

Run Analysis Codebook - Coleman

Variable	Description	Potential Values	Units
Subject	The subject or participant the raw data originates from	1 - 30	(none)
Activity	The activity associated with the raw data being reported	WALKING WALKING UPSTAIRS WALKING DOWNSTAIRS SITTING STANDING LAYING	(none)
Time Body Acceleration - Mean - X	The mean of the normalized time body accelerometer data in the X-axis	-1 to 1	(none)
Time Body Acceleration - Mean - Y	The mean of the normalized time body accelerometer data in the Y-axis	-1 to 1	(none)
Time Body Acceleration - Mean - Z	The mean of the normalized time body accelerometer data in the Z-axis	-1 to 1	(none)
Time Body Acceleration - Standard Deviation - X	The standard deviation of the normalized time body accelerometer data in the X-axis	-1 to 1	(none)
Time Body Acceleration - Standard Deviation - Y	The standard deviation of the normalized time body accelerometer data in the Y-axis	-1 to 1	(none)
Time Body Acceleration - Standard Deviation - Z	The standard deviation of the normalized time body accelerometer data in the Z-axis	-1 to 1	(none)
Time Gravity Acceleration - Mean - X	The mean of the normalized time gravity accelerometer data in the X-axis	-1 to 1	(none)
Time Gravity Acceleration - Mean - Y	The mean of the normalized time gravity accelerometer data in the Y-axis	-1 to 1	(none)
Time Gravity Acceleration - Mean - Z	The mean of the normalized time gravity accelerometer data in the Z-axis	-1 to 1	(none)
Time Gravity Acceleration - Standard Deviation - X	The standard deviation of the normalized time gravity accelerometer data in the X-axis	-1 to 1	(none)
Time Gravity Acceleration - Standard Deviation - Y	The standard deviation of the normalized time gravity accelerometer data in the Y-axis	-1 to 1	(none)
Time Gravity Acceleration - Standard Deviation - Z	The standard deviation of the normalized time gravity accelerometer data in the Z-axis	-1 to 1	(none)
Time Body Acceleration Jerk - Mean - X	The mean of the normalized time body jerk accelerometer data in the X-axis	-1 to 1	(none)
Time Body Acceleration Jerk - Mean - Y	The mean of the normalized time body jerk accelerometer data in the Y-axis	-1 to 1	(none)

Time Body Acceleration Jerk - Mean - Z	The mean of the normalized time body jerk accelerometer data in the Z-axis	-1 to 1	(none)
Time Body Acceleration Jerk - Standard Deviation - X	The standard deviation of the normalized time body jerk accelerometer data in the X-axis	-1 to 1	(none)
Time Body Acceleration Jerk - Standard Deviation - Y	The standard deviation of the normalized time body jerk accelerometer data in the Y-axis	-1 to 1	(none)
Time Body Acceleration Jerk - Standard Deviation - Z	The standard deviation of the normalized time body jerk accelerometer data in the Z-axis	-1 to 1	(none)
Time Body Gyroscope - Mean - X	The mean of the normalized time body gyroscopic data in the X-axis	-1 to 1	(none)
Time Body Gyroscope - Mean - Y	The mean of the normalized time body gyroscopic data in the Y-axis	-1 to 1	(none)
Time Body Gyroscope - Mean - Z	The mean of the normalized time body gyroscopic data in the Z-axis	-1 to 1	(none)
Time Body Gyroscope - Standard Deviation - X	The standard deviation of the normalized time body gyroscopic data in the X-axis	-1 to 1	(none)
Time Body Gyroscope - Standard Deviation - Y	The standard deviation of the normalized time body gyroscopic data in the Y-axis	-1 to 1	(none)
Time Body Gyroscope - Standard Deviation - Z	The standard deviation of the normalized time body gyroscopic data in the Z-axis	-1 to 1	(none)
Time Body Gyroscope Jerk - Mean - X	The mean of the normalized time body jerk gyroscopic data in the X-axis	-1 to 1	(none)
Time Body Gyroscope Jerk - Mean - Y	The mean of the normalized time body jerk gyroscopic data in the Y-axis	-1 to 1	(none)
Time Body Gyroscope Jerk - Mean - Z	The mean of the normalized time body jerk gyroscopic data in the Z-axis	-1 to 1	(none)
Time Body Gyroscope Jerk - Standard Deviation - X	The standard deviation of the normalized time body jerk gyroscopic data in the X-axis	-1 to 1	(none)
Time Body Gyroscope Jerk - Standard Deviation - Y	The standard deviation of the normalized time body jerk gyroscopic data in the Y-axis	-1 to 1	(none)
Time Body Gyroscope Jerk - Standard Deviation - Z	The standard deviation of the normalized time body jerk gyroscopic data in the Z-axis	-1 to 1	(none)
Time Body Acceleration Magnitude - Mean	The mean of the normalized time body magnitude accelerometer data	-1 to 1	(none)
Time Body Acceleration Magnitude - Standard Deviation	The standard deviation of the normalized time body magnitude accelerometer data	-1 to 1	(none)
Time Gravity Acceleration Magnitude - Mean	The mean of the normalized time gravity magnitude accelerometer data	-1 to 1	(none)

Time Gravity Acceleration Magnitude - Standard Deviation	The standard deviation of the normalized time gravity magnitude accelerometer data	-1 to 1	(none)
Time Body Acceleration Jerk Magnitude - Mean	The mean of the normalized time body magnitude jerk accelerometer data	-1 to 1	(none)
Time Body Acceleration Jerk Magnitude - Standard Deviation	The standard deviation of the normalized time body magnitude jerk accelerometer data	-1 to 1	(none)
Time Body Gyroscope Magnitude - Mean	The mean of the normalized time body magnitude gyroscopic data	-1 to 1	(none)
Time Body Gyroscope Magnitude - Standard Deviation	The standard deviation of the normalized time body magnitude gyroscopic data	-1 to 1	(none)
Time Body Gyroscope Jerk Magnitude - Mean	The mean of the normalized time body magnitude jerk gyroscopic data	-1 to 1	(none)
Time Body Gyroscope Jerk Magnitude - Standard Deviation	The standard deviation of the normalized time body magnitude jerk gyroscopic data	-1 to 1	(none)
Frequency Body Acceleration - Mean - X	The mean of the normalized frequency body accelerometer data in the X-axis	-1 to 1	(none)
Frequency Body Acceleration - Mean - Y	The mean of the normalized frequency body accelerometer data in the Y-axis	-1 to 1	(none)
Frequency Body Acceleration - Mean - Z	The mean of the normalized frequency body accelerometer data in the Z-axis	-1 to 1	(none)
Frequency Body Acceleration - Standard Deviation - X	The standard deviation of the normalized frequency body accelerometer data in the X-axis	-1 to 1	(none)
Frequency Body Acceleration - Standard Deviation - Y	The standard deviation of the normalized frequency body accelerometer data in the Y-axis	-1 to 1	(none)
Frequency Body Acceleration - Standard Deviation - Z	The standard deviation of the normalized frequency body accelerometer data in the Z-axis	-1 to 1	(none)
Frequency Body Acceleration - Frequency Mean - X	The frequency mean of the normalized frequency body accelerometer data in the X-axis	-1 to 1	(none)
Frequency Body Acceleration - Frequency Mean - Y	The frequency mean of the normalized frequency body accelerometer data in the Y-axis	-1 to 1	(none)
Frequency Body Acceleration - Frequency Mean - Z	The frequency mean of the normalized frequency body accelerometer data in the Z-axis	-1 to 1	(none)

Frequency Body Acceleration Jerk - Mean - X	The mean of the normalized frequency jerk accelerometer data in the X-axis	-1 to 1	(none)
Frequency Body Acceleration Jerk - Mean - Y	The mean of the normalized frequency jerk accelerometer data in the Y-axis	-1 to 1	(none)
Frequency Body Acceleration Jerk - Mean - Z	The mean of the normalized frequency jerk accelerometer data in the Z-axis	-1 to 1	(none)
Frequency Body Acceleration Jerk - Standard Deviation - X	The standard deviation of the normalized frequency jerk accelerometer data in the X-axis	-1 to 1	(none)
Frequency Body Acceleration Jerk - Standard Deviation - Y	The standard deviation of the normalized frequency jerk accelerometer data in the Y-axis	-1 to 1	(none)
Frequency Body Acceleration Jerk - Standard Deviation - Z	The standard deviation of the normalized frequency jerk accelerometer data in the Z-axis	-1 to 1	(none)
Frequency Body Acceleration Jerk - Frequency Mean - X	The frequency mean of the normalized frequency jerk accelerometer data in the X-axis	-1 to 1	(none)
Frequency Body Acceleration Jerk - Frequency Mean - Y	The frequency mean of the normalized frequency jerk accelerometer data in the Y-axis	-1 to 1	(none)
Frequency Body Acceleration Jerk - Frequency Mean - Z	The frequency mean of the normalized frequency jerk accelerometer data in the Z-axis	-1 to 1	(none)
Frequency Body Gyroscope - Mean - X	The mean of the normalized frequency body gyroscopic data in the X-axis	-1 to 1	(none)
Frequency Body Gyroscope - Mean - Y	The mean of the normalized frequency body gyroscopic data in the Y-axis	-1 to 1	(none)
Frequency Body Gyroscope - Mean - Z	The mean of the normalized frequency body gyroscopic data in the Z-axis	-1 to 1	(none)
Frequency Body Gyroscope - Standard Deviation - X	The standard deviation of the normalized frequency body gyroscopic data in the X-axis	-1 to 1	(none)
Frequency Body Gyroscope - Standard Deviation - Y	The standard deviation of the normalized frequency body gyroscopic data in the Y-axis	-1 to 1	(none)
Frequency Body Gyroscope - Standard Deviation - Z	The standard deviation of the normalized frequency body gyroscopic data in the Z-axis	-1 to 1	(none)
Frequency Body Gyroscope - Frequency Mean - X	The frequency mean of the normalized frequency body gyroscopic data in the X-axis	-1 to 1	(none)
Frequency Body Gyroscope - Frequency Mean - Y	The frequency mean of the normalized frequency body gyroscopic data in the Y-axis	-1 to 1	(none)
Frequency Body Gyroscope - Frequency Mean - Z	The frequency mean of the normalized frequency body gyroscopic data in the Z-axis	-1 to 1	(none)

Frequency Body Acceleration Magnitude - Mean	The mean of the normalized frequency body magnitude accelerometer data	-1 to 1	(none)
Frequency Body Acceleration Magnitude - Standard Deviation	The standard deviation of the normalized frequency body magnitude accelerometer data	-1 to 1	(none)
Frequency Body Acceleration Magnitude - Frequency Mean	The frequency mean of the normalized frequency body magnitude accelerometer data	-1 to 1	(none)
Frequency BodyBody Acceleration Jerk Magnitude - Mean	The mean of the normalized frequency body jerk magnitude accelerometer data	-1 to 1	(none)
Frequency BodyBody Acceleration Jerk Magnitude - Standard Deviation	The standard deviation of the normalized frequency body jerk magnitude accelerometer data	-1 to 1	(none)
Frequency BodyBody Acceleration Jerk Magnitude - Frequency Mean	The frequency mean of the normalized frequency body jerk magnitude accelerometer data	-1 to 1	(none)
Frequency BodyBody Gyroscope Magnitude - Mean	The mean of the normalized frequency body magnitude gyroscopic data	-1 to 1	(none)
Frequency BodyBody Gyroscope Magnitude - Standard Deviation	The standard deviation of the normalized frequency body magnitude gyroscopic data	-1 to 1	(none)
Frequency BodyBody Gyroscope Magnitude - Frequency Mean	The frequency mean of the normalized frequency body magnitude gyroscopic data	-1 to 1	(none)
Frequency BodyBody Gyroscope Jerk Magnitude - Mean	The mean of the normalized frequency body jerk magnitude gyroscopic data	-1 to 1	(none)
Frequency BodyBody Gyroscope Jerk Magnitude - Standard Deviation	The standard deviation of the normalized frequency body jerk magnitude gyroscopic data	-1 to 1	(none)
Frequency BodyBody Gyroscope Jerk Magnitude - Frequency Mean	The frequency mean of the normalized frequency body jerk magnitude gyroscopic data	-1 to 1	(none)