CODEBOOK- SUBSET OF HUMAN ACTIVITY RECOGNITION USING SMARTPHONES DATASET VERSION 1.0

SUBJECT 2

The person who participated in the study

1 to 30

ACTIVITY 1

The activity performed by the subject during the study

1 to 6

ACTIVITY DESCRIPTION 15

1 .WALKING

2. WALKING\_UPSTAIRS

3. WALKING\_DOWNSTAIRS

4. SITTING

5. STANDING

6. LAYING

TIMEBODYACCELEROMETERMEANX 20

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A measurement derived from the smartphone.

A “time” prefix denotes that the measure is of time

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A “magnitude” text denotes whether a measurement of magnitude was calculated from the measurements

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TIMEBODYGYROSCOPEJERKMAGNITUDEMEAN 20

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FREQUENCYBODYACCELEROMETERMEANX 20

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FREQUENCYBODYACCELEROMETERMEANY 20

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FREQUENCYBODYACCELEROMETERMEANZ 20

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FREQUENCYBODYACCELEROMETERSTDX 20

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FREQUENCYBODYACCELEROMETERSTDY 20

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FREQUENCYBODYACCELEROMETERMEANFREQY 20

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FREQUENCYBODYACCELEROMETERJERKMEANX 20

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FREQUENCYBODYACCELEROMETERJERKMEANY 20

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FREQUENCYBODYACCELEROMETERJERKSTDX 20

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FREQUENCYBODYACCELEROMETERJERKSTDY 20

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FREQUENCYBODYACCELEROMETERJERKSTDZ 20

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FREQUENCYBODYACCELEROMETERJERKMEANFREQX 20

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FREQUENCYBODYGYROSCOPEMEANX 20

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FREQUENCYBODYGYROSCOPEMEANY 20

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FREQUENCYBODYGYROSCOPESTDX 20

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FREQUENCYBODYGYROSCOPESTDY 20

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FREQUENCYBODYACCELEROMETERMAGNITUDEMEAN 20

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A “mean” text denotes that the measurement was a mean

A “std” text denotes that the measurement was a standard deviation

An “xyz” is used to denote the x, y and z directions

FREQUENCYBODYBODYGYROSCOPEJERKMAGNITUDEMEAN 20

A measurement derived from the smartphone.

A “time” prefix denotes that the measure is of time

A “frequency” prefix denotes that the measurement is of frequency

A “body” text denotes that the measurement is of body acceleration

A “gravity” text denotes that the measurement is of gravity acceleration

An “accelerometer” text denotes that the measurement was taken from the accelerometer

A “gyroscope” text denotes that the measurement was taken from the gyroscope

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