Input

Features: start_idx, end_idx, Acceleration X(g)_mean, Acceleration X(g)_std, Acceleration X(g)_var, Acceleration X(g)_median, Acceleration X(g)_iqr, Acceleration X(g)_rms, Acceleration X(g)_ptp, Acceleration X(g)_sma, Acceleration X(g)_skew, Acceleration X(g)_kurtosis, Acceleration X(g)_zcr, Acceleration X(g)_dom_freq, Acceleration X(g)_spec_entropy, Acceleration X(g)_total_power, Acceleration Y(g)_mean, Acceleration Y(g)_std, Acceleration Y(g)_var, Acceleration Y(g)_median, Acceleration Y(g)_iqr, Acceleration Y(g)_rms, Acceleration Y(g)_ptp, Acceleration Y(g)_sma, Acceleration Y(g)_skew, Acceleration Y(g)_kurtosis, Acceleration Y(g)_zcr, Acceleration Y(g)_dom_freq, Acceleration Y(g)_spec_entropy, Acceleration Y(g)_total_power, Acceleration Z(g)_mean, Acceleration Z(g)_std, Acceleration Z(g)_var, Acceleration Z(g)_median, Acceleration Z(g)_iqr, Acceleration Z(g)_rms, Acceleration Z(g)_ptp, Acceleration Z(g)_sma, Acceleration Z(g)_skew, Acceleration Z(g)_kurtosis, Acceleration Z(g)_zcr, ... (total: 114 features)
Target: Clase

Ranks

		#	Info. gain	Gain ratio	Gini	ANOVA	χ^2	ReliefF
1	N Angular velocity X(°/s)_sma		1.039	0.520	0.417	2457.874	1207.066	0.162
2	N Angular velocity X(°/s)_rms		0.995	0.497	0.408	2600.925	1178.569	0.183
3	N Acceleration X(g)_sma		0.970	0.485	0.399	1515.406	1163.865	0.163
4	N Acceleration Z(g)_sma		0.942	0.471	0.399	2292.687	1108.959	0.243
5	N Acceleration X(g)_rms		0.938	0.469	0.394	1456.001	1126.557	0.160
6	N Acceleration Y(g)_sma		0.930	0.465	0.382	893.318	1031.044	0.058
7	N Acceleration Y(g)_rms		0.930	0.465	0.382	1004.204	1031.044	0.071
8	N Acceleration Z(g)_rms		0.928	0.464	0.393	2355.786	1102.458	0.270
9	N Acceleration Y(g)_mean		0.909	0.454	0.378	786.020	1009.456	0.053
10	N Acceleration Y(g)_median		0.895	0.448	0.369	736.418	936.099	0.055
11	N Acceleration X(g)_iqr		0.870	0.435	0.359	1143.183	918.001	0.147
12	N Acceleration Y(g)_iqr		0.863	0.432	0.357	1221.815	915.267	0.079
13	N Acceleration Y(g)_var		0.841	0.421	0.353	267.150	904.514	0.028
14	N Acceleration Y(g)_std		0.841	0.421	0.353	1151.080	904.514	0.109
15	N Angular velocity X(°/s)_var		0.835	0.418	0.346	474.961	905.842	0.059
16	N Angular velocity X(°/s)_std		0.835	0.418	0.346	1625.753	905.842	0.164
17	N Acceleration X(g)_var		0.832	0.416	0.347	492.715	904.684	0.063
18	N Acceleration X(g)_std		0.832	0.416	0.347	1203.792	904.684	0.155
19	N Angle X(°)_rms		0.831	0.416	0.335	1299.299	1082.279	0.152
20	N Acceleration Y(g)_total_power		0.828	0.414	0.349	292.981	899.247	0.039
21	N Acceleration Y(g)_ptp		0.828	0.414	0.353	1218.623	892.547	0.142
22	N Angle X(°)_sma		0.823	0.411	0.334	1108.819	1074.753	0.143
23	N Angular velocity X(°/s)_iqr		0.822	0.411	0.344	1243.076	896.641	0.106
24	N Angular velocity X(°/s)_total_power		0.818	0.409	0.337	464.342	900.748	0.061
25	N Acceleration X(g)_ptp		0.810	0.405	0.340	1246.366	895.796	0.171
26	N Acceleration X(g)_total_power		0.801	0.400	0.335	463.122	890.206	0.064
27	N Angular velocity X(°/s)_ptp		0.780	0.390	0.317	1680.065	886.360	0.196
28	N Acceleration Z(g)_var		0.777	0.389	0.336	1031.367	867.965	0.146
29	N Acceleration Z(g)_std		0.777	0.389	0.336	1777.039	867.965	0.268
30	N Angle X(°)_iqr		0.775	0.388	0.317	1086.552	889.452	0.125
31	N Acceleration Z(g)_iqr		0.770	0.385	0.332	1474.423	866.387	0.191
32	N Angle X(°)_var		0.768	0.384	0.314	324.579	885.413	0.062
33	N Angle X(°)_std		0.768	0.384	0.314	1385.027	885.413	0.173
34	N Acceleration Z(g)_ptp		0.767	0.384	0.332	1770.288	864.480	0.260
35			0.753	0.377	0.325	981.375	857.168	0.148

	N Acceleration Z(g)_total_power						
36	N Angle X(°)_total_power	0.732	0.366	0.297	311.394	868.737	0.058
37	N Acceleration Z(g)_median	0.732	0.366	0.315	168.613	652.001	0.030
38	N Angle X(°)_ptp	0.706	0.353	0.280	1606.872	853.312	0.205
39	N Angular velocity X(°/s)_mean	0.701	0.351	0.305	75.961	491.384	0.030
40	N Angle X(°)_zcr	0.690	0.357	0.310	315.533	1074.421	0.050
41	N Angular velocity X(°/s)_median	0.672	0.336	0.286	119.849	532.781	0.030
42	N Angle Y(°)_total_power	0.660	0.330	0.257	28.601	824.579	0.003
43	N Angle X(°)_dom_freq	0.646	0.350	0.298	256.984	993.203	0.077
44	N Angle Y(°)_ptp	0.634	0.317	0.238	205.436	798.063	0.083
45	N Angle Y(°)_var	0.633	0.317	0.240	35.603	801.129	0.007
46	N Angle Y(°)_std	0.633	0.317	0.240	152.521	801.129	0.052
47	N Angle Y(°)_iqr	0.633	0.317	0.242	109.021	805.409	0.037
48	N Acceleration Y(g)_zcr	0.536	0.298	0.209	507.030	1076.996	0.089
49	N Angular velocity Z(°/s)_sma	0.535	0.286	0.241	251.399	239.575	0.062
50	N Angular velocity Z(°/s)_rms	0.525	0.280	0.237	244.656	237.599	0.066
51	N Acceleration Z(g)_mean	0.523	0.261	0.194	0.005	15.981	0.010
52	N Acceleration X(g)_kurtosis	0.518	0.259	0.234	115.560	741.354	0.021
53	N Acceleration Z(g)_kurtosis	0.508	0.254	0.228	42.468	698.978	0.046
54	N Acceleration X(g)_zcr	0.506	0.257	0.229	936.944	835.500	0.170
55	N Angular velocity Z(°/s)_iqr	0.498	0.273	0.218	203.204	153.211	0.045
56	N Angular velocity Z(°/s)_dom_freq	0.492	0.275	0.221	28.754	171.805	0.019
57	N Acceleration X(g)_mean	0.441	0.220	0.185	53.069	139.889	0.031
58	N Angle X(°)_spec_entropy	0.402	0.201	0.180	211.715	579.275	0.064
59	N Acceleration Z(g)_spec_entropy	0.400	0.200	0.180	60.287	427.347	0.035
60	N Angle Y(°)_spec_entropy	0.388	0.194	0.163	246.041	599.871	0.115
61	N Angular velocity Z(°/s)_ptp	0.378	0.207	0.166	122.154	133.983	0.040
62	N Acceleration X(g)_dom_freq	0.375	0.196	0.164	128.070	764.991	0.060
63	N Angle X(°)_mean	0.365	0.182	0.155	36.505	304.563	0.036
64	N Angular velocity Z(°/s)_var	0.320	0.171	0.136	46.432	142.568	0.008
65	N Angular velocity Z(°/s)_std	0.320	0.171	0.136	156.999	142.568	0.049
66	N Acceleration Y(g)_dom_freq	0.318	0.160	0.141	347.788	234.725	0.091
67	N Angular velocity X(°/s)_kurtosis	0.312	0.156	0.137	18.186	490.616	0.060
68	N Acceleration Y(g)_spec_entropy	0.311	0.155	0.132	39.145	517.035	0.055
69	N Acceleration Z(g)_zcr	0.311	0.155	0.143	471.275	498.207	0.069
70	N Acceleration X(g)_median	0.308	0.154	0.135	21.203	97.034	0.014
71	N Angular velocity Z(°/s)_total_power	0.299	0.160	0.127	42.652	138.037	0.006
72	N Angle X(°)_median	0.298	0.149	0.125	22.757	218.072	0.024
73	N Angular velocity Z(°/s)_mean	0.278	0.150	0.105	27.518	12.395	0.029
74	N Angular velocity Z(°/s)_zcr	0.265	0.190	0.114	191.617	567.790	0.088
75	N Angle Y(°)_dom_freq	0.264	0.157	0.107	187.907	163.165	0.051
76	N Angular velocity Z(°/s)_median	0.235	0.127	0.091	16.564	7.306	0.016
77	N Acceleration Z(g)_dom_freq	0.231	0.122	0.105	32.915	275.636	0.031
78	N Acceleration Z(g)_skew	0.227	0.114	0.093	31.331	187.424	0.035
79	N Acceleration Y(g)_skew	0.225	0.113	0.095	171.436	383.032	0.026
80	N Angular velocity Z(°/s)_kurtosis	0.219	0.109	0.088	1.935	111.359	0.073
81	N Angle X(°)_kurtosis	0.208	0.104	0.083	10.377	279.020	0.032
82	N Acceleration X(g)_spec_entropy	0.202	0.101	0.089	106.137	257.374	0.036
83	N Angular velocity Z(°/s)_skew	0.178	0.089	0.076	19.571	84.443	0.051

84	N Angular velocity Z(°/s)_spec_entropy	0.169	0.090	0.064	37.997	81.080	0.031
85	N Angular velocity X(°/s)_skew	0.168	0.084	0.079	85.088	192.219	0.037
86	N Acceleration Y(g)_kurtosis	0.158	0.079	0.068	19.589	280.782	0.005
87	N Angle Y(°)_mean	0.151	0.076	0.067	64.719	207.649	0.099
88	N Angular velocity X(°/s)_dom_freq	0.146	0.076	0.068	7.074	98.088	0.016
89	N Acceleration X(g)_skew	0.141	0.070	0.063	83.632	191.487	0.033
90	N Angle Y(°)_median	0.129	0.065	0.057	58.173	164.236	0.098
91	N Angle Y(°)_zcr	0.108	0.146	0.043	58.764	400.514	0.008
92	N Angle Z(°)_skew	0.106	0.053	0.046	8.750	3.000	0.022
93	N Angular velocity X(°/s)_spec_entropy	0.102	0.051	0.046	30.637	129.797	0.029
94	N Angle Y(°)_sma	0.100	0.050	0.044	62.356	122.303	0.099
95	N Angle Y(°)_rms	0.099	0.050	0.044	53.791	117.969	0.098
96	N Angle X(°)_skew	0.098	0.049	0.044	8.572	74.810	0.022
97	N Angular velocity X(°/s)_zcr	0.097	0.049	0.044	120.499	187.469	0.051
98	N Angle Y(°)_kurtosis	0.096	0.048	0.045	10.055	103.396	0.177
99	N Angle Y(°)_skew	0.092	0.046	0.043	26.952	104.106	0.129
100	N Angle Z(°)_iqr	0.080	0.143	0.032	37.260	93.111	0.017

+ 14 more

Output

Features: Angular velocity X(°/s)_sma, Angular velocity X(°/s)_rms, Acceleration X(g)_sma, Acceleration Z(g)_sma, Acceleration X(g)_rms, Acceleration Y(g)_sma, Acceleration Y(g)_rms, Acceleration Z(g)_rms
Target: Clase