

HUMAN ACTIVITY RECOGNITION CODE BOOK (USING SMARTPHONES DATA SET)

Variable Name	Type	Description	Sample
tbodyaccmeanx	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodyaccmeany	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodyaccmeanz	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodyaccstdx	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodyaccstdy	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodyaccstdz	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tgravityaccmeanx	Numeric	Mean value of time domain in x direction	0.277330758736842
tgravityaccmeany	Numeric	Mean value of time domain in x direction	0.277330758736842
tgravityaccmeanz	Numeric	Mean value of time domain in x direction	0.277330758736842
tgravityaccstdx	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tgravityaccstdy	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tgravityaccstdz	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodyaccjerkmeanx	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodyaccjerkmeany	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodyaccjerkmeanz	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodyaccjerkstdx	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodyaccjerkstdy	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodyaccjerkstdz	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodygyromeanx	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodygyromeany	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodygyromeanz	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodygyrostdx	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodygyrostdy	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodygyrostdz	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodygyrojerkmeanx	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodygyrojerkmeany	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodygyrojerkmeanz	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodygyrojerkstdx	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodygyrojerkstdy	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodygyrojerkstdz	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodyaccmagmean	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodyaccmagstd	Numeric	Mean value of time domain in x direction	0.277330758736842
tgravityaccmagmean	Numeric	Mean value of time domain in x direction	0.277330758736842
tgravityaccmagstd	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodyaccjerkmagmean	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
tbodyaccjerkmagstd	Numeric	Standard Deviation of time domain in x direction	0.277330758736842

tbodygyromagmean	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodygyromagstd	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodygyrojerkmagmean	Numeric	Mean value of time domain in x direction	0.277330758736842
tbodygyrojerkmagstd	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccmeanx	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccmeany	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccmeanz	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
fbodyaccstdx	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
fbodyaccstdy	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
fbodyaccstdz	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccmeanfreqx	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccmeanfreqy	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccmeanfreqz	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccjerkmeanx	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccjerkmeany	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccjerkmeanz	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccjerkstdx	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
fbodyaccjerkstdy	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
fbodyaccjerkstdz	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
fbodyaccjerkmeanfreqx	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccjerkmeanfreqy	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccjerkmeanfreqz	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodygyromeanx	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodygyromeany	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodygyromeanz	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodygyrostdx	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
fbodygyrostdy	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
fbodygyrostdz	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
fbodygyromeanfreqx	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodygyromeanfreqy	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodygyromeanfreqz	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccmagmean	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodyaccmagstd	Numeric	Standard Deviation of time domain in x direction	0.277330758736842
fbodyaccmagmeanfreq	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodybodyaccjerkmagmean	Numeric	Mean value of time domain in x direction	0.277330758736842
		Mean value of time domain in x direction	
fbodybodyaccjerkmagstd	Numeric	Mean value of time domain in x direction	0.277330758736842

fbodybodyaccjerkmagmeanfreq	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodybodygyromagmean	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodybodygyromagstd	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodybodygyromagmeanfreq	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodybodygyrojerkmagmean	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodybodygyrojerkmagstd	Numeric	Mean value of time domain in x direction	0.277330758736842
fbodybodygyrojerkmagmeanfreq	Numeric	Mean value of time domain in x direction	0.277330758736842
angle(tbodyaccmean,gravity)	Numeric	Mean value of time domain in x direction	0.277330758736842
angle(tbodyaccjerkmean)	Numeric	Mean value of time domain in x direction	0.277330758736842
angle(tbodygyrojerkmean,gravitymean)	Numeric	Mean value of time domain in x direction	0.277330758736842
angle(x,gravitymean)	Numeric	Mean value of time domain in x direction	0.277330758736842
angle(y,gravitymean)	Numeric	Mean value of time domain in x direction	0.277330758736842
angle(z,gravitymean)	Numeric	Mean value of time domain in x direction	0.277330758736842
subject	Numeric	Traing Subject And Test Subject	1 to 30
activity	Character	1 WALKING 2 WALKING_UPSTAIRS 3 WALKING_DOWNSTAIRS 4 SITTING 5 STANDING 6 LAYING	WALKING