

**Exploring the clinical features of narcolepsy type 1 versus narcolepsy type 2 from
European Narcolepsy Network database with machine learning**

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on behalf of the EUROPEAN NARCOLEPSY NETWORK (EU-NN)

NT1/NT2

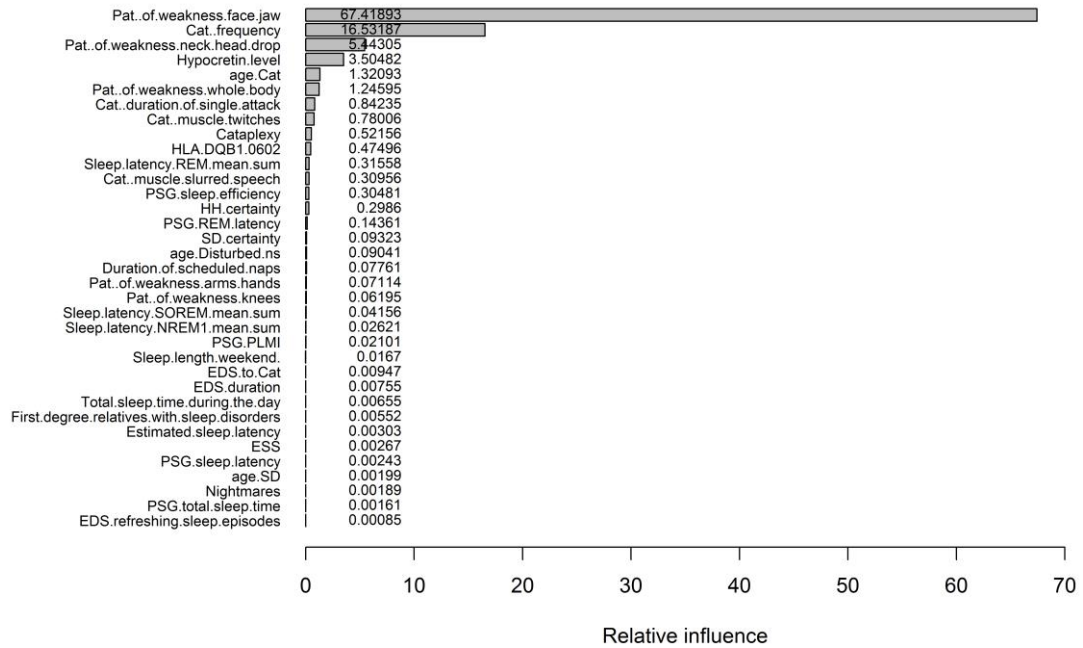


Figure 1. The relative influences of the 35 features contributing to the classification of NT1 and NT2 selected by our SGB model. The variable names written on the vertical axis. “Pat.” is short for pattern, “Cat.” is cataplexy. “Sleep.latency.REM.mean.sum” is the mean REM latency of multiple sleep latency tests. “HH.certainty” is the certainty of hypnagogic hallucinations. “PSG” is polysomnography, “SD.certainty” is sleep diagnosis certainty, “ns” is short for nocturnal sleep, “Sleep.latency.SOREM.mean.sum” is the number of SOREM (sleep onset REM) of multiple sleep latency tests, “Sleep.latency.NREM1.mean.sum” is the mean sleep latency of non-REM sleep stage 1 of multiple sleep latency tests, “PSG.PLMI” is the periodic limb movement index of PSG recordings, “EDS” is short for excessive daytime sleepiness, “EDS. to Cat.” is the time period (years) between showing EDS and cataplexy in patients, “ESS” is Epworth Sleepiness Scale, “age. SD” is the age of the patient diagnosed with sleep disorders.