

CodeBook

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This code book describes the variables defined in the tidy1.txt dataset

NOTE: The variable name in the derived dataset (summarybysubjectactivity.txt) are named meanofxxxx where xxx is the original variable name from tidy1 so for example timebodyaccelerationmeanx becomes meanoftimebodyaccelerationmeanx

ID	Variable Name	Type	measure	axis	domain	description	Unit
1	subject	NA	NA	NA	NA	subject ID	NA
2	activity	NA	NA	NA	NA	activity	NA
3	timebodyaccelerationmeanx	acceleration	mean	x	time	body	g
4	timebodyaccelerationmeany	acceleration	mean	y	time	body	g
5	timebodyaccelerationmeanz	acceleration	mean	z	time	body	g
6	timebodyaccelerationstddevx	acceleration	std dev	x	time	body	g
7	timebodyaccelerationstddevy	acceleration	std dev	y	time	body	g
8	timebodyaccelerationstddevz	acceleration	std dev	z	time	body	g
9	timegravityaccelerationmeanx	acceleration	std dev	x	time	body	g
10	timegravityaccelerationmeany	acceleration	std dev	y	time	body	g
11	timegravityaccelerationmeanz	acceleration	std dev	z	time	body	g
12	timegravityaccelerationstddevx	acceleration	std dev	x	time	gravity	g
13	timegravityaccelerationstddevy	acceleration	std dev	y	time	gravity	g
14	timegravityaccelerationstddevz	acceleration	std dev	z	time	gravity	g
15	timebodyaccelerationjerkmeanx	acceleration	mean	x	time	jerk	g
16	timebodyaccelerationjerkmeany	acceleration	mean	y	time	jerk	g
17	timebodyaccelerationjerkmeanz	acceleration	mean	z	time	jerk	g
18	timebodyaccelerationjerkstddevx	acceleration	std dev	x	time	jerk	g
19	timebodyaccelerationjerkstddevy	acceleration	std dev	y	time	jerk	g
20	timebodyaccelerationjerkstddevz	acceleration	std dev	z	time	jerk	g

ID	Variable Name	Type	measure	axis	domain	description	Unit
21	timebodygyroscopemeanx	gyroscope	mean	x	time	body	rad/s
22	timebodygyroscopemeanx	gyroscope	mean	y	time	body	rad/s
23	timebodygyroscopemeanz	gyroscope	mean	z	time	body	rad/s
24	timebodygyroscopestddevx	gyroscope	std dev	x	time	body	rad/s
25	timebodygyroscopestddevy	gyroscope	std dev	y	time	body	rad/s
26	timebodygyroscopestddevz	gyroscope	std dev	z	time	body	rad/s
27	timebodygyroscopejerkmeanx	gyroscope	mean	x	time	jerk	rad/s
28	timebodygyroscopejerkmeanx	gyroscope	mean	y	time	jerk	rad/s
29	timebodygyroscopejerkmeanz	gyroscope	mean	z	time	jerk	rad/s
30	timebodygyroscopejerkstddevx	gyroscope	std dev	x	time	jerk	rad/s
31	timebodygyroscopejerkstddevy	gyroscope	std dev	y	time	jerk	rad/s
32	timebodygyroscopejerkstddevz	gyroscope	std dev	z	time	jerk	rad/s
33	timebodyaccelerationmagnitudestddev	acceleration	std dev	NA	time	magnitude	g
34	timegravityaccelerationmagnitudestddev	acceleration	std dev	NA	time	magnitude	g
35	timebodyaccelerationjerkmagnitudestddev	acceleration	std dev	NA	time	magnitude	g
36	timebodygyroscopemagnitudestddev	gyroscope	std dev	NA	time	magnitude	rad/s
37	timebodygyroscopemagnitudestddev	acceleration	std dev	x	time	magnitude	rad/s
38	frequencybodyaccelerationmeanx	acceleration	mean	x	frequency	body	Hz
39	frequencybodyaccelerationmeanx	acceleration	mean	y	frequency	body	Hz
40	frequencybodyaccelerationmeanz	acceleration	mean	z	frequency	body	Hz
41	frequencybodyaccelerationstddevx	acceleration	std dev	x	frequency	body	Hz
42	frequencybodyaccelerationstddevy	acceleration	std dev	y	frequency	body	Hz
43	frequencybodyaccelerationstddevz	acceleration	std dev	x	frequency	body	Hz
44	frequencybodyaccelerationjerkmeanx	acceleration	mean	x	frequency	jerk	Hz
45	frequencybodyaccelerationjerkmeanx	acceleration	mean	y	time	jerk	Hz
46	frequencybodyaccelerationjerkmeanz	acceleration	mean	z	time	jerk	Hz

ID	Variable Name	Type	measure	axis	domain	description	Unit
47	frequencybodyaccelerationjerkstddevxaccelerationstd dev			x	frequency	jerk	Hz
48	frequencybodyaccelerationjerkstddevyaccelerationstd dev			y	frequency	jerk	Hz
49	frequencybodyaccelerationjerkstddevzaccelerationstd dev			z	frequency	jerk	Hz
50	frequencybodygyroscopemeanx	gyroscope mean		x	frequency	body	Hz
51	frequencybodygyroscopemeanx	gyroscope mean		y	frequency	body	Hz
52	frequencybodygyroscopemeanx	gyroscope mean		z	frequency	body	Hz
53	frequencybodygyroscopestddevx	gyroscope std dev		x	frequency	body	Hz
54	frequencybodygyroscopestddevy	gyroscope std dev		y	frequency	body	Hz
55	frequencybodygyroscopestddevz	gyroscope std dev		z	frequency	body	Hz
56	frequencybodyaccelerationmagnitudesstddevaccelerationstd dev			NA	frequency	magnitude	Hz
57	frequencybodybodyaccelerationjerkmagnitudesstddevaccelerationstd dev			NA	frequency	jerk	Hz
58	frequencybodybodygyroscopemagnitudesstddevgyroscope std dev			NA	frequency	magnitude	Hz
59	frequencybodybodygyroscopemagnitudesstddevgyroscope std dev			NA	frequency	jerk	Hz