

S1) A list of all used Features including their category. Tablet-based Features are split among precision-based, force-based, and time-based features.

Feature category	Feature ID	Feature Name	Preprocessing	Explanation
Questionnaire	Qyes	Qyes	None	Qyes is the count of positive answered questions in the Parkinson Disease Non-Motor Scale questionnaire. Thus, the possible range is between 0 (all questions answered with "no") and 30 (all the answers are "yes").
Precision feature	F1c	DistanceFFT	Excision of first and last 10 percent	For F1 <i>DistanceFFT</i> , a discrete fast Fourier transformation (FFT) was applied on the distance-time series with the Python 3.8 NumPy package (version 1.20.2). The new timeseries was separated in the frequency spectrum between 3 and 15 Hz into 20 bins. On these bins, the standard deviation was calculated to see if there is a dominant frequency. In the case of a dominant frequency, a peak in the FFT data is observed corresponding to a low standard deviation. For further analysis, the absolute value of the difference between both sides is calculated to give information about monitored laterality.
	F2	MaxDistance	Excision of 5 percent most extreme values	Feature F2 <i>MaxDistance</i> calculates the maximal distance for each drawn spiral to the given spiral.
	F3	MeanDistance	Excision of 5 percent most extreme values	Feature F3 <i>MeanDistance</i> calculates the mean distance for each drawn spiral to the given spiral.
	F4	StDevDistance	None	Feature F4 <i>StDevDistance</i> calculates the standard deviation of the distance for each drawn spiral to the given spiral.
	F5	ChangeOfRadiusDirection	Excision of first and last 10 percent	Feature F5 <i>ChangeOfRadiusDirection</i> counts the times the radius goes from increasing to decreasing and the other way around.
	F6	ChangeOfDirectionX	Excision of first and last 10 percent	Feature F6 <i>ChangeOfDirectionX</i> counts the times the trend in the x-axis goes from increasing to decreasing and the other way around.
	F7	ChangeOfDirectionY	Excision of first and last 10 percent	Feature F7 <i>ChangeOfDirectionY</i> counts the times the trend in the y-axis goes from increasing to decreasing and the other way around.
Force feature	F8	MeanForce	Excision of 5 percent most extreme values	F8 <i>MeanForce</i> is the value the mean of the corresponding force timeseries.
	F9	StDevForce	None	F9 <i>StDevForce</i> is the value of the standard deviation of the corresponding force timeseries.
	F10	MedianForce	None	F10 <i>MedianForce</i> is the value of the median of the corresponding force timeseries.
Time feature	F11	TimeOfDrawing	None	F11 <i>TimeOfDrawing</i> discloses the total drawing time.
	F12	MeanVelocity	Excision of 5 percent most extreme values	F12 <i>MeanVelocity</i> gives information about the mean drawing velocity.
	F13	StDevVelocity	Excision of 5 percent most extreme values	F13 <i>StdDevVelocity</i> is the standard deviation of the drawing velocity time series.