Most Important Features - Random Forest | **Feature Importance Values - Random Forest**

Dataset	CNN	FCNN	GRU	LSTM	Transformer
AbnormalHeartbeat	num layers	learning rate	learning rate	dropout rate	learning rate
Adiac	learning rate	learning rate	learning rate	learning rate	learning rate
ArrowHead	learning rate	learning rate	learning rate	learning rate	dropout rate
Beef	num filters	learning rate	learning rate	learning rate	learning rate
BeetleFly	num layers	learning rate	learning rate	learning rate	dropout rate
BinaryHeartbeat	num layers	learning rate	out. act.: relu	learning rate	learning rate
BirdChicken	num layers	learning rate	num layers	learning rate	learning rate
CBF	learning rate	learning rate	learning rate	learning rate	learning rate
Car	num filters	learning rate	learning rate	hidden rate	learning rate
CatsDogs	num filters	learning rate	learning rate	learning rate	learning rate
ChlorineConcentration	learning rate	learning rate	learning rate	learning rate	dropout rate
CinCECGTorso	num filters	learning rate	learning rate	learning rate	learning rate
CounterMovementJump	learning rate	learning rate	learning rate	learning rate	learning rate
DucksAndGeese	num layers	learning rate	learning rate	learning rate	dropout rate
EigenWorms	num layers	num layers	learning rate	learning rate	learning rate
FaultDetectionB	learning rate	learning rate	learning rate	learning rate	learning rate
FiftyWords	num filters	learning rate	learning rate	learning rate	learning rate
HouseTwenty	learning rate	learning rate	learning rate	learning rate	pooling: mean
KeplerLightCurves	num layers	learning rate	learning rate	learning rate	learning rate
RightWhaleCalls	num filters	learning rate	num layers	num layers	learning rate
classification_ozone	num filters	dropout rate	learning rate	hidden units	learning rate

Dataset	CNN	FCNN	GRU	LSTM	Transformer
AbnormalHeartbeat	0.178	0.842	0.570	0.436	0.253
Adiac	0.296	0.759	0.711	0.683	0.463
ArrowHead	0.335	0.743	0.478	0.518	0.467
Beef	0.299	0.759	0.678	0.741	0.492
BeetleFly	0.330	0.780	0.662	0.410	0.568
BinaryHeartbeat	0.194	0.844	0.242	0.516	0.535
BirdChicken	0.357	0.801	0.276	0.670	0.332
CBF	0.419	0.782	0.854	0.632	0.622
Car	0.361	0.699	0.510	0.441	0.482
CatsDogs	0.234	0.363	0.259	0.472	0.711
ChlorineConcentration	0.179	0.891	0.530	0.497	0.264
CinCECGTorso	0.247	0.596	0.552	0.648	0.729
CounterMovementJump	0.288	0.579	0.685	0.710	0.644
DucksAndGeese	0.311	0.507	0.416	0.438	0.521
EigenWorms	0.243	0.408	0.758	0.735	0.731
FaultDetectionB	0.355	0.631	0.500	0.829	0.444
FiftyWords	0.301	0.868	0.698	0.683	0.750
HouseTwenty	0.229	0.690	0.641	0.483	0.344
KeplerLightCurves	0.448	0.810	0.702	0.698	0.438
RightWhaleCalls	0.304	0.404	0.397	0.563	0.531
classification_ozone	0.277	0.308	0.534	0.309	0.318