Code Book for Data Cleaning project

Columns codes and their meaning

Key remarks

Jerk - body linear acceleration and angular velocity derived in time

Column name	Column content
activname	Name of the activity performed by the subject
subjects	Subject ID
tbodyaccmx	Body acceleration - mean value recorded for X axis
tbodyaccmy	Body acceleration - mean value recorded for Y axis
tbodyaccmz	Body acceleration - mean value recorded for Z axis
tgravaccmx	Gravity acceleration - mean value recorded for X axis
tgravaccmy	Gravity acceleration - mean value recorded for Y axis
tgravaccmz	Gravity acceleration - mean value recorded for Z axis
tbodyjerkaccmx	Body jerk acceleration - mean value recorded for X axis
tbodyjerkaccmy	Body jerk acceleration - mean value recorded for Y axis
tbodyjerkaccmz	Body jerk acceleration - mean value recorded for Z axis
tbodygyromx	Gyroscope - mean value recorded for X axis
tbodygyromy	Gyroscope - mean value recorded for Y axis
tbodygyromz	Gyroscope - mean value recorded for Z axis
tbodygyrojerkmx	Body jerk gyroscope - mean value recorded for X axis
tbodygyrojerkmy	Body jerk gyroscope - mean value recorded for Y axis
tbodygyrojerkmz	Body jerk gyroscope - mean value recorded for Z axis
tbodyaccmagm	Body acceleration magnitude of three-dimensional signals of three-dimensional signals - mean
tgravaccmagm	Gravity acceleration magnitude of three-dimensional signals - mean value
tbodyaccjerkmagm	Jerk acceleration magnitude of three-dimensional signals - mean value
tbodygyromagm	Gyroscope magnitude of three-dimensional signals - mean value
tbodygyrojerkmagm	Gyroscope jerk - mean value
fbodyaccmx	Body acceleration - frequency domain signal mean value for X axis
fbodyaccmy	Body acceleration - frequency domain signal mean value for Y axis
fbodyaccmz	Body acceleration - frequency domain signal mean value for Z axis
fbodyaccmfreqx	Body acceleration - frequency domain signal mean value for X axis (weighted average of the f
fbodyaccmfreqy	Body acceleration - frequency domain signal mean value for Y axis (weighted average of the f
fbodyaccmfreqz	Body acceleration - frequency domain signal mean value for Z axis (weighted average of the fr
fbodyaccjerkmx	Jerk acceleration - frequency domain signal mean value for X axis
fbodyaccjerkmy	Jerk acceleration - frequency domain signal mean value for Y axis
fbodyaccjerkmz	Jerk acceleration - frequency domain signal mean value for Z axis

Column name	Column content
fbodyaccjerkmfreqx	Jerk acceleration - frequency domain signal mean value for X axis (weighted average of the fr
fbodyaccjerkmfreqy	Jerk acceleration - frequency domain signal mean value for Y axis (weighted average of the fr
fbodyaccjerkmfreqz	Jerk acceleration - frequency domain signal mean value for Z axis (weighted average of the fre
fbodygyromx	Gyroscope - frequency domain signal mean value for X axis
fbodygyromy	Gyroscope - frequency domain signal mean value for Y axis
fbodygyromz	Gyroscope - frequency domain signal mean value for Z axis
fbodygyromfreqx	Gyroscope - frequency domain signal mean value for X axis (weighted average of the frequenc
fbodygyromfreqy	Gyroscope - frequency domain signal mean value for Y axis (weighted average of the frequenc
fbodygyromfreqz	Gyroscope - frequency domain signal mean value for Z axis (weighted average of the frequenc
fbodyaccmagm	Body acceleration magnitude of three-dimensional signals - frequency domain signal mean val
fbodyaccmagmfreq	Body acceleration magnitude of three-dimensional signals - frequency domain signal mean val
fbodyaccjerkmagm	Jerk acceleration magnitude of three-dimensional signals - frequency domain signal mean valu
fbodyaccjerkmagmfreq	Jerk acceleration magnitude of three-dimensional signals - frequency domain signal mean valu
fbodygyromagm	Gyroscope magnitude of three-dimensional signals - frequency domain signal mean value
fbodygyromagmfreq	Gyroscope magnitude of three-dimensional signals - frequency domain signal mean value (wei
fbodygyrojerkmagm	Gyroscope magnitude of three-dimensional signals - frequency domain signal mean value
fbodygyrojerkmagmfreq	Gyroscope jerk magnitude of three-dimensional signals - frequency domain signal mean value
angletbodaccmgrav	Angle between body acceleration mean value and gravity
angletbodyaccjerkmgravm	Angle between jerk acceleration mean and gravity mean
angletbodygyromgravm	Angle between gyroscope mean and gravity mean
angletbodygyrojerkmgravm	Angle between gyroscope jerk mean and gravity mean
anglexgravm	Angle between X axis and gravity mean
angleygravm	Angle between Y axis and gravity mean
anglezgravm	Angle between Z axis and gravity mean
tbodyaccsx	Body acceleration - standard deviation value recorded for X axis
tbodyaccsy	Body acceleration - standard deviation value recorded for Y axis
tbodyaccsz	Body acceleration - standard deviation value recorded for Z axis
tgravaccsx	Gravity acceleration - standard deviation value recorded for X axis
tgravaccsy	Gravity acceleration - standard deviation value recorded for Y axis
tgravaccsz	Gravity acceleration - standard deviation value recorded for Z axis
tbodyaccjerksx	Body acceleration jerk - standard deviation value recorded for X axis
tbodyaccjerksy	Body acceleration jerk - standard deviation value recorded for Y axis
tbodyaccjerksz	Body acceleration jerk - standard deviation value recorded for Z axis
tbodygyrosx	Gyroscope - standard deviation value recorded for X axis
tbodygyrosy	Gyroscope - standard deviation value recorded for Y axis
tbodygyrosz	Gyroscope - standard deviation value recorded for Z axis

Column name	Column content
tbodygyrojerksx	Gyroscope - body jerk - standard deviation value recorded for X axis
tbodygyrojerksy	Gyroscope - body jerk - standard deviation value recorded for Y axis
tbodygyrojerksz	Gyroscope - body jerk - standard deviation value recorded for Z axis
tbodyaccmags	Body acceleration magnitude - standard deviation value
tgravaccmags	Gravity acceleration magnitude - standard deviation value
tbodyaccjerkmags	Body jerk - acceleration magnitude - standard deviation value
tbodygyromags	Gyroscope magnitude - standard deviation value
tbodygyrojerkmags	Gyroscope - body jerk - standard deviation value
fbodyaccsx	Body acceleration - frequency domain signal standard deviation value for X axis
fbodyaccsy	Body acceleration - frequency domain signal standard deviation value for Y axis
fbodyaccsz	Body acceleration - frequency domain signal standard deviation value for Z axis
fbodyaccjerksx	Jerk acceleration - frequency domain signal standard deviation value for X axis
fbodyaccjerksy	Jerk acceleration - frequency domain signal standard deviation value for Y axis
fbodyaccjerksz	Jerk acceleration - frequency domain signal standard deviation value for Z axis
fbodygyrosx	Gyroscope - frequency domain signal standard deviation value for X axis
fbodygyrosy	Gyroscope - frequency domain signal standard deviation value for Y axis
fbodygyrosz	Gyroscope - frequency domain signal standard deviation value for Z axis
fbodyaccmags	Body acceleration magnitude - frequency domain signal standard deviation value
fbodyaccjerkmags	Jerk acceleration magnitude - frequency domain signal standard deviation value
fobdygyromags	Gyroscope magnitude - frequency domain signal standard deviation value
fbodygyrojerkmags	Gyroscope magnitude - body jerk - frequency domain signal standard deviation value