

Variables in TidyData

1. Subject : A number from 1 – 30 indicating which of the 30 volunteers the measurement was taken for.
2. Activity : Indicates which activity out of 6 was the data collected for.
3. Rest 158 variables :
 - There are 79 variables containing mean and standard deviation measurements in the original data.
 - These were extracted and grouped by subject and activity. Then the mean and standard deviation of these was taken for each subject and each activity.
 - Thus there are $79 \times 2 = 158$ measurements.
 - If the original variable selected was "tBodyAcc-mean()-X" then the mean and standard deviations of it is named "tBodyAccmeanX_mean" and "tBodyAccmeanX_sd" in the tidy dataset.
 1. tBodyAccmeanX_mean
 2. tBodyAccmeanX_sd
 3. tBodyAccmeanY_mean
 4. tBodyAccmeanY_sd
 5. tBodyAccmeanZ_mean
 6. tBodyAccmeanZ_sd
 7. tBodyAccstdX_mean
 8. tBodyAccstdX_sd
 9. tBodyAccstdY_mean
 10. tBodyAccstdY_sd
 11. tBodyAccstdZ_mean
 12. tBodyAccstdZ_sd
 13. tGravityAccmeanX_mean
 14. tGravityAccmeanX_sd
 15. tGravityAccmeanY_mean
 16. tGravityAccmeanY_sd
 17. tGravityAccmeanZ_mean
 18. tGravityAccmeanZ_sd
 19. tGravityAccstdX_mean
 20. tGravityAccstdX_sd
 21. tGravityAccstdY_mean
 22. tGravityAccstdY_sd
 23. tGravityAccstdZ_mean
 24. tGravityAccstdZ_sd
 25. tBodyAccJerkmeanX_mean
 26. tBodyAccJerkmeanX_sd
 27. tBodyAccJerkmeanY_mean
 28. tBodyAccJerkmeanY_sd
 29. tBodyAccJerkmeanZ_mean
 30. tBodyAccJerkmeanZ_sd
 31. tBodyAccJerkstdX_mean
 32. tBodyAccJerkstdX_sd
 33. tBodyAccJerkstdY_mean
 34. tBodyAccJerkstdY_sd

35. tBodyAccJerkstdZ_mean
36. tBodyAccJerkstdZ_sd
37. tBodyGyromeanX_mean
38. tBodyGyromeanX_sd
39. tBodyGyromeanY_mean
40. tBodyGyromeanY_sd
41. tBodyGyromeanZ_mean
42. tBodyGyromeanZ_sd
43. tBodyGyrostdX_mean
44. tBodyGyrostdX_sd
45. tBodyGyrostdY_mean
46. tBodyGyrostdY_sd
47. tBodyGyrostdZ_mean
48. tBodyGyrostdZ_sd
49. tBodyGyroJerkmeanX_mean
50. tBodyGyroJerkmeanX_sd
51. tBodyGyroJerkmeanY_mean
52. tBodyGyroJerkmeanY_sd
53. tBodyGyroJerkmeanZ_mean
54. tBodyGyroJerkmeanZ_sd
55. tBodyGyroJerkstdX_mean
56. tBodyGyroJerkstdX_sd
57. tBodyGyroJerkstdY_mean
58. tBodyGyroJerkstdY_sd
59. tBodyGyroJerkstdZ_mean
60. tBodyGyroJerkstdZ_sd
61. tBodyAccMagmean_mean
62. tBodyAccMagmean_sd
63. tBodyAccMagstd_mean
64. tBodyAccMagstd_sd
65. tGravityAccMagmean_mean
66. tGravityAccMagmean_sd
67. tGravityAccMagstd_mean
68. tGravityAccMagstd_sd
69. tBodyAccJerkMagmean_mean
70. tBodyAccJerkMagmean_sd
71. tBodyAccJerkMagstd_mean
72. tBodyAccJerkMagstd_sd
73. tBodyGyroMagmean_mean
74. tBodyGyroMagmean_sd
75. tBodyGyroMagstd_mean
76. tBodyGyroMagstd_sd
77. tBodyGyroJerkMagmean_mean
78. tBodyGyroJerkMagmean_sd
79. tBodyGyroJerkMagstd_mean
80. tBodyGyroJerkMagstd_sd
81. fBodyAccmeanX_mean
82. fBodyAccmeanX_sd

83. fBodyAccmeanY_mean
84. fBodyAccmeanY_sd
85. fBodyAccmeanZ_mean
86. fBodyAccmeanZ_sd
87. fBodyAccstdX_mean
88. fBodyAccstdX_sd
89. fBodyAccstdY_mean
90. fBodyAccstdY_sd
91. fBodyAccstdZ_mean
92. fBodyAccstdZ_sd
93. fBodyAccmeanFreqX_mean
94. fBodyAccmeanFreqX_sd
95. fBodyAccmeanFreqY_mean
96. fBodyAccmeanFreqY_sd
97. fBodyAccmeanFreqZ_mean
98. fBodyAccmeanFreqZ_sd
99. fBodyAccJerkmeanX_mean
100. fBodyAccJerkmeanX_sd
101. fBodyAccJerkmeanY_mean
102. fBodyAccJerkmeanY_sd
103. fBodyAccJerkmeanZ_mean
104. fBodyAccJerkmeanZ_sd
105. fBodyAccJerkstdX_mean
106. fBodyAccJerkstdX_sd
107. fBodyAccJerkstdY_mean
108. fBodyAccJerkstdY_sd
109. fBodyAccJerkstdZ_mean
110. fBodyAccJerkstdZ_sd
111. fBodyAccJerkmeanFreqX_mean
112. fBodyAccJerkmeanFreqX_sd
113. fBodyAccJerkmeanFreqY_mean
114. fBodyAccJerkmeanFreqY_sd
115. fBodyAccJerkmeanFreqZ_mean
116. fBodyAccJerkmeanFreqZ_sd
117. fBodyGyromeanX_mean
118. fBodyGyromeanX_sd
119. fBodyGyromeanY_mean
120. fBodyGyromeanY_sd
121. fBodyGyromeanZ_mean
122. fBodyGyromeanZ_sd
123. fBodyGyrostdX_mean
124. fBodyGyrostdX_sd
125. fBodyGyrostdY_mean
126. fBodyGyrostdY_sd
127. fBodyGyrostdZ_mean
128. fBodyGyrostdZ_sd
129. fBodyGyromeanFreqX_mean
130. fBodyGyromeanFreqX_sd

131. fBodyGyromeanFreqY_mean
132. fBodyGyromeanFreqY_sd
133. fBodyGyromeanFreqZ_mean
134. fBodyGyromeanFreqZ_sd
135. fBodyAccMagmean_mean
136. fBodyAccMagmean_sd
137. fBodyAccMagstd_mean
138. fBodyAccMagstd_sd
139. fBodyAccMagmeanFreq_mean
140. fBodyAccMagmeanFreq_sd
141. fBodyBodyAccJerkMagmean_mean
142. fBodyBodyAccJerkMagmean_sd
143. fBodyBodyAccJerkMagstd_mean
144. fBodyBodyAccJerkMagstd_sd
145. fBodyBodyAccJerkMagmeanFreq_mean
146. fBodyBodyAccJerkMagmeanFreq_sd
147. fBodyBodyGyroMagmean_mean
148. fBodyBodyGyroMagmean_sd
149. fBodyBodyGyroMagstd_mean
150. fBodyBodyGyroMagstd_sd
151. fBodyBodyGyroMagmeanFreq_mean
152. fBodyBodyGyroMagmeanFreq_sd
153. fBodyBodyGyroJerkMagmean_mean
154. fBodyBodyGyroJerkMagmean_sd
155. fBodyBodyGyroJerkMagstd_mean
156. fBodyBodyGyroJerkMagstd_sd
157. fBodyBodyGyroJerkMagmeanFreq_mean
158. fBodyBodyGyroJerkMagmeanFreq_sd