Getting and Cleaning Data Project Codebook

subject-activity

Activity of the subject i

There are 30 subjects and 6 activities, so subject-activity has 180 different values

Takes value in [-1;1]

tBodyAcc-mean()-X

Mean value of the x-component of the body acceleration signal (normalized)

Takes value in [-1;1]

tBodyAcc-mean()-Y

Mean value of the y-component of the body acceleration signal (normalized)

Takes value in [-1;1]

tBodyAcc-mean()-Z

Mean value of the z-component of the body acceleration signal (normalized)

Takes value in [-1;1]

tBodyAcc-std()-X

Standard deviation of the x-component of the body acceleration signal (normalized)

Takes value in [-1;1]

tBodyAcc-std()-Y

Standard deviation of the y-component of the body acceleration signal (normalized)

Takes value in [-1;1]

tBodyAcc-std()-Z

Standard deviation of the z-component of the body acceleration signal (normalized)

Takes value in [-1;1]

tGravityAcc-mean()-X

Mean value of the x-component of the gravitational acceleration signal (normalized)

Takes value in [-1;1]

tGravityAcc-mean()-Y

Mean value of the y-component of the gravitational acceleration signal (normalized)

Takes value in [-1;1]

tGravityAcc-mean()-Z

Mean value of the z-component of the gravitational acceleration signal (normalized)

Takes value in [-1;1]

tGravityAcc-std()-X

Standard deviation of the x-component of the gravitational acceleration signal (normalized)

Takes value in [-1;1]

tGravityAcc-std()-Y

Standard deviation of the y-component of the gravitational acceleration signal (normalized)

Takes value in [-1;1]

tGravityAcc-std()-Z

Standard deviation of the z-component of the gravitational acceleration signal (normalized)

Takes value in [-1;1]

tBodyAccJerk-mean()-X

Mean value of the x-component of the derivative of the body acceleration signal (normalized), called jerk

Takes value in [-1;1]

tBodyAccJerk-mean()-Y

Mean value of the y-component of the derivative of the body acceleration signal (normalized), called jerk

Takes value in [-1;1]

tBodyAccJerk-mean()-Z

Mean value of the z-component of the derivative of the body acceleration signal (normalized), called jerk

Takes value in [-1;1]

tBodyAccJerk-std()-X

Standard deviation of the x-component of the derivative of the body acceleration signal (normalized), called jerk

Takes value in [-1;1]

tBodyAccJerk-std()-Y

Standard deviation of the y-component of the derivative of the body acceleration signal (normalized), called jerk

Takes value in [-1;1]

tBodyAccJerk-std()-Z

Standard deviation of the z-component of the derivative of the body acceleration signal (normalized), called jerk

Takes value in [-1;1]

tBodyGyro-mean()-X

Mean value of the x-component of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyro-mean()-Y

Mean value of the y-component of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyro-mean()-Z

Mean value of the y-component of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyro-std()-X

Standard deviation of the x-component of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyro-std()-Y

Standard deviation of the y-component of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyro-std()-Z

Standard deviation of the z-component of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyroJerk-mean()-X

Mean value of the x-component of the derivative of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyroJerk-mean()-Y

Mean value of the y-component of the derivative of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyroJerk-mean()-Z

Mean value of the z-component of the derivative of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyroJerk-std()-X

Standard deviation of the x-component of the derivative of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyroJerk-std()-Y

Standard deviation of the y-component of the derivative of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyroJerk-std()-Z

Standard deviation of the z-component of the derivative of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyAccMag-mean()

Mean value of the euclidean norm of the body acceleration signal (normalized)

Takes value in [-1;1]

tBodyAccMag-std()

Standard deviation of the euclidean norm of the body acceleration signal (normalized)

Takes value in [-1;1]

tGravityAccMag-mean()

Mean value of the euclidean norm of the gravitational acceleration signal (normalized)

Takes value in [-1;1]

tGravityAccMag-std()

Standard deviation of the euclidean norm of the gravitational acceleration signal (normalized)

Takes value in [-1;1]

tBodyAccJerkMag-mean()

Mean value of the euclidean norm of the derivative of the body acceleration signal (normalized)

Takes value in [-1;1]

tBodyAccJerkMag-std()

Standard deviation of the euclidean norm of the derivative of the body acceleration signal (normalized)

Takes value in [-1;1]

tBodyGyroMag-mean()

Mean value of the euclidean norm of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyroMag-std()

Standard deviation of the euclidean norm of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyroJerkMag-mean()

Mean value of the euclidean norm of the derivative of the body angular velocity signal (normalized)

Takes value in [-1;1]

tBodyGyroJerkMag-std()

Mean value of the euclidean norm of the derivative of the body angular velocity signal (normalized)

Takes value in [-1;1]

fBodyAcc-mean()-X

Mean value of the x-component of the fast Fourier transform of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAcc-mean()-Y

Mean value of the y-component of the fast Fourier transform of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAcc-mean()-Z

Mean value of the z-component of the fast Fourier transform of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAcc-std()-X

Standard deviation of the x-component of the fast Fourier transform of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAcc-std()-Y

Standard deviation of the y-component of the fast Fourier transform of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAcc-std()-Z

Standard deviation of the z-component of the fast Fourier transform of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAccJerk-mean()-X

Mean value of the x-component of the fast Fourier transform of the derivative of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAccJerk-mean()-Y

Mean value of the y-component of the fast Fourier transform of the derivative of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAccJerk-mean()-Z

Mean value of the z-component of the fast Fourier transform of the derivative of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAccJerk-std()-X

Standard deviation of the x-component of the fast Fourier transform of the derivative of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAccJerk-std()-Y

Standard deviation of the y-component of the fast Fourier transform of the derivative of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAccJerk-std()-Z

Standard deviation of the z-component of the fast Fourier transform of the derivative of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyGyro-mean()-X

Mean value of the x-component of the fast Fourier transform of the body angular velocity signal (normalized)

Takes value in [-1;1]

fBodyGyro-mean()-Y

Mean value of the y-component of the fast Fourier transform of the body angular velocity signal (normalized)

Takes value in [-1;1]

fBodyGyro-mean()-Z

Mean value of the z-component of the fast Fourier transform of the body angular velocity signal (normalized)

Takes value in [-1;1]

fBodyGyro-std()-X

Standard deviation of the x-component of the fast Fourier transform of the body angular velocity signal (normalized)

Takes value in [-1;1]

fBodyGyro-std()-Y

Standard deviation of the y-component of the fast Fourier transform of the body angular velocity signal (normalized)

Takes value in [-1;1]

fBodyGyro-std()-Z

Standard deviation of the z-component of the fast Fourier transform of the body angular velocity signal (normalized)

Takes value in [-1;1]

fBodyAccMag-mean()

Mean value of the euclidean norm of the fast Fourier transform of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyAccMag-std()

Standard deviation of the euclidean norm of the fast Fourier transform of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyBodyAccJerkMag-mean()

Mean value of the euclidean norm of the fast Fourier transform of the derivative of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyBodyAccJerkMag-std()

Standard deviation of the euclidean norm of the fast Fourier transform of the derivative of the body acceleration signal (normalized)

Takes value in [-1;1]

fBodyBodyGyroMag-mean()

Mean value of the euclidean norm of the fast Fourier transform of the body angular velocity signal (normalized)

Takes value in [-1;1]

fBodyBodyGyroMag-std()

Standard deviation of the euclidean norm of the fast Fourier transform of the body angular velocity signal (normalized)

Takes value in [-1;1]

fBodyBodyGyroJerkMag-mean()

Mean value of the euclidean norm of the fast Fourier transform of the body angular velocity signal (normalized)

Takes value in [-1;1]

fBodyBodyGyroJerkMag-std()

Standard deviation of the euclidean of the fast Fourier transform of the body angular velocity signal (normalized)

Takes value in [-1;1]