1. subject

   id of the subject was measured

2. activity_label

   name of the activity

3. tBodyAcc_mean_X

   t Body Acc mean X

   Mean of all measurements oftBodyAcc_mean_X from the same subject and activity in time domain

4. tBodyAcc_mean_Y

   t Body Acc mean Y

   Mean of all measurements oftBodyAcc_mean_Y from the same subject and activity in time domain

5. tBodyAcc_mean_Z

   t Body Acc mean Z

   Mean of all measurements oftBodyAcc_mean_Z from the same subject and activity in time domain

6. tBodyAcc_std_X

   t Body Acc std X

Mean of all measurements oftBodyAcc_std_X from the same subject and activity in time domain

7. tBodyAcc_std_Y

t Body Acc std Y

Mean of all measurements oftBodyAcc_std_Y from the same subject and activity in time domain

8. tBodyAcc_std_Z

t Body Acc std Z

Mean of all measurements oftBodyAcc_std_Z from the same subject and activity in time domain

9. tGravityAcc_mean_X

t Gravity Acc mean X

Mean of all measurements oftGravityAcc_mean_X from the same subject and activity in time domain

10. tGravityAcc_mean_Y

t Gravity Acc mean Y

Mean of all measurements oftGravityAcc_mean_Y from the same subject and activity in time domain

11. tGravityAcc_mean_Z

t Gravity Acc mean Z

Mean of all measurements oftGravityAcc_mean_Z from the same subject and activity in time domain

12. tGravityAcc_std_X

t Gravity Acc std X

Mean of all measurements oftGravityAcc_std_X from the same subject and activity in time domain

13. tGravityAcc_std_Y

t Gravity Acc std Y

Mean of all measurements oftGravityAcc_std_Y from the same subject and activity in time domain

14. tGravityAcc_std_Z

t Gravity Acc std Z

Mean of all measurements oftGravityAcc_std_Z from the same subject and activity in time domain

15. tBodyAccJerk_mean_X

t Body Acc Jerk mean X

Mean of all measurements oftBodyAccJerk_mean_X from the same subject and activity in time domain

16. tBodyAccJerk_mean_Y

t Body Acc Jerk mean Y

Mean of all measurements oftBodyAccJerk_mean_Y from the same subject and activity in time domain

17. tBodyAccJerk_mean_Z

  t Body Acc Jerk mean Z

  Mean of all measurements oftBodyAccJerk_mean_Z from the same subject and activity in time domain

18. tBodyAccJerk_std_X

  t Body Acc Jerk std X

  Mean of all measurements oftBodyAccJerk_std_X from the same subject and activity in time domain

19. tBodyAccJerk_std_Y

  t Body Acc Jerk std Y

  Mean of all measurements oftBodyAccJerk_std_Y from the same subject and activity in time domain

20. tBodyAccJerk_std_Z

  t Body Acc Jerk std Z

  Mean of all measurements oftBodyAccJerk_std_Z from the same subject and activity in time domain

21. tBodyGyro_mean_X

  t Body Gyro mean X

  Mean of all measurements oftBodyGyro_mean_X from the same subject and activity in time domain

22. tBodyGyro_mean_Y

   t Body Gyro mean Y

   Mean of all measurements oftBodyGyro_mean_Y from the same subject and activity in time domain

23. tBodyGyro_mean_Z

   t Body Gyro mean Z

   Mean of all measurements oftBodyGyro_mean_Z from the same subject and activity in time domain

24. tBodyGyro_std_X

   t Body Gyro std X

   Mean of all measurements oftBodyGyro_std_X from the same subject and activity in time domain

25. tBodyGyro_std_Y

   t Body Gyro std Y

   Mean of all measurements oftBodyGyro_std_Y from the same subject and activity in time domain

26. tBodyGyro_std_Z

   t Body Gyro std Z

   Mean of all measurements oftBodyGyro_std_Z from the same subject and activity in time domain

27. tBodyGyroJerk_mean_X

　　t Body Gyro Jerk mean X

　　Mean of all measurements oftBodyGyroJerk_mean_X from the same subject and activity in time domain

28. tBodyGyroJerk_mean_Y

　　t Body Gyro Jerk mean Y

　　Mean of all measurements oftBodyGyroJerk_mean_Y from the same subject and activity in time domain

29. tBodyGyroJerk_mean_Z

　　t Body Gyro Jerk mean Z

　　Mean of all measurements oftBodyGyroJerk_mean_Z from the same subject and activity in time domain

30. tBodyGyroJerk_std_X

　　t Body Gyro Jerk std X

　　Mean of all measurements oftBodyGyroJerk_std_X from the same subject and activity in time domain

31. tBodyGyroJerk_std_Y

　　t Body Gyro Jerk std Y

　　Mean of all measurements oftBodyGyroJerk_std_Y from the same subject and activity in time domain

32. tBodyGyroJerk_std_Z

   t Body Gyro Jerk std Z

   Mean of all measurements oftBodyGyroJerk_std_Z from the same subject and activity in time domain

33. tBodyAccMag_mean

   t Body Acc Mag mean

   Mean of all measurements oftBodyAccMag_mean from the same subject and activity in time domain

34. tBodyAccMag_std

   t Body Acc Mag std

   Mean of all measurements oftBodyAccMag_std from the same subject and activity in time domain

35. tGravityAccMag_mean

   t Gravity Acc Mag mean

   Mean of all measurements oftGravityAccMag_mean from the same subject and activity in time domain

36. tGravityAccMag_std

   t Gravity Acc Mag std

   Mean of all measurements oftGravityAccMag_std from the same subject and activity in time domain

37. tBodyAccJerkMag_mean

t Body Acc Jerk Mag mean

Mean of all measurements oftBodyAccJerkMag_mean from the same subject and activity in time domain

38. tBodyAccJerkMag_std

t Body Acc Jerk Mag std

Mean of all measurements oftBodyAccJerkMag_std from the same subject and activity in time domain

39. tBodyGyroMag_mean

t Body Gyro Mag mean

Mean of all measurements oftBodyGyroMag_mean from the same subject and activity in time domain

40. tBodyGyroMag_std

t Body Gyro Mag std

Mean of all measurements oftBodyGyroMag_std from the same subject and activity in time domain

41. tBodyGyroJerkMag_mean

t Body Gyro Jerk Mag mean

Mean of all measurements oftBodyGyroJerkMag_mean from the same subject and activity in time domain

42. tBodyGyroJerkMag_std

   t Body Gyro Jerk Mag std

   Mean of all measurements oftBodyGyroJerkMag_std from the same subject and activity in time domain

43. fBodyAcc_mean_X

   f Body Acc mean X

   Mean of all measurements offBodyAcc_mean_X from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

44. fBodyAcc_mean_Y

   f Body Acc mean Y

   Mean of all measurements offBodyAcc_mean_Y from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

45. fBodyAcc_mean_Z

   f Body Acc mean Z

   Mean of all measurements offBodyAcc_mean_Z from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

46. fBodyAcc_std_X

   f Body Acc std X

   Mean of all measurements offBodyAcc_std_X from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

47. fBodyAcc_std_Y

   f Body Acc std Y

   Mean of all measurements offBodyAcc_std_Y from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

48. fBodyAcc_std_Z

   f Body Acc std Z

   Mean of all measurements offBodyAcc_std_Z from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

49. fBodyAcc_meanFreq_X

   f Body Acc mean Freq X

   Mean of all measurements offBodyAcc_meanFreq_X from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

50. fBodyAcc_meanFreq_Y

   f Body Acc mean Freq Y

   Mean of all measurements offBodyAcc_meanFreq_Y from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

51. fBodyAcc_meanFreq_Z

   f Body Acc mean Freq Z

   Mean of all measurements offBodyAcc_meanFreq_Z from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

52. fBodyAccJerk_mean_X

     f Body Acc Jerk mean X

Mean of all measurements offBodyAccJerk_mean_X from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

53. fBodyAccJerk_mean_Y

     f Body Acc Jerk mean Y

Mean of all measurements offBodyAccJerk_mean_Y from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

54. fBodyAccJerk_mean_Z

     f Body Acc Jerk mean Z

Mean of all measurements offBodyAccJerk_mean_Z from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

55. fBodyAccJerk_std_X

     f Body Acc Jerk std X

Mean of all measurements offBodyAccJerk_std_X from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

56. fBodyAccJerk_std_Y

     f Body Acc Jerk std Y

Mean of all measurements offBodyAccJerk_std_Y from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

57. fBodyAccJerk_std_Z

f Body Acc Jerk std Z

Mean of all measurements offBodyAccJerk_std_Z from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

58. fBodyAccJerk_meanFreq_X

f Body Acc Jerk mean Freq X

Mean of all measurements offBodyAccJerk_meanFreq_X from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

59. fBodyAccJerk_meanFreq_Y

f Body Acc Jerk mean Freq Y

Mean of all measurements offBodyAccJerk_meanFreq_Y from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

60. fBodyAccJerk_meanFreq_Z

f Body Acc Jerk mean Freq Z

Mean of all measurements offBodyAccJerk_meanFreq_Z from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

61. fBodyGyro_mean_X

f Body Gyro mean X

Mean of all measurements offBodyGyro_mean_X from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

62. fBodyGyro_mean_Y

f Body Gyro mean Y

Mean of all measurements offBodyGyro_mean_Y from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

63. fBodyGyro_mean_Z

f Body Gyro mean Z

Mean of all measurements offBodyGyro_mean_Z from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

64. fBodyGyro_std_X

f Body Gyro std X

Mean of all measurements offBodyGyro_std_X from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

65. fBodyGyro_std_Y

f Body Gyro std Y

Mean of all measurements offBodyGyro_std_Y from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

66. fBodyGyro_std_Z

f Body Gyro std Z

Mean of all measurements offBodyGyro_std_Z from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

67. fBodyGyro_meanFreq_X

f Body Gyro mean Freq X

Mean of all measurements offBodyGyro_meanFreq_X from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

68. fBodyGyro_meanFreq_Y

f Body Gyro mean Freq Y

Mean of all measurements offBodyGyro_meanFreq_Y from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

69. fBodyGyro_meanFreq_Z

f Body Gyro mean Freq Z

Mean of all measurements offBodyGyro_meanFreq_Z from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

70. fBodyAccMag_mean

f Body Acc Mag mean

Mean of all measurements offBodyAccMag_mean from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

71. fBodyAccMag_std

f Body Acc Mag std

Mean of all measurements offBodyAccMag_std from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

72. fBodyAccMag_meanFreq

   f Body Acc Mag mean Freq

   Mean of all measurements offBodyAccMag_meanFreq from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

73. fBodyBodyAccJerkMag_mean

   f Body Body Acc Jerk Mag mean

   Mean of all measurements offBodyBodyAccJerkMag_mean from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

74. fBodyBodyAccJerkMag_std

   f Body Body Acc Jerk Mag std

   Mean of all measurements offBodyBodyAccJerkMag_std from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

75. fBodyBodyAccJerkMag_meanFreq

   f Body Body Acc Jerk Mag mean Freq

   Mean of all measurements offBodyBodyAccJerkMag_meanFreq from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

76. fBodyBodyGyroMag_mean

   f Body Body Gyro Mag mean

   Mean of all measurements offBodyBodyGyroMag_mean from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

77. fBodyBodyGyroMag_std

    f Body Body Gyro Mag std

    Mean of all measurements offBodyBodyGyroMag_std from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

78. fBodyBodyGyroMag_meanFreq

    f Body Body Gyro Mag mean Freq

    Mean of all measurements offBodyBodyGyroMag_meanFreq from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

79. fBodyBodyGyroJerkMag_mean

    f Body Body Gyro Jerk Mag mean

    Mean of all measurements offBodyBodyGyroJerkMag_mean from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

80. fBodyBodyGyroJerkMag_std

    f Body Body Gyro Jerk Mag std

    Mean of all measurements offBodyBodyGyroJerkMag_std from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

81. fBodyBodyGyroJerkMag_meanFreq

    f Body Body Gyro Jerk Mag mean Freq

    Mean of all measurements offBodyBodyGyroJerkMag_meanFreq from the same subject and activity in frequency domain obtained by applying Fast Fourier Transform

82. angle_tBodyAccMean_gravity

     angle t Body Acc Mean gravity

     Mean of all measurements ofangle_tBodyAccMean_gravity from the same subject and activity

83. angle_tBodyAccJerkMean_gravityMean

     angle t Body Acc Jerk Mean gravity Mean

     Mean of all measurements ofangle_tBodyAccJerkMean_gravityMean from the same subject and activity

84. angle_tBodyGyroMean_gravityMean

     angle t Body Gyro Mean gravity Mean

     Mean of all measurements ofangle_tBodyGyroMean_gravityMean from the same subject and activity

85. angle_tBodyGyroJerkMean_gravityMean

     angle t Body Gyro Jerk Mean gravity Mean

     Mean of all measurements ofangle_tBodyGyroJerkMean_gravityMean from the same subject and activity

86. angle_X_gravityMean

     angle X gravity Mean

     Mean of all measurements ofangle_X_gravityMean from the same subject and activity

87. angle_Y_gravityMean

angle Y gravity Mean

Mean of all measurements ofangle_Y_gravityMean from the same subject and activity

88. angle_Z_gravityMean

angle Z gravity Mean

Mean of all measurements ofangle_Z_gravityMean from the same subject and activity