

Supplementary Material

Table S1. Feature's ranking based on importance score computed by maximum relevance and minimum redundancy method.

Rank	Feature	Rank	Feature	Rank	Feature	Rank	Feature
1	IQR(Gyr)	14	mad(Gyr)	27	NPosPeak(Acc)	40	mean(Acc)
2	kurtosis(Acc ')	15	skewness(Acc)	28	max(Gyr)	41	max(Gyr ')
3	ZeroCrossing(Gyr ')	16	median(Gyr ')	29	P90(Acc)	42	P10(Acc ')
4	min(Acc)	17	skewness(Gyr)	30	min(Gyr ')	43	P10(Acc)
5	min(Gyr)	18	max(Acc)	31	MotionLess(Gyr)	44	MotionLess(Acc)
6	skewness(Gyr ')	19	skewness(Acc ')	32	mean(Gyr)	45	std(Acc)
7	mean(Gyr ')	20	skewness(Gyr ')	33	median(Acc ')	46	IQR(Acc)
8	min(Acc ')	21	P90(Gyr ')	34	std(Gyr ')	47	median(Acc)
9	NNegPeak(Gyr)	22	NPosPeak(Gyr)	35	NNegPeak(Acc)	48	mad(Acc)
10	P90(Gyr)	23	std(Gyr)	36	median(Gyr)	49	mad(Acc ')
11	kurtosis(Gyr)	24	kurtosis(Acc)	37	kurtosis(Gyr ')	50	ZeroCrossing(Acc ')
12	P10(Gyr)	25	IQR(Gyr ')	38	mad(Gyr ')	51	IQR(Acc ')
13	P10(Gyr ')	26	max(Acc ')	39	P90(Acc ')	52	std(Acc ')

Mad: mean absolute deviation, P10: 10th percentile, P90: 90th percentile, IQR: interquartile range, NNegPeak: number of valleys, NPosPeak: Number of peaks, MotionLess: percentage of the motion less period, ZeroCrossing: number of zero crossing.

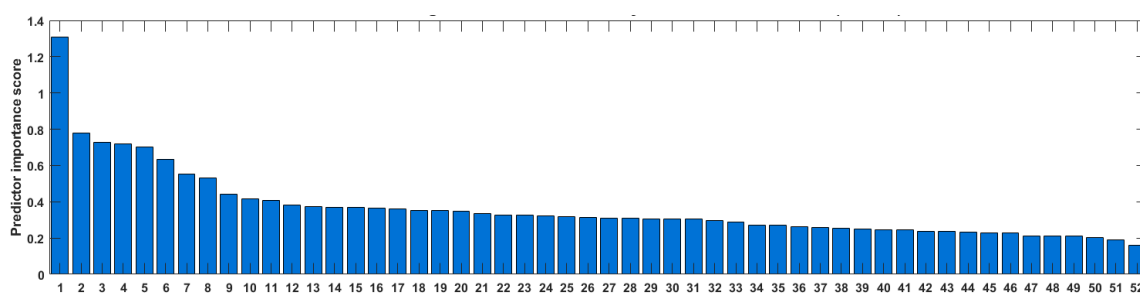


Figure S1. Feature's importance score computed by minimum redundancy maximum relevance method for 52 features.