Variable	Descr	Range
activity	Activity type subject was performing	1..6
subject.id	ID number of subject	1..30
tBodyAcc-mean()-X	x-axis body acceleration (mean)	
tBodyAcc-mean()-Y	y-axis body acceleration (mean)	
tBodyAcc-mean()-Z	z-axis body acceleration (mean)	
tBodyAcc-std()-X	x-axis body acceleration (std)	
tBodyAcc-std()-Y	y-axis body acceleration (std)	
tBodyAcc-std()-Z	z-axis body acceleration (std)	
tBodyAcc-mad()-X	x-axis body acceleration (median absolute deviation)	
tBodyAcc-mad()-Y	y-axis body acceleration (median absolute deviation)	
tBodyAcc-mad()-Z	z-axis body acceleration (median absolute deviation)	
tBodyAcc-max()-X	x-axis body acceleration (max)	
tBodyAcc-max()-Y	y-axis body acceleration (max)	
tBodyAcc-max()-Z	z-axis body acceleration (max)	
tBodyAcc-min()-X	x-axis body acceleration (min)	
tBodyAcc-min()-Y	y-axis body acceleration (min)	
tBodyAcc-min()-Z	z-axis body acceleration (min)	
tBodyAcc-sma()	body acceleration (signal magnitude area)	
tBodyAcc-energy()-X	x-axis body acceleration (energy measure)	
tBodyAcc-energy()-Y	y-axis body acceleration (energy measure)	
tBodyAcc-energy()-Z	z-axis body acceleration (energy measure)	
tBodyAcc-iqr()-X	x-axis body acceleration (interquartile range)	
tBodyAcc-iqr()-Y	y-axis body acceleration (interquartile range)	
tBodyAcc-iqr()-Z	z-axis body acceleration (interquartile range)	
tBodyAcc-entropy()-X	x-axis body acceleration (signal entropy)	
tBodyAcc-entropy()-Y	y-axis body acceleration (signal entropy)	
tBodyAcc-entropy()-Z	z-axis body acceleration (signal entropy)	
tBodyAcc-arCoeff()-X,1	x-axis body acceleration (autoregression coefficient 1)	
tBodyAcc-arCoeff()-X,2	x-axis body acceleration (autoregression coefficient 2)	
tBodyAcc-arCoeff()-X,3	x-axis body acceleration (autoregression coefficient 3)	
tBodyAcc-arCoeff()-X,4	x-axis body acceleration (autoregression coefficient 4)	
tBodyAcc-arCoeff()-Y,1	y-axis body acceleration (autoregression coefficient 1)	
tBodyAcc-arCoeff()-Y,2	y-axis body acceleration (autoregression coefficient 2)	

Variable	Descr	Range
tBodyAcc-arCoeff()-Y,3	y-axis body acceleration (autoregression coefficient 3)	
tBodyAcc-arCoeff()-Y,4	y-axis body acceleration (autoregression coefficient 4)	
tBodyAcc-arCoeff()-Z,1	z-axis body acceleration (autoregression coefficient 1)	
tBodyAcc-arCoeff()-Z,2	z-axis body acceleration (autoregression coefficient 2)	
tBodyAcc-arCoeff()-Z,3	z-axis body acceleration (autoregression coefficient 3)	
tBodyAcc-arCoeff()-Z,4	z-axis body acceleration (autoregression coefficient 4)	
tBodyAcc-correlation()-X,Y	x-y axis body acceleration (correlation)	
tBodyAcc-correlation()-X,Z	x-z axis body acceleration (correlation)	
tBodyAcc-correlation()-Y,Z	y-z axis body acceleration (correlation)	
tGravityAcc-mean()-X	x-axis gravity acceleration (mean)	
tGravityAcc-mean()-Y	y-axis gravity acceleration (mean)	
tGravityAcc-mean()-Z	z-axis gravity acceleration (mean)	
tGravityAcc-std()-X	x-axis gravity acceleration (std)	
tGravityAcc-std()-Y	y-axis gravity acceleration (std)	
tGravityAcc-std()-Z	z-axis gravity acceleration (std)	
tGravityAcc-mad()-X	x-axis gravity acceleration (median absolute deviation)	
tGravityAcc-mad()-Y	y-axis gravity acceleration (median absolute deviation)	
tGravityAcc-mad()-Z	z-axis gravity acceleration (median absolute deviation)	
tGravityAcc-max()-X	x-axis gravity acceleration (max)	
tGravityAcc-max()-Y	y-axis gravity acceleration (max)	
tGravityAcc-max()-Z	z-axis gravity acceleration (max)	
tGravityAcc-min()-X	x-axis gravity acceleration (min)	
tGravityAcc-min()-Y	y-axis gravity acceleration (min)	
tGravityAcc-min()-Z	z-axis gravity acceleration (min)	
tGravityAcc-sma()	body acceleration (signal magnitude area)	
tGravityAcc-energy()-X	x-axis gravity acceleration (energy measure)	
tGravityAcc-energy()-Y	y-axis gravity acceleration (energy measure)	
tGravityAcc-energy()-Z	z-axis gravity acceleration (energy measure)	
tGravityAcc-iqr()-X	x-axis gravity acceleration (interquartile range)	
tGravityAcc-iqr()-Y	y-axis gravity acceleration (interquartile range)	
tGravityAcc-iqr()-Z	z-axis gravity acceleration (interquartile range)	

Variable	Descr	Range
tGravityAcc-entropy()-X	x-axis gravity acceleration (signal entropy)	
tGravityAcc-entropy()-Y	y-axis gravity acceleration (signal entropy)	
tGravityAcc-entropy()-Z	z-axis gravity acceleration (signal entropy)	
tGravityAcc-arCoeff()-X,1	x-axis gravity acceleration (autoregression coefficient 1)	
tGravityAcc-arCoeff()-X,2	x-axis gravity acceleration (autoregression coefficient 2)	
tGravityAcc-arCoeff()-X,3	x-axis gravity acceleration (autoregression coefficient 3)	
tGravityAcc-arCoeff()-X,4	x-axis gravity acceleration (autoregression coefficient 4)	
tGravityAcc-arCoeff()-Y,1	y-axis gravity acceleration (autoregression coefficient 1)	
tGravityAcc-arCoeff()-Y,2	y-axis gravity acceleration (autoregression coefficient 2)	
tGravityAcc-arCoeff()-Y,3	y-axis gravity acceleration (autoregression coefficient 3)	
tGravityAcc-arCoeff()-Y,4	y-axis gravity acceleration (autoregression coefficient 4)	
tGravityAcc-arCoeff()-Z,1	z-axis gravity acceleration (autoregression coefficient 1)	
tGravityAcc-arCoeff()-Z,2	z-axis gravity acceleration (autoregression coefficient 2)	
tGravityAcc-arCoeff()-Z,3	z-axis gravity acceleration (autoregression coefficient 3)	
tGravityAcc-arCoeff()-Z,4	z-axis gravity acceleration (autoregression coefficient 4)	
tGravityAcc-correlation()-X,Y	x-y axis gravity acceleration (correlation)	
tGravityAcc-correlation()-X,Z	x-z axis gravity acceleration (correlation)	
tGravityAcc-correlation()-Y,Z	y-z axis gravity acceleration (correlation)	
tBodyAccJerk-mean()-X	x-axis body acceleration jerk (mean)	
tBodyAccJerk-mean()-Y	y-axis body acceleration jerk (mean)	
tBodyAccJerk-mean()-Z	z-axis body acceleration jerk (mean)	
tBodyAccJerk-std()-X	x-axis body acceleration jerk (std)	
tBodyAccJerk-std()-Y	y-axis body acceleration jerk (std)	
tBodyAccJerk-std()-Z	z-axis body acceleration jerk (std)	
tBodyAccJerk-mad()-X	x-axis body acceleration jerk (median absolute deviation)	
tBodyAccJerk-mad()-Y	y-axis body acceleration jerk (median absolute deviation)	
tBodyAccJerk-mad()-Z	z-axis body acceleration jerk (median absolute deviation)	
tBodyAccJerk-max()-X	x-axis body acceleration jerk (max)	
tBodyAccJerk-max()-Y	y-axis body acceleration jerk (max)	
tBodyAccJerk-max()-Z	z-axis body acceleration jerk (max)	
tBodyAccJerk-min()-X	x-axis body acceleration jerk (min)	

Variable	Descr	Range
tBodyAccJerk-min()-Y	y-axis body acceleration jerk (min)	
tBodyAccJerk-min()-Z	z-axis body acceleration jerk (min)	
tBodyAccJerk-sma()	body acceleration (signal magnitude area)	
tBodyAccJerk-energy()-X	x-axis body acceleration jerk (energy measure)	
tBodyAccJerk-energy()-Y	y-axis body acceleration jerk (energy measure)	
tBodyAccJerk-energy()-Z	z-axis body acceleration jerk (energy measure)	
tBodyAccJerk-iqr()-X	x-axis body acceleration jerk (interquartile range)	
tBodyAccJerk-iqr()-Y	y-axis body acceleration jerk (interquartile range)	
tBodyAccJerk-iqr()-Z	z-axis body acceleration jerk (interquartile range)	
tBodyAccJerk-entropy()-X	x-axis body acceleration jerk (signal entropy)	
tBodyAccJerk-entropy()-Y	y-axis body acceleration jerk (signal entropy)	
tBodyAccJerk-entropy()-Z	z-axis body acceleration jerk (signal entropy)	
tBodyAccJerk-arCoeff()-X,1	x-axis body acceleration jerk (autoregression coefficient 1)	
tBodyAccJerk-arCoeff()-X,2	x-axis body acceleration jerk (autoregression coefficient 2)	
tBodyAccJerk-arCoeff()-X,3	x-axis body acceleration jerk (autoregression coefficient 3)	
tBodyAccJerk-arCoeff()-X,4	x-axis body acceleration jerk (autoregression coefficient 4)	
tBodyAccJerk-arCoeff()-Y,1	y-axis body acceleration jerk (autoregression coefficient 1)	
tBodyAccJerk-arCoeff()-Y,2	y-axis body acceleration jerk (autoregression coefficient 2)	
tBodyAccJerk-arCoeff()-Y,3	y-axis body acceleration jerk (autoregression coefficient 3)	
tBodyAccJerk-arCoeff()-Y,4	y-axis body acceleration jerk (autoregression coefficient 4)	
tBodyAccJerk-arCoeff()-Z,1	z-axis body acceleration jerk (autoregression coefficient 1)	
tBodyAccJerk-arCoeff()-Z,2	z-axis body acceleration jerk (autoregression coefficient 2)	
tBodyAccJerk-arCoeff()-Z,3	z-axis body acceleration jerk (autoregression coefficient 3)	
tBodyAccJerk-arCoeff()-Z,4	z-axis body acceleration jerk (autoregression coefficient 4)	
tBodyAccJerk-correlation()-X,Y	x-y axis body acceleration jerk (correlation)	

Variable	Descr	Range
tBodyAccJerk-correlation()-X,Z	x-z axis body acceleration jerk (correlation)	
tBodyAccJerk-correlation()-Y,Z	y-z axis body acceleration jerk (correlation)	
tBodyGyro-mean()-X		
tBodyGyro-mean()-Y		
tBodyGyro-mean()-Z		
tBodyGyro-std()-X		
tBodyGyro-std()-Y		
tBodyGyro-std()-Z		
tBodyGyro-mad()-X		
tBodyGyro-mad()-Y		
tBodyGyro-mad()-Z		
tBodyGyro-max()-X		
tBodyGyro-max()-Y		
tBodyGyro-max()-Z		
tBodyGyro-min()-X		
tBodyGyro-min()-Y		
tBodyGyro-min()-Z		
tBodyGyro-sma()		
tBodyGyro-energy()-X		
tBodyGyro-energy()-Y		
tBodyGyro-energy()-Z		
tBodyGyro-iqr()-X		
tBodyGyro-iqr()-Y		
tBodyGyro-iqr()-Z		
tBodyGyro-entropy()-X		
tBodyGyro-entropy()-Y		
tBodyGyro-entropy()-Z		
tBodyGyro-arCoeff()-X,1		
tBodyGyro-arCoeff()-X,2		
tBodyGyro-arCoeff()-X,3		
tBodyGyro-arCoeff()-X,4		
tBodyGyro-arCoeff()-Y,1		
tBodyGyro-arCoeff()-Y,2		
tBodyGyro-arCoeff()-Y,3		
tBodyGyro-arCoeff()-Y,4		
tBodyGyro-arCoeff()-Z,1		
tBodyGyro-arCoeff()-Z,2		
tBodyGyro-arCoeff()-Z,3		
tBodyGyro-arCoeff()-Z,4		
tBodyGyro-correlation()-X,Y		
tBodyGyro-correlation()-X,Z		
tBodyGyro-correlation()-Y,Z		
tBodyGyroJerk-mean()-X		
tBodyGyroJerk-mean()-Y		
tBodyGyroJerk-mean()-Z		

Variable	Descr	Range
tBodyGyroJerk-std()-X		
tBodyGyroJerk-std()-Y		
tBodyGyroJerk-std()-Z		
tBodyGyroJerk-mad()-X		
tBodyGyroJerk-mad()-Y		
tBodyGyroJerk-mad()-Z		
tBodyGyroJerk-max()-X		
tBodyGyroJerk-max()-Y		
tBodyGyroJerk-max()-Z		
tBodyGyroJerk-min()-X		
tBodyGyroJerk-min()-Y		
tBodyGyroJerk-min()-Z		
tBodyGyroJerk-sma()		
tBodyGyroJerk-energy()-X		
tBodyGyroJerk-energy()-Y		
tBodyGyroJerk-energy()-Z		
tBodyGyroJerk-iqr()-X		
tBodyGyroJerk-iqr()-Y		
tBodyGyroJerk-iqr()-Z		
tBodyGyroJerk-entropy()-X		
tBodyGyroJerk-entropy()-Y		
tBodyGyroJerk-entropy()-Z		
tBodyGyroJerk-arCoeff()-X,1		
tBodyGyroJerk-arCoeff()-X,2		
tBodyGyroJerk-arCoeff()-X,3		
tBodyGyroJerk-arCoeff()-X,4		
tBodyGyroJerk-arCoeff()-Y,1		
tBodyGyroJerk-arCoeff()-Y,2		
tBodyGyroJerk-arCoeff()-Y,3		
tBodyGyroJerk-arCoeff()-Y,4		
tBodyGyroJerk-arCoeff()-Z,1		
tBodyGyroJerk-arCoeff()-Z,2		
tBodyGyroJerk-arCoeff()-Z,3		
tBodyGyroJerk-arCoeff()-Z,4		
tBodyGyroJerk-correlation()-X,Y		
tBodyGyroJerk-correlation()-X,Z		
tBodyGyroJerk-correlation()-Y,Z		
tBodyAccMag-mean()		
tBodyAccMag-std()		
tBodyAccMag-mad()		
tBodyAccMag-max()		
tBodyAccMag-min()		
tBodyAccMag-sma()		
tBodyAccMag-energy()		
tBodyAccMag-iqr()		

Variable	Descr	Range
tBodyAccMag-entropy()		
tBodyAccMag-arCoeff()1		
tBodyAccMag-arCoeff()2		
tBodyAccMag-arCoeff()3		
tBodyAccMag-arCoeff()4		
tGravityAccMag-mean()		
tGravityAccMag-std()		
tGravityAccMag-mad()		
tGravityAccMag-max()		
tGravityAccMag-min()		
tGravityAccMag-sma()		
tGravityAccMag-energy()		
tGravityAccMag-iqr()		
tGravityAccMag-entropy()		
tGravityAccMag-arCoeff()1		
tGravityAccMag-arCoeff()2		
tGravityAccMag-arCoeff()3		
tGravityAccMag-arCoeff()4		
tBodyAccJerkMag-mean()		
tBodyAccJerkMag-std()		
tBodyAccJerkMag-mad()		
tBodyAccJerkMag-max()		
tBodyAccJerkMag-min()		
tBodyAccJerkMag-sma()		
tBodyAccJerkMag-energy()		
tBodyAccJerkMag-iqr()		
tBodyAccJerkMag-entropy()		
tBodyAccJerkMag-arCoeff()1		
tBodyAccJerkMag-arCoeff()2		
tBodyAccJerkMag-arCoeff()3		
tBodyAccJerkMag-arCoeff()4		
tBodyGyroMag-mean()		
tBodyGyroMag-std()		
tBodyGyroMag-mad()		
tBodyGyroMag-max()		
tBodyGyroMag-min()		
tBodyGyroMag-sma()		
tBodyGyroMag-energy()		
tBodyGyroMag-iqr()		
tBodyGyroMag-entropy()		
tBodyGyroMag-arCoeff()1		
tBodyGyroMag-arCoeff()2		
tBodyGyroMag-arCoeff()3		
tBodyGyroMag-arCoeff()4		
tBodyGyroJerkMag-mean()		

Variable	Descr	Range
tBodyGyroJerkMag-std()		
tBodyGyroJerkMag-mad()		
tBodyGyroJerkMag-max()		
tBodyGyroJerkMag-min()		
tBodyGyroJerkMag-sma()		
tBodyGyroJerkMag-energy()		
tBodyGyroJerkMag-iqr()		
tBodyGyroJerkMag-entropy()		
tBodyGyroJerkMag-arCoeff()1		
tBodyGyroJerkMag-arCoeff()2		
tBodyGyroJerkMag-arCoeff()3		
tBodyGyroJerkMag-arCoeff()4		
fBodyAcc-mean()-X		
fBodyAcc-mean()-Y		
fBodyAcc-mean()-Z		
fBodyAcc-std()-X		
fBodyAcc-std()-Y		
fBodyAcc-std()-Z		
fBodyAcc-mad()-X		
fBodyAcc-mad()-Y		
fBodyAcc-mad()-Z		
fBodyAcc-max()-X		
fBodyAcc-max()-Y		
fBodyAcc-max()-Z		
fBodyAcc-min()-X		
fBodyAcc-min()-Y		
fBodyAcc-min()-Z		
fBodyAcc-sma()		
fBodyAcc-energy()-X		
fBodyAcc-energy()-Y		
fBodyAcc-energy()-Z		
fBodyAcc-iqr()-X		
fBodyAcc-iqr()-Y		
fBodyAcc-iqr()-Z		
fBodyAcc-entropy()-X		
fBodyAcc-entropy()-Y		
fBodyAcc-entropy()-Z		
fBodyAcc-maxInds-X		
fBodyAcc-maxInds-Y		
fBodyAcc-maxInds-Z		
fBodyAcc-meanFreq()-X		
fBodyAcc-meanFreq()-Y		
fBodyAcc-meanFreq()-Z		
fBodyAcc-skewness()-X		
fBodyAcc-kurtosis()-X		

Variable	Descr	Range
fBodyAcc-skewness()-Y		
fBodyAcc-kurtosis()-Y		
fBodyAcc-skewness()-Z		
fBodyAcc-kurtosis()-Z		
fBodyAcc-bandsEnergy()-1,8		
fBodyAcc-bandsEnergy()-9,16		
fBodyAcc-bandsEnergy()-17,24		
fBodyAcc-bandsEnergy()-25,32		
fBodyAcc-bandsEnergy()-33,40		
fBodyAcc-bandsEnergy()-41,48		
fBodyAcc-bandsEnergy()-49,56		
fBodyAcc-bandsEnergy()-57,64		
fBodyAcc-bandsEnergy()-1,16		
fBodyAcc-bandsEnergy()-17,32		
fBodyAcc-bandsEnergy()-33,48		
fBodyAcc-bandsEnergy()-49,64		
fBodyAcc-bandsEnergy()-1,24		
fBodyAcc-bandsEnergy()-25,48		
fBodyAcc-bandsEnergy()-1,8		
fBodyAcc-bandsEnergy()-9,16		
fBodyAcc-bandsEnergy()-17,24		
fBodyAcc-bandsEnergy()-25,32		
fBodyAcc-bandsEnergy()-33,40		
fBodyAcc-bandsEnergy()-41,48		
fBodyAcc-bandsEnergy()-49,56		
fBodyAcc-bandsEnergy()-57,64		
fBodyAcc-bandsEnergy()-1,16		
fBodyAcc-bandsEnergy()-17,32		
fBodyAcc-bandsEnergy()-33,48		
fBodyAcc-bandsEnergy()-49,64		
fBodyAcc-bandsEnergy()-1,24		
fBodyAcc-bandsEnergy()-25,48		
fBodyAcc-bandsEnergy()-1,8		
fBodyAcc-bandsEnergy()-9,16		
fBodyAcc-bandsEnergy()-17,24		
fBodyAcc-bandsEnergy()-25,32		
fBodyAcc-bandsEnergy()-33,40		
fBodyAcc-bandsEnergy()-41,48		
fBodyAcc-bandsEnergy()-49,56		
fBodyAcc-bandsEnergy()-57,64		
fBodyAcc-bandsEnergy()-1,16		
fBodyAcc-bandsEnergy()-17,32		
fBodyAcc-bandsEnergy()-33,48		
fBodyAcc-bandsEnergy()-49,64		
fBodyAcc-bandsEnergy()-1,24		

Variable	Descr	Range
fBodyAcc-bandsEnergy()-25,48		
fBodyAccJerk-mean()-X		
fBodyAccJerk-mean()-Y		
fBodyAccJerk-mean()-Z		
fBodyAccJerk-std()-X		
fBodyAccJerk-std()-Y		
fBodyAccJerk-std()-Z		
fBodyAccJerk-mad()-X		
fBodyAccJerk-mad()-Y		
fBodyAccJerk-mad()-Z		
fBodyAccJerk-max()-X		
fBodyAccJerk-max()-Y		
fBodyAccJerk-max()-Z		
fBodyAccJerk-min()-X		
fBodyAccJerk-min()-Y		
fBodyAccJerk-min()-Z		
fBodyAccJerk-sma()		
fBodyAccJerk-energy()-X		
fBodyAccJerk-energy()-Y		
fBodyAccJerk-energy()-Z		
fBodyAccJerk-iqr()-X		
fBodyAccJerk-iqr()-Y		
fBodyAccJerk-iqr()-Z		
fBodyAccJerk-entropy()-X		
fBodyAccJerk-entropy()-Y		
fBodyAccJerk-entropy()-Z		
fBodyAccJerk-maxInds-X		
fBodyAccJerk-maxInds-Y		
fBodyAccJerk-maxInds-Z		
fBodyAccJerk-meanFreq()-X		
fBodyAccJerk-meanFreq()-Y		
fBodyAccJerk-meanFreq()-Z		
fBodyAccJerk-skewness()-X		
fBodyAccJerk-kurtosis()-X		
fBodyAccJerk-skewness()-Y		
fBodyAccJerk-kurtosis()-Y		
fBodyAccJerk-skewness()-Z		
fBodyAccJerk-kurtosis()-Z		
fBodyAccJerk-bandsEnergy()-1,8		
fBodyAccJerk-bandsEnergy()-9,16		
fBodyAccJerk-bandsEnergy()-17,24		
fBodyAccJerk-bandsEnergy()-25,32		
fBodyAccJerk-bandsEnergy()-33,40		
fBodyAccJerk-bandsEnergy()-41,48		
fBodyAccJerk-bandsEnergy()-49,56		

Variable	Descr	Range
fBodyAccJerk-bandsEnergy()-57,64		
fBodyAccJerk-bandsEnergy()-1,16		
fBodyAccJerk-bandsEnergy()-17,32		
fBodyAccJerk-bandsEnergy()-33,48		
fBodyAccJerk-bandsEnergy()-49,64		
fBodyAccJerk-bandsEnergy()-1,24		
fBodyAccJerk-bandsEnergy()-25,48		
fBodyAccJerk-bandsEnergy()-1,8		
fBodyAccJerk-bandsEnergy()-9,16		
fBodyAccJerk-bandsEnergy()-17,24		
fBodyAccJerk-bandsEnergy()-25,32		
fBodyAccJerk-bandsEnergy()-33,40		
fBodyAccJerk-bandsEnergy()-41,48		
fBodyAccJerk-bandsEnergy()-49,56		
fBodyAccJerk-bandsEnergy()-57,64		
fBodyAccJerk-bandsEnergy()-1,16		
fBodyAccJerk-bandsEnergy()-17,32		
fBodyAccJerk-bandsEnergy()-33,48		
fBodyAccJerk-bandsEnergy()-49,64		
fBodyAccJerk-bandsEnergy()-1,24		
fBodyAccJerk-bandsEnergy()-25,48		
fBodyAccJerk-bandsEnergy()-1,8		
fBodyAccJerk-bandsEnergy()-9,16		
fBodyAccJerk-bandsEnergy()-17,24		
fBodyAccJerk-bandsEnergy()-25,32		
fBodyAccJerk-bandsEnergy()-33,40		
fBodyAccJerk-bandsEnergy()-41,48		
fBodyAccJerk-bandsEnergy()-49,56		
fBodyAccJerk-bandsEnergy()-57,64		
fBodyAccJerk-bandsEnergy()-1,16		
fBodyAccJerk-bandsEnergy()-17,32		
fBodyAccJerk-bandsEnergy()-33,48		
fBodyAccJerk-bandsEnergy()-49,64		
fBodyAccJerk-bandsEnergy()-1,24		
fBodyAccJerk-bandsEnergy()-25,48		
fBodyGyro-mean()-X		
fBodyGyro-mean()-Y		
fBodyGyro-mean()-Z		
fBodyGyro-std()-X		
fBodyGyro-std()-Y		
fBodyGyro-std()-Z		
fBodyGyro-mad()-X		
fBodyGyro-mad()-Y		
fBodyGyro-mad()-Z		
fBodyGyro-max()-X		

Variable	Descr	Range
fBodyGyro-max()-Y		
fBodyGyro-max()-Z		
fBodyGyro-min()-X		
fBodyGyro-min()-Y		
fBodyGyro-min()-Z		
fBodyGyro-sma()		
fBodyGyro-energy()-X		
fBodyGyro-energy()-Y		
fBodyGyro-energy()-Z		
fBodyGyro-iqr()-X		
fBodyGyro-iqr()-Y		
fBodyGyro-iqr()-Z		
fBodyGyro-entropy()-X		
fBodyGyro-entropy()-Y		
fBodyGyro-entropy()-Z		
fBodyGyro-maxInds-X		
fBodyGyro-maxInds-Y		
fBodyGyro-maxInds-Z		
fBodyGyro-meanFreq()-X		
fBodyGyro-meanFreq()-Y		
fBodyGyro-meanFreq()-Z		
fBodyGyro-skewness()-X		
fBodyGyro-kurtosis()-X		
fBodyGyro-skewness()-Y		
fBodyGyro-kurtosis()-Y		
fBodyGyro-skewness()-Z		
fBodyGyro-kurtosis()-Z		
fBodyGyro-bandsEnergy()-1,8		
fBodyGyro-bandsEnergy()-9,16		
fBodyGyro-bandsEnergy()-17,24		
fBodyGyro-bandsEnergy()-25,32		
fBodyGyro-bandsEnergy()-33,40		
fBodyGyro-bandsEnergy()-41,48		
fBodyGyro-bandsEnergy()-49,56		
fBodyGyro-bandsEnergy()-57,64		
fBodyGyro-bandsEnergy()-1,16		
fBodyGyro-bandsEnergy()-17,32		
fBodyGyro-bandsEnergy()-33,48		
fBodyGyro-bandsEnergy()-49,64		
fBodyGyro-bandsEnergy()-1,24		
fBodyGyro-bandsEnergy()-25,48		
fBodyGyro-bandsEnergy()-1,8		
fBodyGyro-bandsEnergy()-9,16		
fBodyGyro-bandsEnergy()-17,24		
fBodyGyro-bandsEnergy()-25,32		

Variable	Descr	Range
fBodyGyro-bandsEnergy()-33,40		
fBodyGyro-bandsEnergy()-41,48		
fBodyGyro-bandsEnergy()-49,56		
fBodyGyro-bandsEnergy()-57,64		
fBodyGyro-bandsEnergy()-1,16		
fBodyGyro-bandsEnergy()-17,32		
fBodyGyro-bandsEnergy()-33,48		
fBodyGyro-bandsEnergy()-49,64		
fBodyGyro-bandsEnergy()-1,24		
fBodyGyro-bandsEnergy()-25,48		
fBodyGyro-bandsEnergy()-1,8		
fBodyGyro-bandsEnergy()-9,16		
fBodyGyro-bandsEnergy()-17,24		
fBodyGyro-bandsEnergy()-25,32		
fBodyGyro-bandsEnergy()-33,40		
fBodyGyro-bandsEnergy()-41,48		
fBodyGyro-bandsEnergy()-49,56		
fBodyGyro-bandsEnergy()-57,64		
fBodyGyro-bandsEnergy()-1,16		
fBodyGyro-bandsEnergy()-17,32		
fBodyGyro-bandsEnergy()-33,48		
fBodyGyro-bandsEnergy()-49,64		
fBodyGyro-bandsEnergy()-1,24		
fBodyGyro-bandsEnergy()-25,48		
fBodyAccMag-mean()		
fBodyAccMag-std()		
fBodyAccMag-mad()		
fBodyAccMag-max()		
fBodyAccMag-min()		
fBodyAccMag-sma()		
fBodyAccMag-energy()		
fBodyAccMag-iqr()		
fBodyAccMag-entropy()		
fBodyAccMag-maxInds		
fBodyAccMag-meanFreq()		
fBodyAccMag-skewness()		
fBodyAccMag-kurtosis()		
fBodyBodyAccJerkMag-mean()		
fBodyBodyAccJerkMag-std()		
fBodyBodyAccJerkMag-mad()		
fBodyBodyAccJerkMag-max()		
fBodyBodyAccJerkMag-min()		
fBodyBodyAccJerkMag-sma()		
fBodyBodyAccJerkMag-energy()		
fBodyBodyAccJerkMag-iqr()		

Variable	Descr	Range
fBodyBodyAccJerkMag-entropy()		
fBodyBodyAccJerkMag-maxInds		
fBodyBodyAccJerkMag-meanFreq()		
fBodyBodyAccJerkMag-skewness()		
fBodyBodyAccJerkMag-kurtosis()		
fBodyBodyGyroMag-mean()		
fBodyBodyGyroMag-std()		
fBodyBodyGyroMag-mad()		
fBodyBodyGyroMag-max()		
fBodyBodyGyroMag-min()		
fBodyBodyGyroMag-sma()		
fBodyBodyGyroMag-energy()		
fBodyBodyGyroMag-iqr()		
fBodyBodyGyroMag-entropy()		
fBodyBodyGyroMag-maxInds		
fBodyBodyGyroMag-meanFreq()		
fBodyBodyGyroMag-skewness()		
fBodyBodyGyroMag-kurtosis()		
fBodyBodyGyroJerkMag-mean()		
fBodyBodyGyroJerkMag-std()		
fBodyBodyGyroJerkMag-mad()		
fBodyBodyGyroJerkMag-max()		
fBodyBodyGyroJerkMag-min()		
fBodyBodyGyroJerkMag-sma()		
fBodyBodyGyroJerkMag-energy()		
fBodyBodyGyroJerkMag-iqr()		
fBodyBodyGyroJerkMag-entropy()		
fBodyBodyGyroJerkMag-maxInds		
fBodyBodyGyroJerkMag-meanFreq()		
fBodyBodyGyroJerkMag-skewness()		
fBodyBodyGyroJerkMag-kurtosis()		
angle(tBodyAccMean,gravity)		
angle(tBodyAccJerkMean),gravityMean)		
angle(tBodyGyroMean,gravityMean)		
angle(tBodyGyroJerkMean,gravityMean)		
angle(X,gravityMean)		
angle(Y,gravityMean)		
angle(Z,gravityMean)		