CODE BOOK: Getting and Cleaning data course project.

VARIABLE NAME	VARIABLE TYPE	DESCRIPTION	RANGE	EXAMPLE(S)
SUBJECTNUMBER	Integer	The unique number of the experiment subject	[1,30]	1, 2, 3 ..
TBODYACCMEANX	Double-precision number	Average of the mean body acceleration in the X axis	[-1,1]	0.26569692058 2133
TBODYACCMEANY	Double-precision number	Average of the mean body acceleration in the Y axis	[-1,1]	0.26569692058 2133
TBODYACCMEANZ	Double-precision number	Average of the mean body acceleration in the Z axis	[-1,1]	0.26569692058 2133
TBODYACCSTDX	Double-precision number	Average of the standard deviation of body acceleration in the X axis	[-1,1]	0.26569692058 2133
TBODYACCSTDY	Double-precision number	Average of the standard deviation of body acceleration in the Y axis	[-1,1]	0.26569692058 2133
TBODYACCSTDZ	Double-precision number	Average of the standard deviation of body acceleration in the Z axis	[-1,1]	0.26569692058 2133
TGRAVITYACCMEANX	Double-precision number	Average mean gravity acceleration X axis	[-1,1]	0.26569692058 2133
TGRAVITYACCMEANY	Double-precision number	Average mean gravity acceleration Y axis	[-1,1]	0.26569692058 2133
TGRAVITYACCMEANZ	Double-precision number	Average mean gravity acceleration Z axis	[-1,1]	0.26569692058 2133
TGRAVITYACCSTDX	Double-precision number	Average standard deviation gravity acceleration X axis	[-1,1]	0.26569692058 2133
TGRAVITYACCSTDY	Double-precision number	Average standard deviation gravity acceleration Y axis	[-1,1]	0.26569692058 2133
TGRAVITYACCSTDZ	Double-precision number	Average standard deviation gravity acceleration Z axis	[-1,1]	0.26569692058 2133
TBODYACCJERKMEANX	Double-precision number	Average mean body jerk accelearation X axis	[-1,1]	0.26569692058 2133
TBODYACCJERKMEANY	Double-precision number	Average mean body jerk accelearation Y axis	[-1,1]	0.26569692058 2133

TBODYACCJERKMEANZ	Double-precision number	Average mean body jerk accelearation Z axis	[-1,1]	0.26569692058 2133
TBODYACCJERKSTDX	Double-precision number	Average standard deviation body jerk acceleration X axis	[-1,1]	0.26569692058 2133
TBODYACCJERKSTDY	Double-precision number	Average standard deviation body jerk acceleration Y axis	[-1,1]	0.26569692058 2133
TBODYACCJERKSTDZ	Double-precision number	Average standard deviation body jerk acceleration Z axis	[-1,1]	0.26569692058 2133
TBODYGYROMEANX	Double-precision number	Average mean body gyro X axis	[-1,1]	0.26569692058 2133
TBODYGYROMEANY	Double-precision number	Average mean body gyro Y axis	[-1,1]	0.26569692058 2133
TBODYGYROMEANZ	Double-precision number	Average mean body gyro Z axis	[-1,1]	0.26569692058 2133
TBODYGYROSTDX	Double-precision number	Average standard deviation body gyro X axis	[-1,1]	0.26569692058 2133
TBODYGYROSTDY	Double-precision number	Average standard deviation body gyro Y axis	[-1,1]	0.26569692058 2133
TBODYGYROSTDZ	Double-precision number	Average standard deviation body gyro Z axis	[-1,1]	0.26569692058 2133
TBODYGYROJERKMEANX	Double-precision number	Average mean body gyro jerk X axis	[-1,1]	0.26569692058 2133
TBODYGYROJERKMEANY	Double-precision number	Average mean body gyro jerk Y axis	[-1,1]	0.26569692058 2133
TBODYGYROJERKMEANZ	Double-precision number	Average mean body gyro jerk Z axis	[-1,1]	0.26569692058 2133
TBODYGYROJERKSTDX	Double-precision number	Average standard deviation body gyro jerk X axis	[-1,1]	0.26569692058 2133
TBODYGYROJERKSTDY	Double-precision number	Average standard deviation body gyro jerk Y axis	[-1,1]	0.26569692058 2133
TBODYGYROJERKSTDZ	Double-precision number	Average standard deviation body gyro jerk Z axis	[-1,1]	0.26569692058 2133
TBODYACCMAGMEAN	Double-precision number	Average mean body acceleration magnitude X axis	[-1,1]	0.26569692058 2133

TBODYACCMAGSTD	Double-precision number	Average mean body acceleration magnitude Y axis	[-1,1]	0.26569692058 2133
TGRAVITYACCMAGMEAN	Double-precision number	Average mean body acceleration magnitude Z axis	[-1,1]	0.26569692058 2133
TGRAVITYACCMAGSTD	Double-precision number	Average standard deviation body acceleration magnitude X axis	[-1,1]	0.26569692058 2133
TBODYACCJERKMAGMEAN	Double-precision number	Average standard deviation body acceleration magnitude Y axis	[-1,1]	0.26569692058 2133
TBODYACCJERKMAGSTD	Double-precision number	Average standard deviation body acceleration magnitude Z axis	[-1,1]	0.26569692058 2133
TBODYGYROMAGMEAN	Double-precision number	Average body gyro magnitude mean	[-1,1]	0.26569692058 2133
TBODYGYROMAGSTD	Double-precision number	Average standard deviation body gyro magnitude	[-1,1]	0.26569692058 2133
TBODYGYROJERKMAGMEAN	Double-precision number	Average mean body gyro jerk magnitude	[-1,1]	0.26569692058 2133
TBODYGYROJERKMAGSTD	Double-precision number	Average standard deviation body gyro jerk magnitude	[-1,1]	0.26569692058 2133
FBODYACCMEANX	Double-precision number	Average of the mean fbody acceleration in the X axis	[-1,1]	0.26569692058 2133
FBODYACCMEANY	Double-precision number	Average of the mean fbody acceleration in the Y axis	[-1,1]	0.26569692058 2133
FBODYACCMEANZ	Double-precision number	Average of the mean fbody acceleration in the Z axis	[-1,1]	0.26569692058 2133
FBODYACCSTDX	Double-precision number	Average of the standard deviation of fbody acceleration in the X axis	[-1,1]	0.26569692058 2133
FBODYACCSTDY	Double-precision number	Average of the standard deviation of fbody acceleration in the Y axis	[-1,1]	0.26569692058 2133
FBODYACCSTDZ	Double-precision number	Average of the standard deviation of fbody acceleration in the Z axis	[-1,1]	0.26569692058 2133

FBODYACCMEANFREQX	Double-precision number	Average of the mean fbody acceleration frequency in the X axis	[-1,1]	0.26569692058 2133
FBODYACCMEANFREQY	Double-precision number	Average of the meanf body acceleration frequency in the Y axis	[-1,1]	0.26569692058 2133
FBODYACCMEANFREQZ	Double-precision number	Average of the mean fbody acceleration frequency in the Z axis	[-1,1]	0.26569692058 2133
FBODYACCJERKMEANX	Double-precision number	Average of the standard deviation of fbody acceleration frequency in the X axis	[-1,1]	0.26569692058 2133
FBODYACCJERKMEANY	Double-precision number	Average of the standard deviation of fbody acceleration frequency in the Y axis	[-1,1]	0.26569692058 2133
FBODYACCJERKMEANZ	Double-precision number	Average of the standard deviation of fbody acceleration frequency in the Z axis	[-1,1]	0.26569692058 2133
FBODYACCJERKSTDX	Double-precision number	Average fbody acceleration jerk standard deviation X axis	[-1,1]	0.26569692058 2133
FBODYACCJERKSTDY	Double-precision number	Average fbody acceleration jerk standard deviation Y axis	[-1,1]	0.26569692058 2133
FBODYACCJERKSTDZ	Double-precision number	Average fbody acceleration jerk standard deviation Z axis	[-1,1]	0.26569692058 2133
FBODYACCJERKMEANFREQX	Double-precision number	Average fbody acceleration jerk mean frequency X axis	[-1,1]	0.26569692058 2133
FBODYACCJERKMEANFREQY	Double-precision number	Average fbody acceleration jerk mean frequency Y axis	[-1,1]	0.26569692058 2133
FBODYACCJERKMEANFREQZ	Double-precision number	Average fbody acceleration jerk mean frequency Z axis	[-1,1]	0.26569692058 2133
FBODYGYROMEANX	Double-precision number	Average fbody gyro mean X axis	[-1,1]	0.26569692058 2133
FBODYGYROMEANY	Double-precision number	Average fbody gyro mean Y axis	[-1,1]	0.26569692058 2133
FBODYGYROMEANZ	Double-precision number	Average fbody gyro mean Z axis	[-1,1]	0.26569692058 2133

FBODYGYROSTDX	Double-precision number	Average fbody gyro standard deviation X axis	[-1,1]	0.265696920582133
FBODYGYROSTDY	Double-precision number	Average fbody gyro standard deviation Y axis	[-1,1]	0.265696920582133
FBODYGYROSTDZ	Double-precision number	Average fbody gyro standard deviation Z axis	[-1,1]	0.265696920582133
FBODYGYROMEANFREQX	Double-precision number	Average fbody gyro mean frequency X axis	[-1,1]	0.265696920582133
FBODYGYROMEANFREQY	Double-precision number	Average fbody gyro mean frequency Y axis	[-1,1]	0.265696920582133
FBODYGYROMEANFREQZ	Double-precision number	Average fbody gyro mean frequency Z axis	[-1,1]	0.265696920582133
FBODYACCMAGMEAN	Double-precision number	Average fbody acceleration magnitude mean	[-1,1]	0.265696920582133
FBODYACCMAGSTD	Double-precision number	Average fbody acceleration magnitude mean	[-1,1]	0.265696920582133
FBODYACCMAGMEANFREQ	Double-precision number	Average fbody acceleration magnitude mean frequency	[-1,1]	0.265696920582133
FBODYBODYACCJERKMAGMEAN	Double-precision number	Average fbody body acceleration jeark magnitude mean	[-1,1]	0.265696920582133
FBODYBODYACCJERKMAGSTD	Double-precision number	Average fbody body acceleration jerk magnitude mean	[-1,1]	0.265696920582133
FBODYBODYACCJERKMAGMEANFREQ	Double-precision number	Average fbody body acceleration jerk magnitude mean frequency	[-1,1]	0.265696920582133
FBODYBODYGYROMAGMEAN	Double-precision number	Average fbody body gyro magnitude mean	[-1,1]	0.265696920582133
FBODYBODYGYROMAGSTD	Double-precision number	Average fbody body gyro magnitude standard deviation	[-1,1]	0.265696920582133
FBODYBODYGYROMAGMEANFREQ	Double-precision number	Average fbody body gyro magnitude mean frequency	[-1,1]	0.265696920582133
FBODYBODYGYROJERKMAGMEAN	Double-precision number	Average fbody body gyro jerk magnitude mean	[-1,1]	0.265696920582133

FBODYBODYGYROJERKMAGSTD	Double-precision number	Average fbody body gyro jerk magnituge standard deviation	[-1,1]	0.265696920582133
FBODYBODYGYROJERKMAGMEANFREQ	Double-precision number	Average fbody body gyro jerk magnitude mean frequency	[-1,1]	0.265696920582133
ANGLETBODYACCMEANGRAVITY	Double-precision number	Average angular body acceleration mean gravity	[-1,1]	0.265696920582133
ANGLETBODYACCJERKMEANGRAVITYMEAN	Double-precision number	Average angular body acceleration jeark mean gravity	[-1,1]	0.265696920582133
ANGLETBODYGYROMEANGRAVITYMEAN	Double-precision number	Average angular body gyro mean gravity mean	[-1,1]	0.265696920582133
ANGLETBODYGYROJERKMEANGRAVITYMEAN	Double-precision number	Average angular body gyro jerk mean gravity mean	[-1,1]	0.265696920582133
ANGLEXGRAVITYMEAN	Double-precision number	Average angular gravity mean X axis	[-1,1]	0.265696920582133
ANGLEYGRAVITYMEAN	Double-precision number	Average angular gravity mean Y axis	[-1,1]	0.265696920582133
ANGLEZGRAVITYMEAN	Double-precision number	Average angular gravity mean Z axis	[-1,1]	0.265696920582133
YVALUE	Double-precision number	Y-Value	[-1,1]	0.265696920582133