CODE BOOK for “dataset2.txt”

Subjects - Unique identifier assigned to each subject (1..30)

Activities – Activity performed by the subject:

There are 6 activities:

walking

walking.upstairs

walking.downstairs

sitting

standing

laying

TimeBodyAccMeanX - The time domain signal of the body acceleration mean value in the x-axis (0.22159824394..0.3014610196)

TimeBodyAccMeanY - The time domain signal of the body acceleration mean value in the y-axis

(-0.0405139534294..-0.00130828765170213)

TimeBodyAccMeanZ - The time domain signal of the body acceleration mean value in the z-axis

(-0.152513899520833..-0.07537846886)

TimeBodyAccStdX - The time domain signal of the body acceleration standard deviation in the x-axis

(-0.996068635384615..0.626917070512821)

TimeBodyAccStdY - The time domain signal of the body acceleration standard deviation in the y-axis

(-0.990240946666667..0.616937015333333)

TimeBodyAccStdZ - The time domain signal of the body acceleration standard deviation in the z-axis

(-0.987658662307692..0.609017879074074)

TimeGravityAccMeanX - The time domain signal of the gravity acceleration mean value in the x-axis

(-0.680043155060241..0.974508732)

TimeGravityAccMeanY - The time domain signal of the gravity acceleration mean value in the y-axis

(-0.479894842941176..0.956593814210526)

TimeGravityAccMeanZ - The time domain signal of the gravity acceleration mean value in the z-axis

(-0.49508872037037..0.9578730416)

TimeGravityAccStdX - The time domain signal of the gravity acceleration standard deviation in the x-axis

(-0.996764227384615..-0.829554947808219)

TimeGravityAccStdY - The time domain signal of the gravity acceleration, standard deviation in the y-axis

(-0.99424764884058..-0.643578361424658)

TimeGravityAccStdZ - The time domain signal of the gravity acceleration, standard deviation in the z-axis

(-0.990957249538462..-0.610161166287671)

TimeBodyAccJerkMeanX - The time domain signal of body linear acceleration jerk signal, mean value in the x-axis

(0.0426880986186441..0.130193043809524)

TimeBodyAccJerkMeanY - The time domain signal of body linear acceleration jerk signal mean value in the y-axis

(-0.0386872111282051..0.056818586275)

TimeBodyAccJerkMeanZ - The time domain signal of body linear acceleration jerk signal, mean value in the z-axis

(-0.0674583919268293..0.0380533591627451)

TimeBodyAccJerkStdX - The time domain signal of body linear acceleration jerk signal, standard deviation in the x-axis

(-0.994604542264151..0.544273037307692)

TimeBodyAccJerkStdY - The time domain signal of body linear acceleration jerk signal, standard deviation in the y-axis

(-0.989513565652174..0.355306716915385)

TimeBodyAccJerkStdZ - The time domain signal of body linear acceleration jerk signal, standard deviation in the z-axis

(-0.993288313333333..0.0310157077775926)

TimeBodyGyroMeanX - The time domain signal of body angular velocity mean value in the x-axis

(-0.205775427307692..0.19270447595122)

TimeBodyGyroMeanY - The time domain signal of body angular velocity mean value in the y-axis

(-0.204205356087805..0.0274707556666667)

TimeBodyGyroMeanZ - The time domain signal of body angular velocity mean value in the z-axis

(-0.0724546025804878..0.179102058245614)

TimeBodyGyroStdX - The time domain signal of body angular velocity standard deviation in the x-axis

(-0.994276591304348..0.267657219333333)

TimeBodyGyroStdY - The time domain signal of body angular velocity standard deviation in the y-axis

(-0.994210471914894..0.476518714444444)

TimeBodyGyroStdZ - The time domain signal of body angular velocity standard deviation in the z-axis

(-0.985538363333333..0.564875818162963)

TimeBodyGyroJerkMeanX - The time domain signal of body angular velocity jerk signal, mean value in the x-axis

(-0.157212539189362..-0.0220916265065217)

TimeBodyGyroJerkMeanY - The time domain signal of body angular velocity jerk signal, mean value in the y-axis  
(-0.0768089915604167..-0.0132022768074468)

TimeBodyGyroJerkMeanZ - The time domain signal of body angular velocity jerk signal, mean value in the z-axis

(-0.0924998531372549..-0.00694066389361702)

TimeBodyGyroJerkStdX - The time domain signal of body angular velocity jerk signal, standard deviation in the x-axis

(-0.99654254057971..0.179148649684615)

TimeBodyGyroJerkStdY - The time domain signal of body angular velocity jerk signal, standard deviation in the y-axis

(-0.997081575652174..0.295945926186441)

TimeBodyGyroJerkStdZ - The time domain signal of body angular velocity jerk signal, standard deviation in the z-axis

(-0.995380794637681..0.193206498960417)

TimeBodyAccMagMean - The time domain signal of the body acceleration magnitude, mean value

(-0.986493196666667..0.644604325128205)

TimeBodyAccMagStd - The time domain signal of the body acceleration magnitude, standard deviation

(-0.986464542615385..0.428405922622222)

TimeGravityAccMagMean - The time domain signal of the gravity acceleration magnitude, mean value

(-0.986493196666667..0.644604325128205)

TimeGravityAccMagStd - The time domain signal of the gravity acceleration magnitude, standard deviation

(-0.986464542615385..0.428405922622222)

TimeBodyAccJerkMagMean - The time domain signal of body linear acceleration jerk signal magnitude, mean value

(-0.99281471515625..0.434490400974359)

TimeBodyAccJerkMagStd - The time domain signal of body linear acceleration jerk signal magnitude, standard deviation

(-0.994646916811594..0.450612065720513)

TimeBodyGyroMagMean -The time domain signal of body angular velocity magnitude, mean value

(-0.980740846769231..0.418004608615385)

TimeBodyGyroMagStd - The time domain signal of body angular velocity magnitude, standard deviation

(-0.981372675614035..0.299975979851852)

TimeBodyGyroJerkMagMean - The time domain signal of body angular velocity jerk signal magnitude, mean value

(-0.997322526811594..0.0875816618205128)

TimeBodyGyroJerkMagStd - The time domain signal of body angular velocity jerk signal magnitude, standard deviation

(-0.997666071594203..0.250173204117966)

FrequencyBodyAccMeanX - The frequency domain signal of the body acceleration mean value in the x-axis

(-0.995249932641509..0.537012022051282)

FrequencyBodyAccMeanY - The frequency domain signal of the body acceleration mean value in the y-axis

(-0.989034304057971..0.524187686888889)

FrequencyBodyAccMeanZ - The frequency domain signal of the body acceleration mean value in the z-axis

(-0.989473926666667..0.280735952206667)

FrequencyBodyAccStdX - The frequency domain signal of the body acceleration standard deviation in the x-axis

(-0.996604570307692..0.658506543333333)

FrequencyBodyAccStdY - The frequency domain signal of the body acceleration standard deviation in the y-axis

(-0.990680395362319..0.560191344)

FrequencyBodyAccStdZ - The frequency domain signal of the body acceleration standard deviation in the z-axis

(-0.987224804307692..0.687124163703704)

FrequencyBodyAccMeanFreqX - The frequency domain signal of the body acceleration mean frequency in the x-axis

(-0.635913046346154..0.159123629063636)

FrequencyBodyAccMeanFreqY - The frequency domain signal of the body acceleration mean frequency in the y-axis

(-0.379518455061538..0.466528231788462)

FrequencyBodyAccMeanFreqZ - The frequency domain signal of the body acceleration mean frequency in the z-axis

(-0.520114793584906..0.402532553395833)

FrequencyBodyAccJerkMeanX - The frequency domain signal of body linear acceleration jerk signal, mean value in the x-axis

(-0.994630797358491..0.474317256051282)

FrequencyBodyAccJerkMeanY - The frequency domain signal of body linear acceleration jerk signal, mean value in the y-axis

(-0.989398823913043..0.276716853307692)

FrequencyBodyAccJerkMeanZ - The frequency domain signal of body linear acceleration jerk signal, mean value in the z-axis

(-0.992018447826087..0.157775692377778)

FrequencyBodyAccJerkStdX - The frequency domain signal of body linear acceleration jerk signal, standard deviation in the x-axis

(-0.995073759245283..0.476803887476923)

FrequencyBodyAccJerkStdY - The frequency domain signal of body linear acceleration jerk signal, standard deviation in the y-axis

(-0.990468082753623..0.349771285415897)

FrequencyBodyAccJerkStdZ - The frequency domain signal of body linear acceleration jerk signal, standard deviation in the z-axis

(-0.993107759855072..-0.00623647528983051)

FrequencyBodyAccJerkMeanFreqX - The frequency domain signal of body linear acceleration jerk signal, mean value of frequency in the x-axis

(-0.576044001875..0.331449281481482)

FrequencyBodyAccJerkMeanFreqY - The frequency domain signal of body linear acceleration jerk signal mean value of frequency in the y-axis

(-0.601971415384615..0.195677336307692)

FrequencyBodyAccJerkMeanFreqZ - The frequency domain signal of body linear acceleration jerk signalMeanfrequencyZ

(-0.62755547372549..0.230107945944444)

FrequencyBodyGyroMeanX - The frequency domain signal of body angular velocity mean value in the x-axis

(-0.99312260884058..0.474962448333333)

FrequencyBodyGyroMeanY - The frequency domain signal of body angular velocity mean value in the y-axis

(-0.994025488297872..0.328817010088889)

FrequencyBodyGyroMeanZ - The frequency domain signal of body angular velocity mean value in the z-axis

(-0.985957788..0.492414379822222)

FrequencyBodyGyroStdX - The frequency domain signal of body angular velocity standard deviation in the x-axis

(-0.994652185217391..0.196613286661538)

FrequencyBodyGyroStdY - The frequency domain signal of body angular velocity standard deviation in the y-axis

(-0.994353086595745..0.646233637037037)

FrequencyBodyGyroStdZ - The frequency domain signal of body angular velocity standard deviation in the z-axis

(-0.986725274871795..0.522454216314815)

FrequencyBodyGyroMeanFreqX - The frequency domain signal of body angular velocity mean frequency in the x-axis

(-0.395770150677419..0.249209411510602)

FrequencyBodyGyroMeanFreqY - The frequency domain signal of body angular velocity mean frequency in the y-axis

(-0.666814815306122..0.273141323315789)

FrequencyBodyGyroMeanFreqZ - The frequency domain signal of body angular velocity mean frequency in the z-axis

(-0.507490866734694..0.3770740968)

FrequencyBodyAccMagMean - The frequency domain signal of the body acceleration magnitude mean value

(-0.986800645362319..0.586637550769231)

FrequencyBodyAccMagStd - The frequency domain signal of the body acceleration magnitude, standard deviation

(-0.987648484461539..0.178684580868889)

FrequencyBodyAccMagMeanFreq - The frequency domain signal of the body acceleration magnitude, mean frequency

(-0.312338030213846..0.435846931652174)

FrequencyBodyAccJerkMagMean - The frequency domain signal of body linear acceleration jerk signal magnitude, mean value

(-0.993998275797101..0.538404846128205)

FrequencyBodyAccJerkMagStd - The frequency domain signal of body linear acceleration jerk signal magnitude, standard deviation

(-0.994366667681159..0.316346415348718)

FrequencyBodyAccJerkMagMeanFreq - The frequency domain signal of body linear acceleration jerk signal magnitude mean frequency

(-0.125210388757581..0.488088499666667)

FrequencyBodyGyroMagMean - The frequency domain signal of body angular velocity magnitude, mean value

(-0.986535242105263..0.203979764835897)

FrequencyBodyGyroMagStd - The frequency domain signal of body angular velocity magnitude, standard deviation

(-0.981468841692308..0.236659662496296)

FrequencyBodyGyroMagMeanFreq - The frequency domain signal of body angular velocity magnitude, mean frequency

(-0.456638670923077..0.409521611525424)

FrequencyBodyGyroJerkMagMean -The frequency domain signal of body angular velocity jerk signal magnitude, mean value

(-0.997617389275362..0.146618569064407)

FrequencyBodyGyroJerkMagStd - The frequency domain signal of body angular velocity jerk signal magnitude, standard deviation

(-0.99758523057971..0.287834616098305)

FrequencyBodyGyroJerkMagMeanFreq - The frequency domain signal of body angular velocity jerk signal magnitude mean frequency

(-0.182923596577778..0.426301679855072)