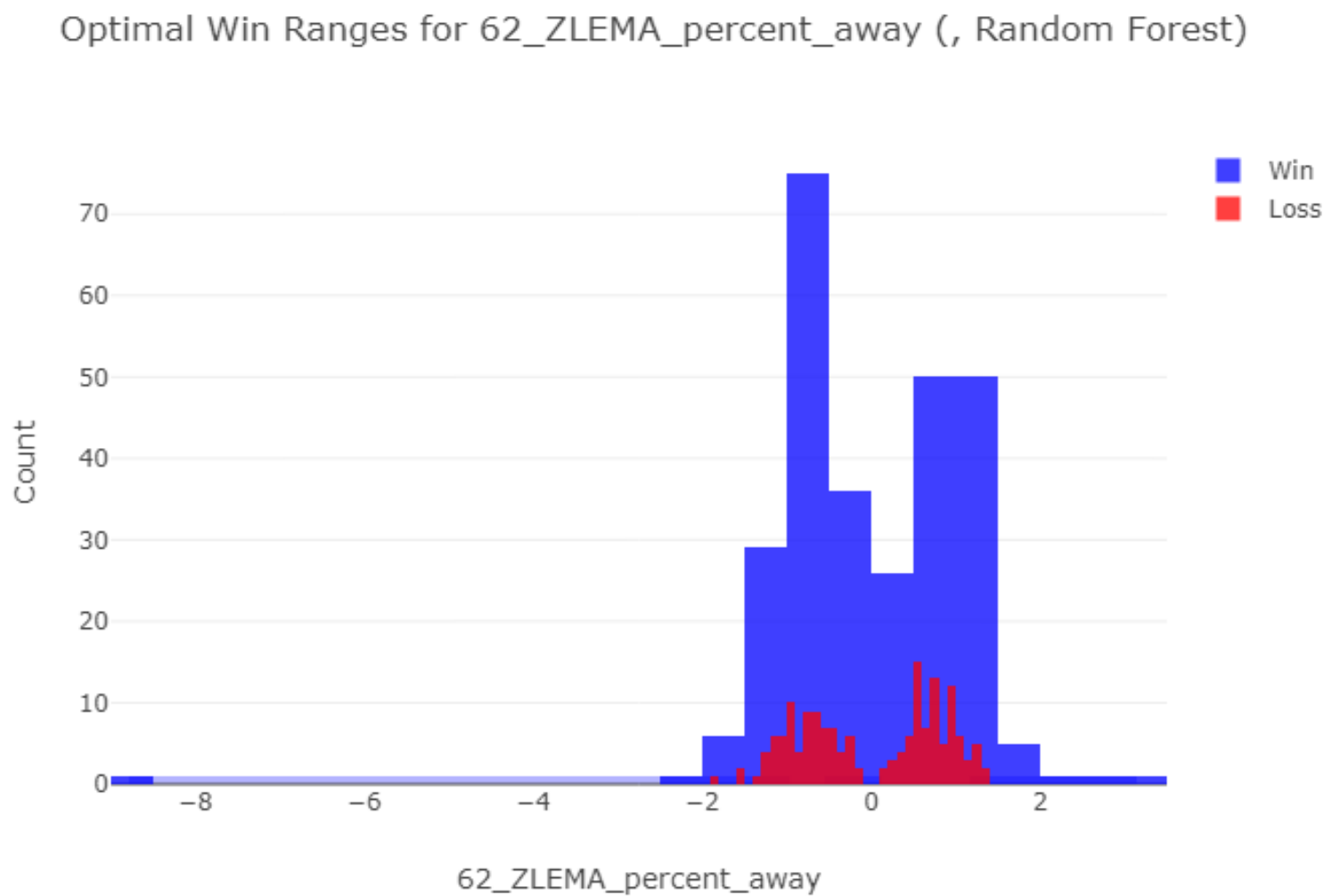
APZ_UPPER_binary	161.0	-0.106843	1.392109e-17	-0.106843	-0.106843	-0.106843	-0.106843	-0.106843
BOLLI_500_P_LOWER_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
BOLLI_500_P_MID_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
BOLLI_500_P_UPPER_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_C_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R1_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R2_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R3_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R4_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R5_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_R6_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S1_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S2_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S3_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S4_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S5_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CP+_S6_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
LIN_REG_binary	161.0	0.055904	1.002946e+00	-0.975470	-0.975470	1.025147	1.025147	1.025147
LIN_REG_INTERCEPT_binary	161.0	-0.036712	1.004025e+00	-1.043850	-1.043850	0.957992	0.957992	0.957992
OBV_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
VROC_binary	161.0	0.083313	1.660656e+00	-0.047565	-0.047565	-0.047565	-0.047565	21.02
VWAP_binary	161.0	-0.028866	1.001195e+00	-0.949362	-0.949362	-0.949362	1.053339	1.053339
VWAP_CLOUD_HIGH_binary	161.0	-0.046753	9.558273e-01	-0.425833	-0.425833	-0.425833	-0.425833	-0.425833
VWAP_CLOUD_LOW_binary	161.0	-0.005965	1.007665e+00	-2.022858	0.494350	0.494350	0.494350	0.494350
VWAP_L1_binary	161.0	-0.000390	1.003268e+00	-1.448414	-1.448414	0.690411	0.690411	0.690411
VWAP_L2_binary	161.0	0.055931	9.323624e-01	-2.742122	0.364681	0.364681	0.364681	0.364681
VWAP_U1_binary	161.0	-0.039410	9.839893e-01	-0.640959	-0.640959	-0.640959	1.560163	1.560163
VWAP_U2_binary	161.0	-0.027847	9.651728e-01	-0.336252	-0.336252	-0.336252	-0.336252	2.936252
ZIGZAG_HIGH_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
ZIGZAG_LOW_binary	161.0	0.047565	0.000000e+00	0.047565	0.047565	0.047565	0.047565	0.047565
14_MA_ENVELOPES_LOWER_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
14_MA_ENVELOPES_MID_binary	161.0	0.055904	1.002946e+00	-0.975470	-0.975470	1.025147	1.025147	1.025147
14_MA_ENVELOPES_UPPER_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
VOLUME_DOWN_binary	161.0	0.083313	1.660656e+00	-0.047565	-0.047565	-0.047565	-0.047565	-0.047565
CP__S1_binary	161.0	-0.114248	1.010358e+00	-1.127739	-1.127739	0.886730	0.886730	0.886730
BOLLI_500_MID_binary	161.0	-0.001659	1.003235e+00	-1.072607	-1.072607	0.932308	0.932308	0.932308
BOLLI_500_UPPER_binary	161.0	-0.067480	9.820797e-01	-0.762983	-0.762983	-0.762983	1.310645	1.310645
CP__C_binary	161.0	-0.121489	9.915214e-01	-0.966694	-0.966694	-0.966694	1.034453	1.034453
VOLUME_binary	161.0	0.117956	1.657334e+00	-0.067344	-0.067344	-0.067344	-0.067344	14.867344
CP__R4_binary	161.0	-0.015111	9.776353e-01	-0.279032	-0.279032	-0.279032	-0.279032	3.589032
CP__R5_binary	161.0	-0.088970	5.918357e-01	-0.135613	-0.135613	-0.135613	-0.135613	7.375613
BOLLI_500_LOWER_binary	161.0	-0.048119	1.021979e+00	-1.502449	-1.502449	0.665580	0.665580	0.665580
CP__S5_binary	161.0	-0.052497	1.080908e+00	-3.414256	0.292890	0.292890	0.292890	0.292890
CP__S2_binary	161.0	-0.056564	1.016676e+00	-1.304308	-1.304308	0.766690	0.766690	0.766690
CP__R3_binary	161.0	-0.054115	9.644463e-01	-0.532971	-0.532971	-0.532971	-0.532971	1.872971
CP__S6_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
CHAIKIN_binary	161.0	0.000000	0.000000e+00	0.000000	0.000000	0.000000	0.000000	0.000000
VOLUME_UP_binary	161.0	0.083313	1.660656e+00	-0.047565	-0.047565	-0.047565	-0.047565	2.047565
CP__R2_binary	161.0	-0.056245	9.734355e-01	-0.623470	-0.623470	-0.623470	1.603927	1.603927
CP__R6_binary	161.0	-0.047565	6.960544e-18	-0.047565	-0.047565	-0.047565	-0.047565	-0.047565
CP__S4_binary	161.0	-0.057982	1.038093e+00	-1.828425	-1.828425	0.546919	0.546919	0.546919
CP__S3_binary	161.0	-0.043715	1.018186e+00	-1.433587	-1.433587	0.697551	0.697551	0.697551
CP__R1_binary	161.0	-0.058451	9.887135e-01	-0.808075	-0.808075	-0.808075	1.237509	1.237509

Confusion Matrix

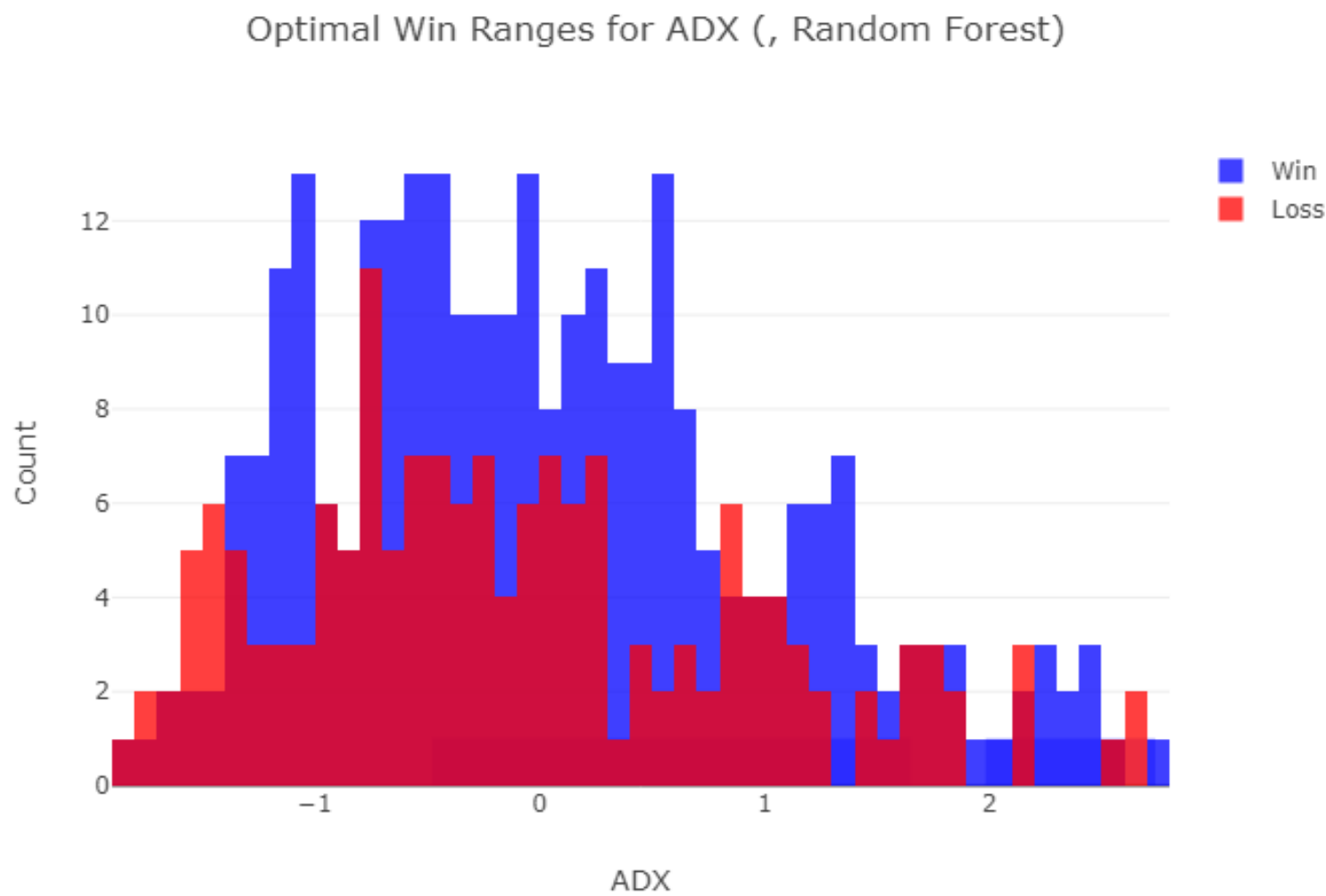


Feature Importance

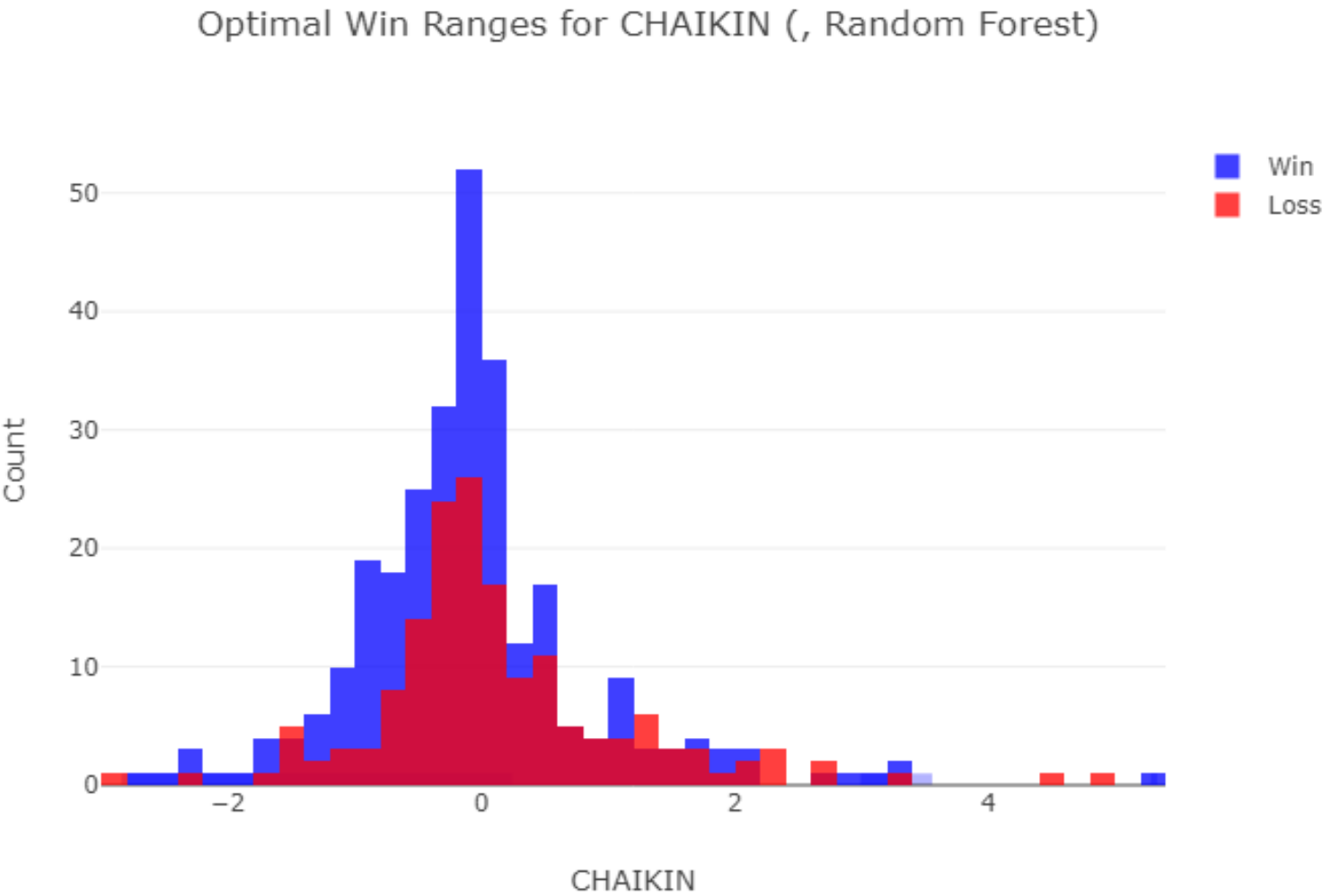




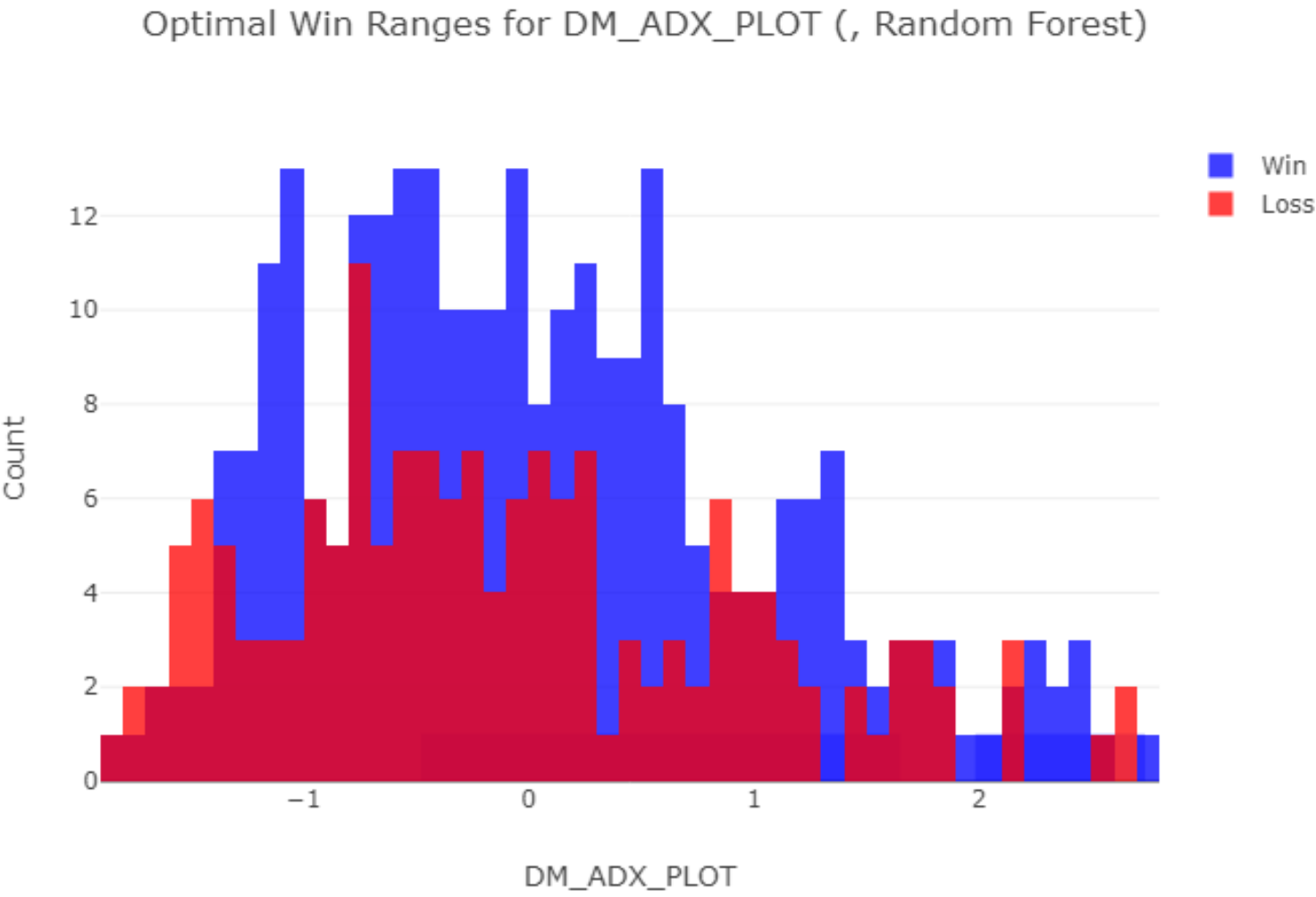
Optimal Win Ranges for ADX (, Random Forest)



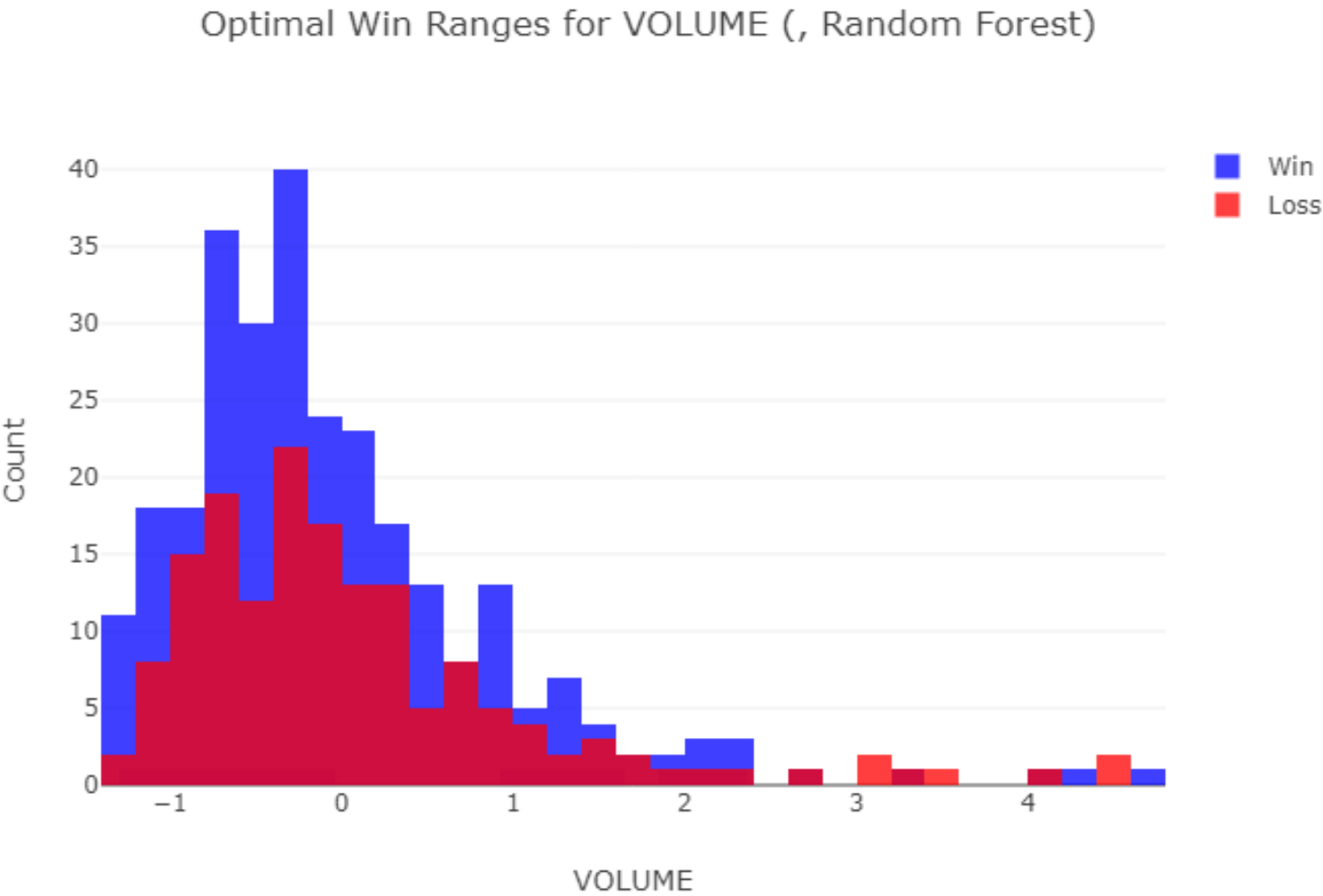
Optimal Win Ranges for CHAIKIN (, Random Forest)



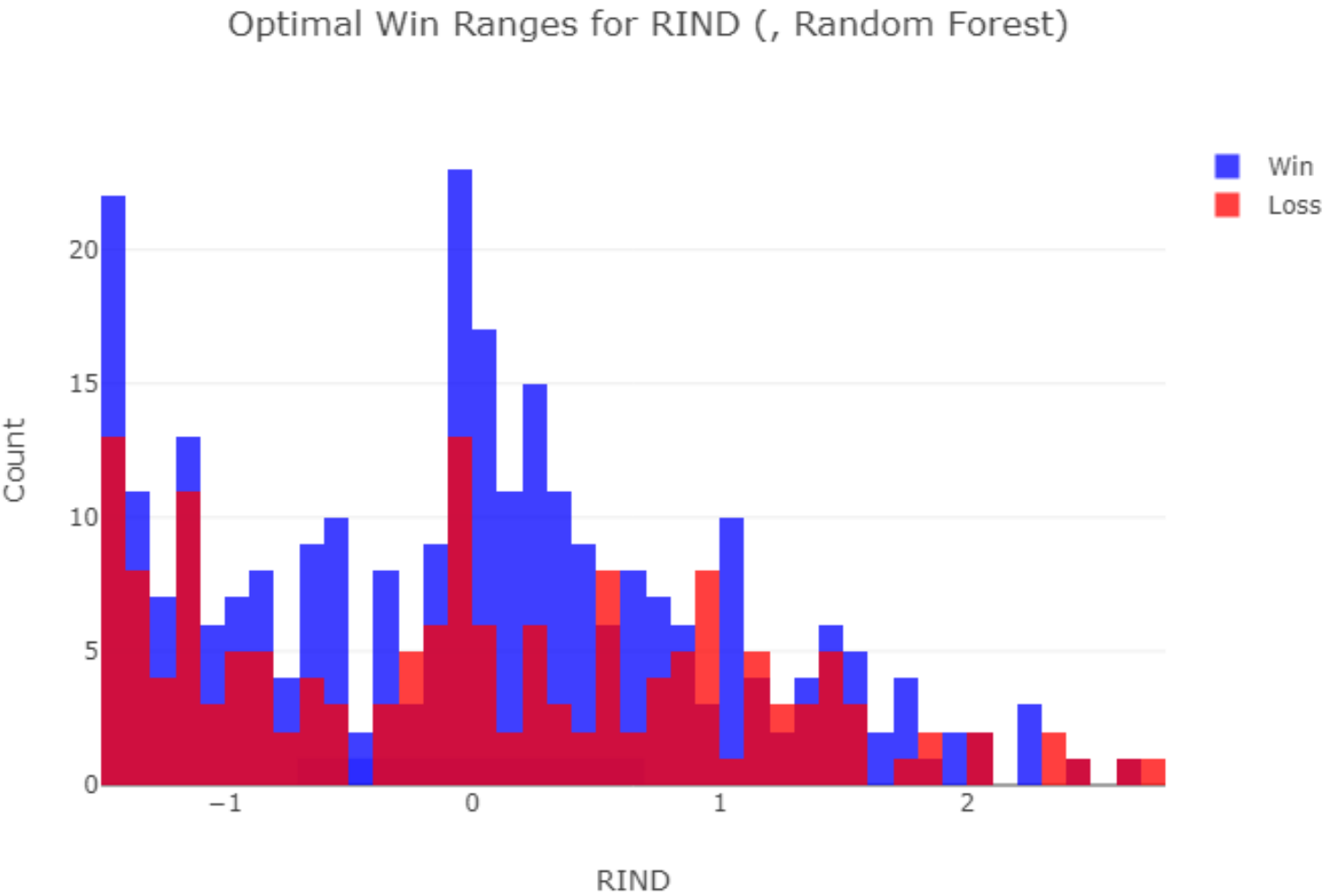
Optimal Win Ranges for DM_ADX_PLOT (, Random Forest)



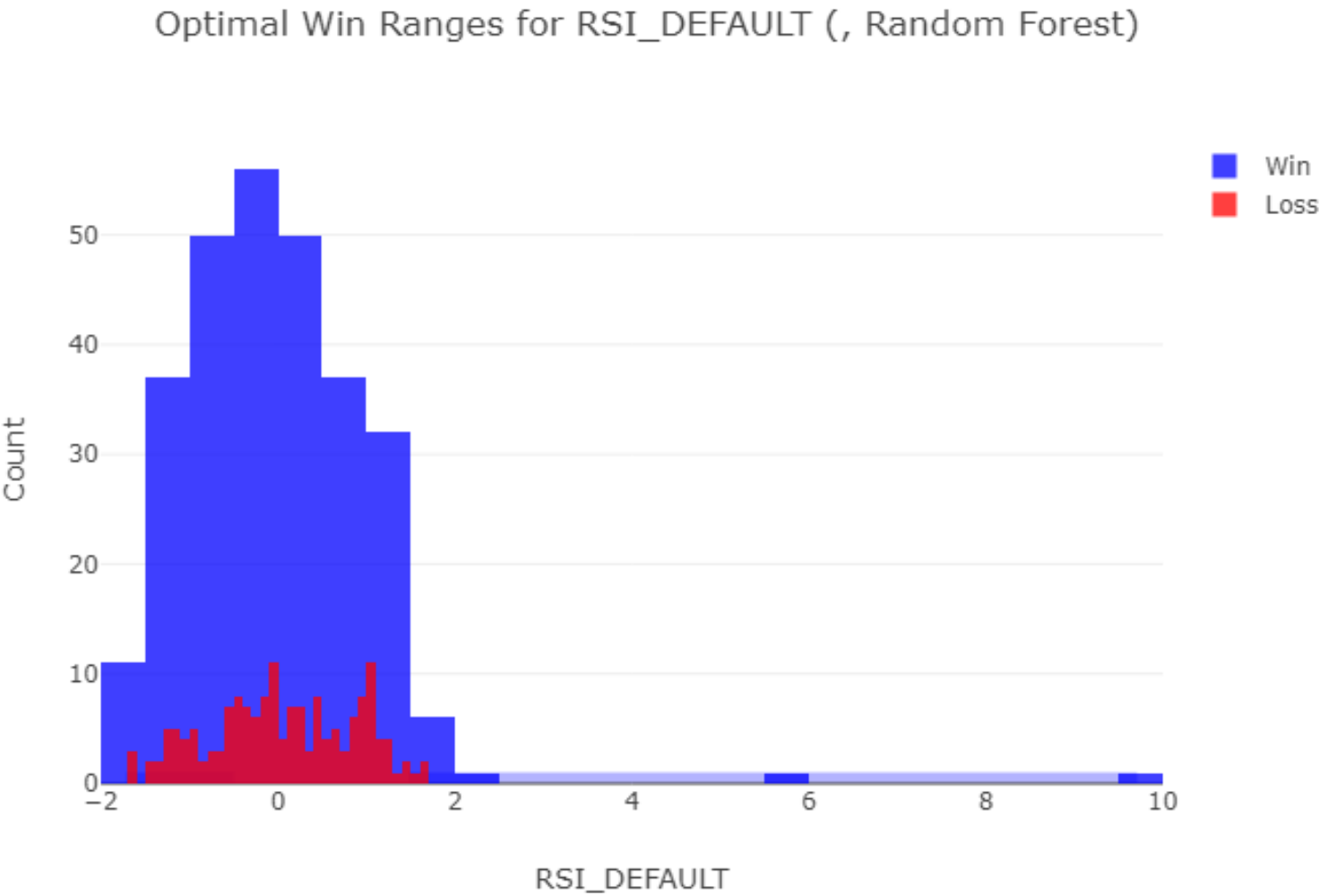
Optimal Win Ranges for VOLUME (, Random Forest)



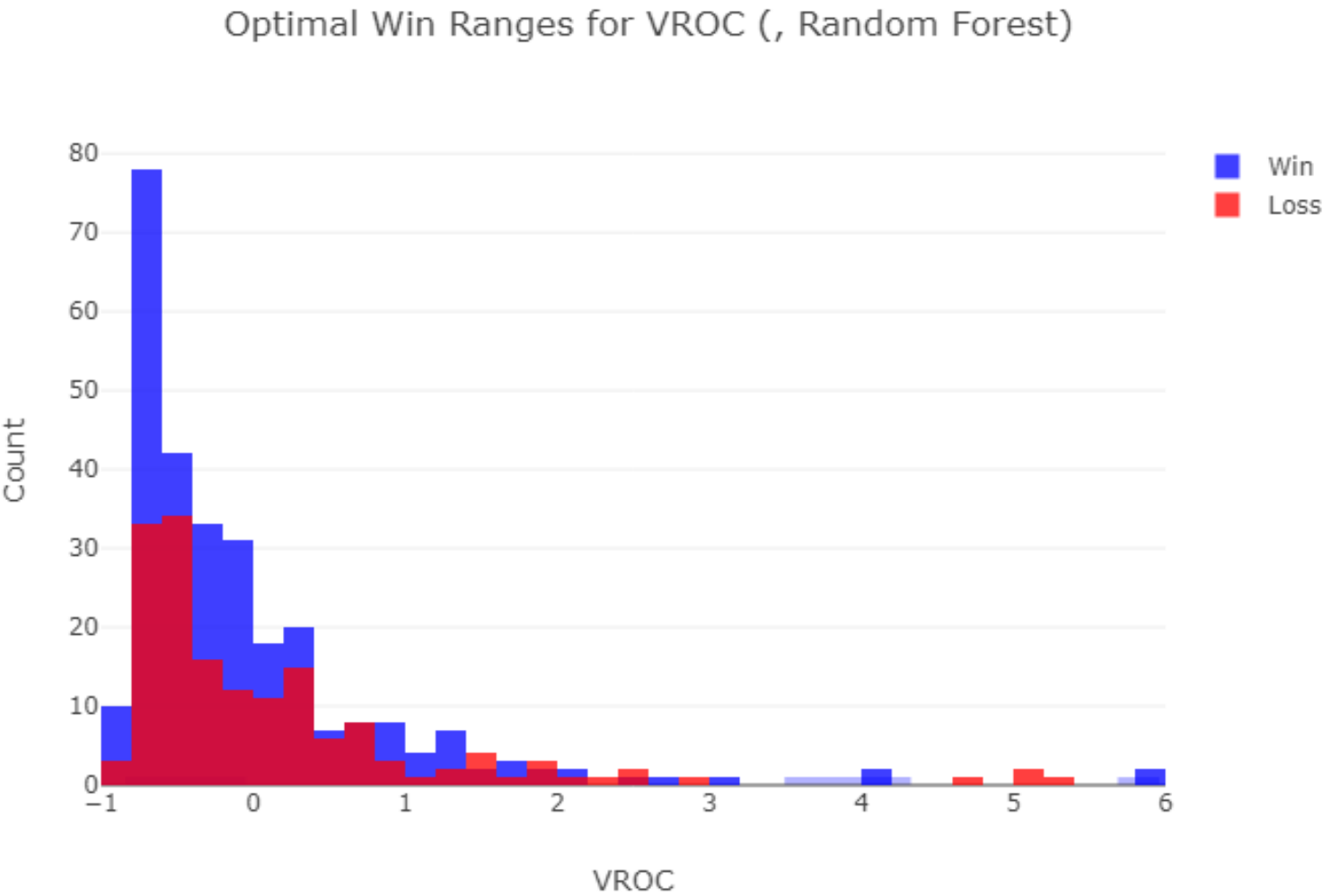
Optimal Win Ranges for RIND (, Random Forest)



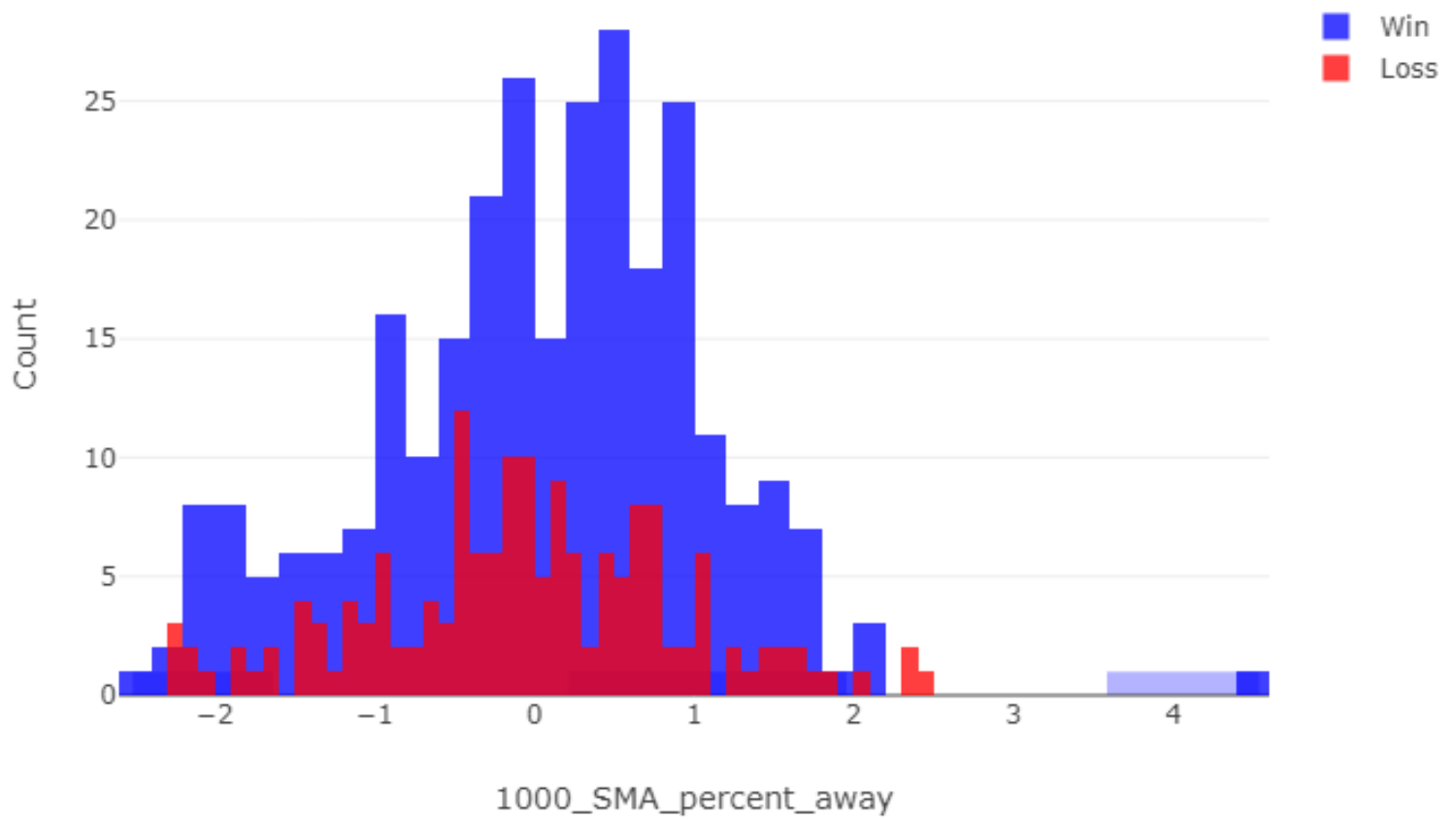
Optimal Win Ranges for RSI_DEFAULT (, Random Forest)



Optimal Win Ranges for VROC (, Random Forest)

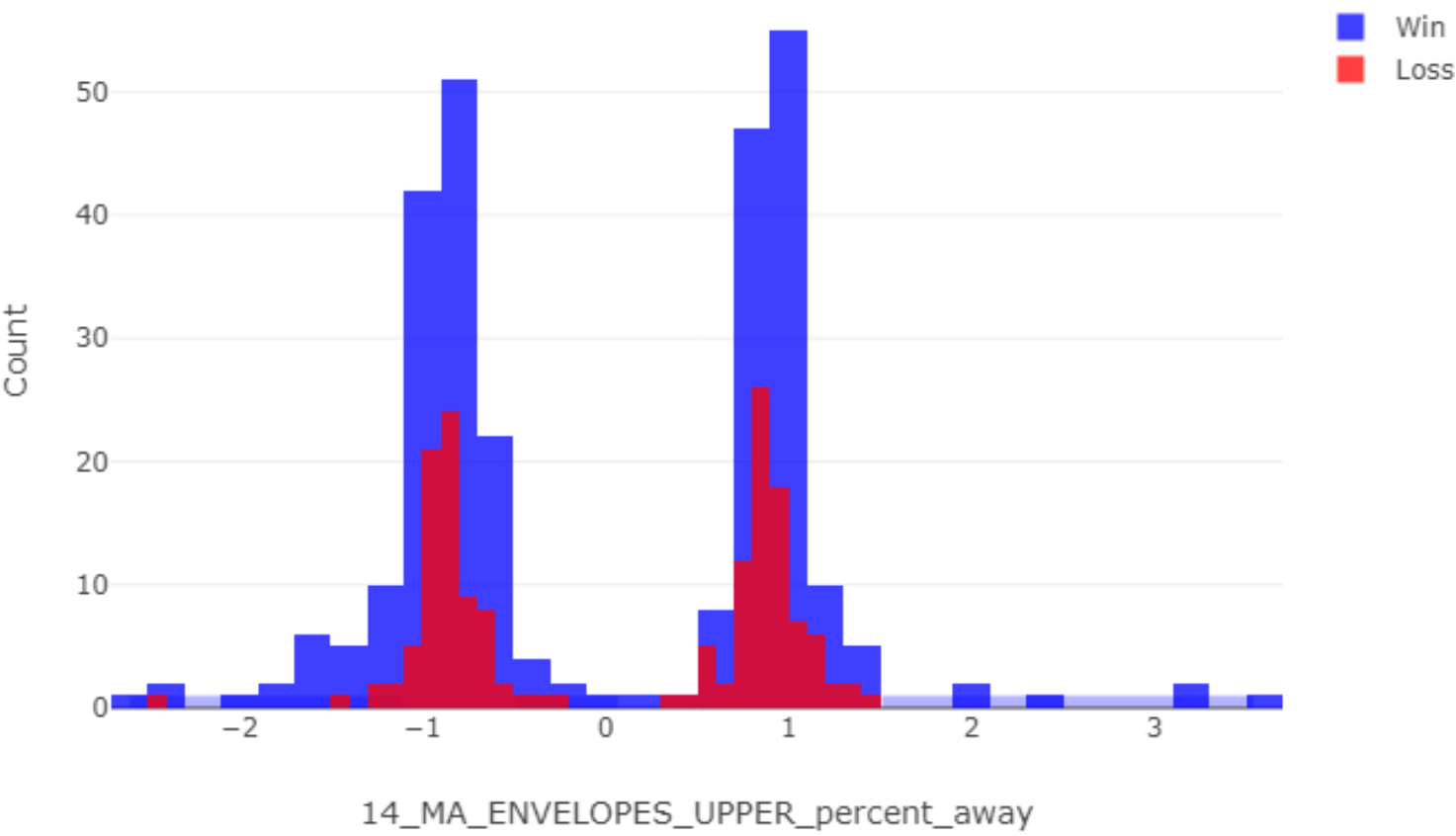


Optimal Win Ranges for 1000_SMA_percent_away (, Random Forest)

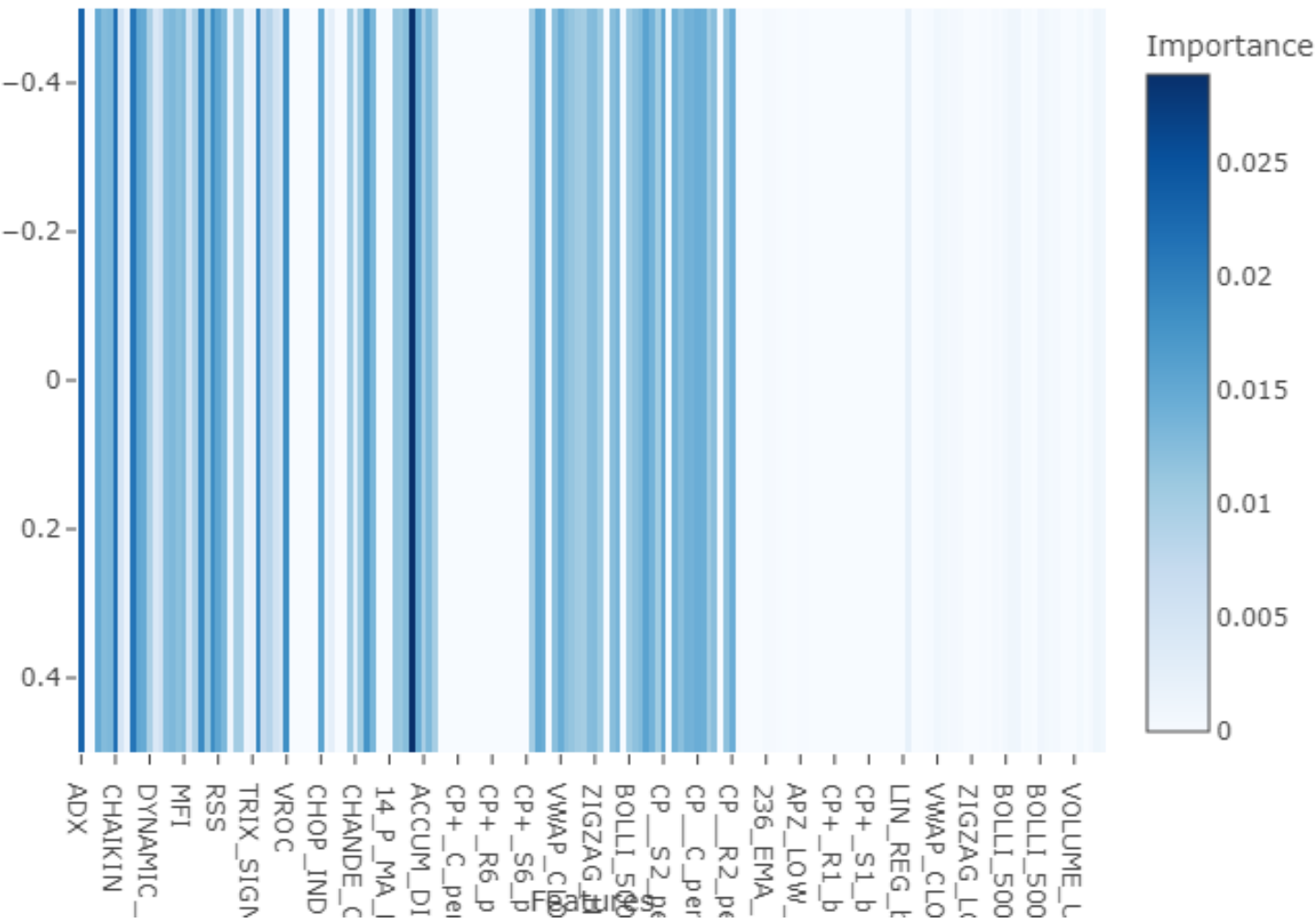


Optimal Win Ranges for 14_MA_ENVELOPES_UPPER_percent_away (, Random Forest)

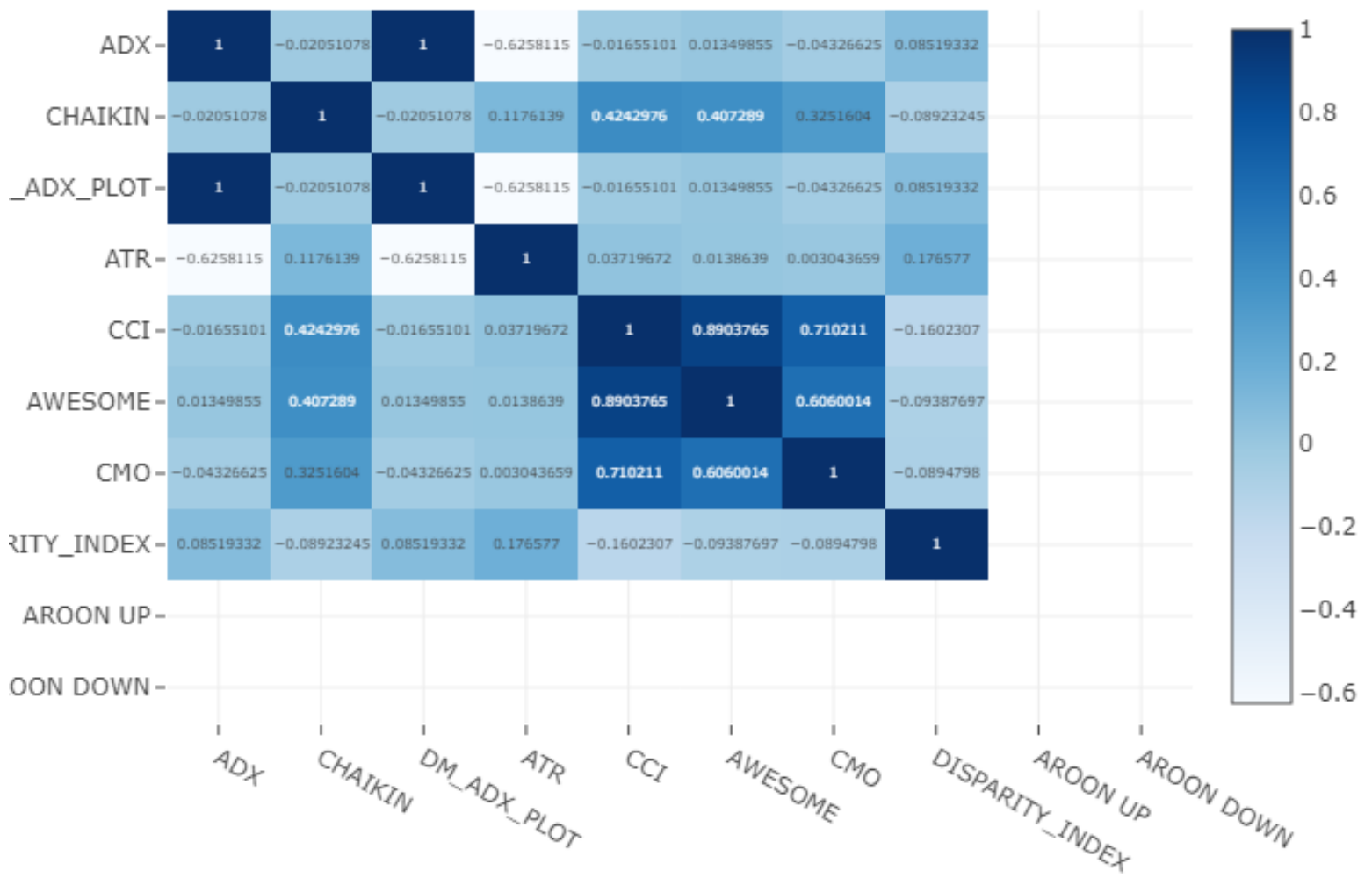
Optimal Win Ranges for 14_MA_ENVELOPES_UPPER_percent_away (, Random Forest)



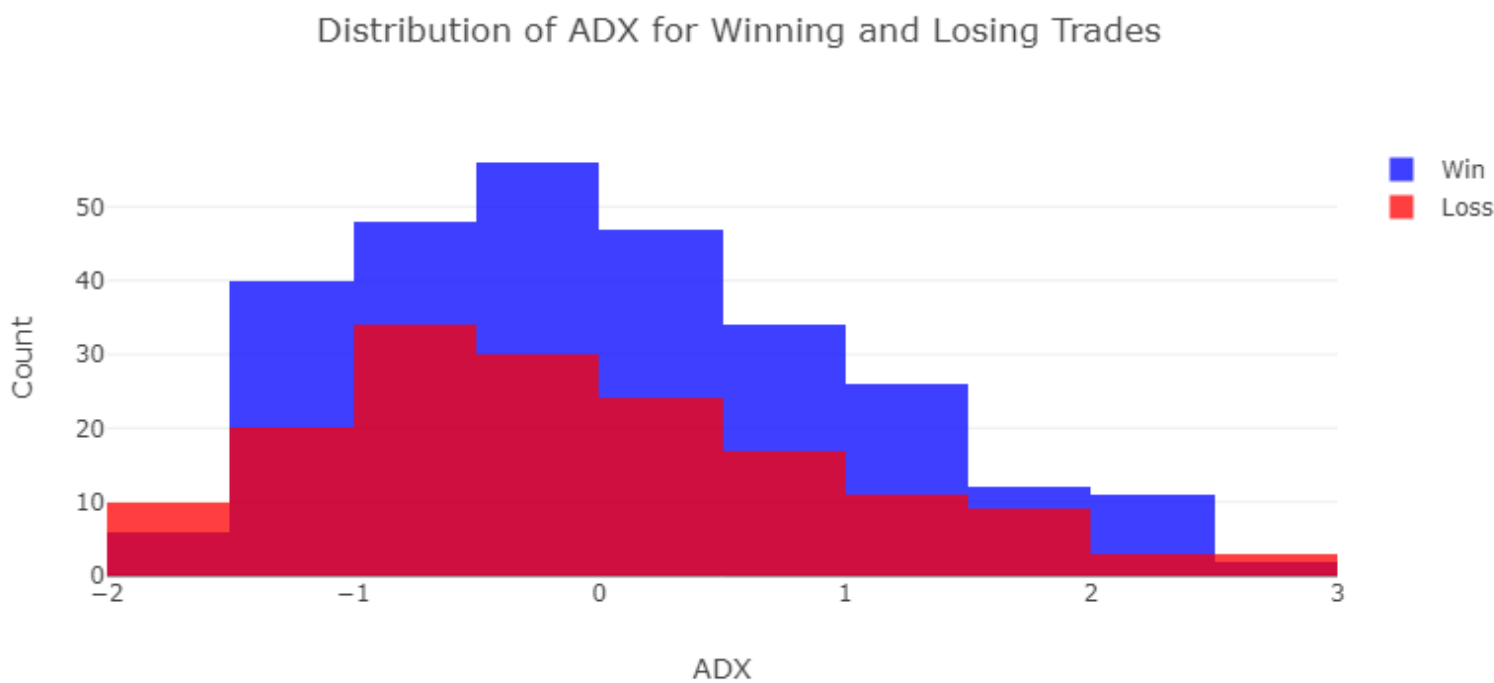
Feature Importance Heatmap



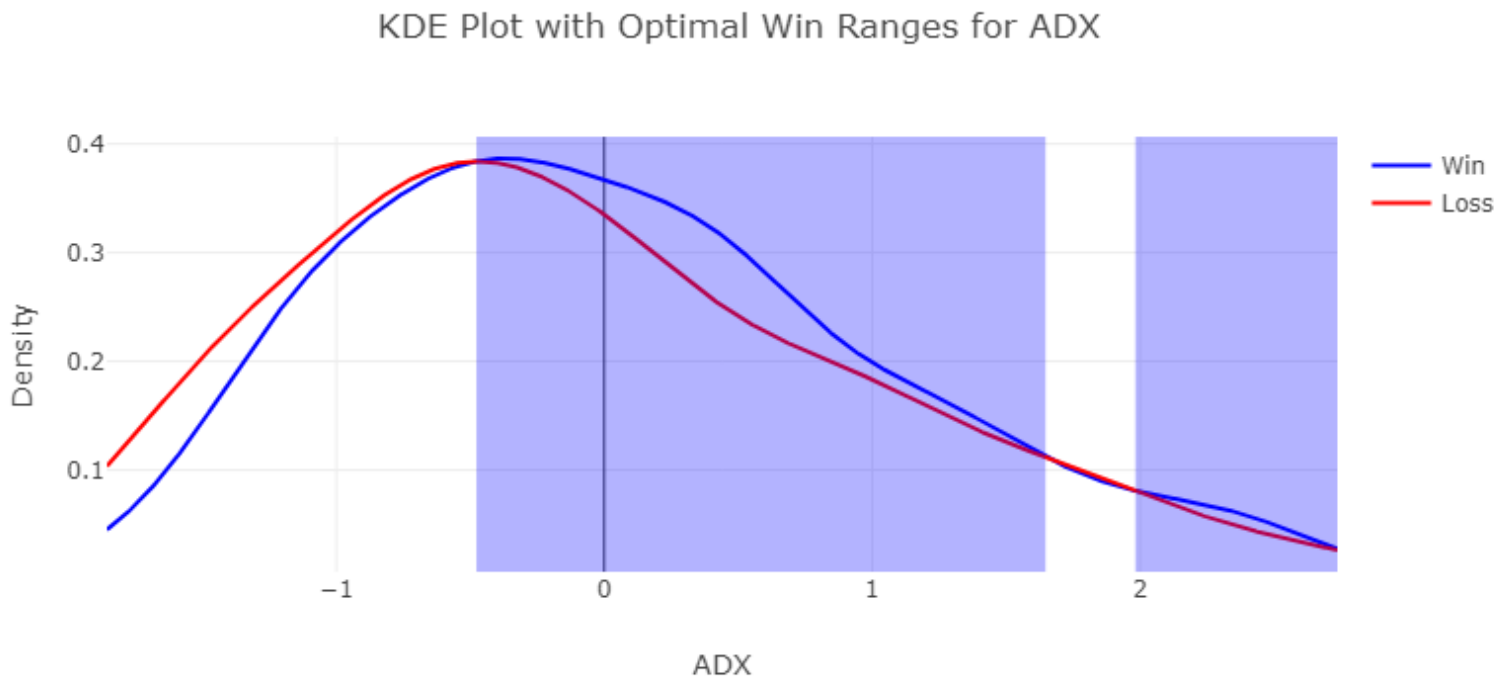
Correlation Matrix of Top Indicators



Distribution of ADX for Winning and Losing Trades



KDE Plot with Optimal Win Ranges for ADX



Mean Indicator Values for Losses

