DATA DICTIONARY - tidy_data_means.txt

There are 30 subjects (with representing codes 1 through 30), with 6 rows per subject (corresponding to each of 6 activities). Thus the data has $30 \cdot 6 = 180$ rows. Including the subject code and activity, this data set has 79 features (columns). Each feature (excepting Subject and Activity) is the mean of all the measurements for a particular subject doing a particular activity.

Features (columns):

1. Subject
2. Time.BodyAcc.mean.X
3. Time.BodyAcc.mean.Y
4. Time.BodyAcc.mean.Z
5. Time.BodyAcc.std.X
6. Time.BodyAcc.std.Y
7. Time.BodyAcc.std.Z
8. Time.GravityAcc.mean.X
9. Time.GravityAcc.mean.Y
10. Time.GravityAcc.mean.Z
11. Time.GravityAcc.std.X
12. Time.GravityAcc.std.Y
13. Time.GravityAcc.std.Z
14. Time.BodyAccJerk.mean.X
15. Time.BodyAccJerk.mean.Y
16. Time.BodyAccJerk.mean.Z
17. Time.BodyAccJerk.std.X
18. Time.BodyAccJerk.std.Y
19. Time.BodyAccJerk.std.Z
20. Time.BodyGyro.mean.X
21. Time.BodyGyro.mean.Y
22. Time.BodyGyro.mean.Z
23. Time.BodyGyro.std.X
24. Time.BodyGyro.std.Y
25. Time.BodyGyro.std.Z
26. Time.BodyGyroJerk.mean.X
27. Time.BodyGyroJerk.mean.Y
28. Time.BodyGyroJerk.mean.Z
29. Time.BodyGyroJerk.std.X
30. Time.BodyGyroJerk.std.Y
31. Time.BodyGyroJerk.std.Z
32. Time.GravityAccMag.mean
33. Time.GravityAccMag.std
34. Time.BodyAccJerkMag.mean
35. Time.BodyAccJerkMag.std
36. Time.BodyGyroMag.mean
37. Time.BodyGyroMag.std
38. Time.BodyGyroJerkMag.mean
39. Time.BodyGyroJerkMag.std
40. Freq.BodyAcc.mean.X

41. Freq.BodyAcc.mean.Y
42. Freq.BodyAcc.mean.Z
43. Freq.BodyAcc.std.X
44. Freq.BodyAcc.std.Y
45. Freq.BodyAcc.std.Z
46. Freq.BodyAcc.meanFreq.X
47. Freq.BodyAcc.meanFreq.Y
48. Freq.BodyAcc.meanFreq.Z
49. Freq.BodyAccJerk.mean.X
50. Freq.BodyAccJerk.mean.Y
51. Freq.BodyAccJerk.mean.Z
52. Freq.BodyAccJerk.std.X
53. Freq.BodyAccJerk.std.Y
54. Freq.BodyAccJerk.std.Z
55. Freq.BodyAccJerk.meanFreq.X
56. Freq.BodyAccJerk.meanFreq.Y
57. Freq.BodyAccJerk.meanFreq.Z
58. Freq.BodyGyro.mean.X
59. Freq.BodyGyro.mean.Y
60. Freq.BodyGyro.mean.Z
61. Freq.BodyGyro.std.X
62. Freq.BodyGyro.std.Y
63. Freq.BodyGyro.std.Z
64. Freq.BodyGyro.meanFreq.X
65. Freq.BodyGyro.meanFreq.Y
66. Freq.BodyGyro.meanFreq.Z
67. Freq.BodyAccMag.mean
68. Freq.BodyAccMag.std
69. Freq.BodyAccMag.meanFreq
70. Freq.BodyBodyAccJerkMag.mean
71. Freq.BodyBodyAccJerkMag.std
72. Freq.BodyBodyAccJerkMag.meanFreq
73. Freq.BodyBodyGyroMag.mean
74. Freq.BodyBodyGyroMag.std
75. Freq.BodyBodyGyroMag.meanFreq
76. Freq.BodyBodyGyroJerkMag.mean
77. Freq.BodyBodyGyroJerkMag.std
78. Freq.BodyBodyGyroJerkMag.meanFreq
79. Activity

More detailed information about these features can be found where the original data was found:

http://archive.ics.uci.edu/ml/datasets/Human+Activity+Recognition+Using+Smartphones

For the original data, replace “Time.” by “t”, and “Freq.” by “f”.