CodeBook

1. subject: identity of the subjects and can be ranged from 1 to 30
2. activity: category of the activities and can be lying, sitting, standing, walking, walking downstairs and walking upstairs
3. tBodyAcc-mean()-X: mean of the X-axis of the body acceleration signal
4. tBodyAcc-mean()-Y: mean of the Y-axis of the body acceleration signal
5. tBodyAcc-mean()-Z: mean of the Z-axis of the body acceleration signal
6. tGravityAcc-mean()-X: mean of the X-axis of the gravity acceleration signal
7. tGravityAcc-mean()-Y: mean of the Y-axis of the gravity acceleration signal
8. tGravityAcc-mean()-Z: mean of the Z-axis of the gravity acceleration signal
9. tBodyAccJerk-mean()-X: mean of the X-axis of the gravity acceleration Jerk signal
10. tBodyAccJerk-mean()-Y: mean of the Y-axis of the gravity acceleration Jerk signal
11. tBodyAccJerk-mean()-Z: mean of the Z-axis of the gravity acceleration Jerk signal
12. tBodyGyro-mean()-X: mean of the X-axis of the gyroscope signal
13. tBodyGyro-mean()-Y: mean of the Y-axis of the gyroscope signal
14. tBodyGyro-mean()-Z: mean of the Z-axis of the gyroscope signal
15. tBodyGyroJerk-mean()-X: mean of the X-axis of the gyroscope Jerk signal
16. tBodyGyroJerk-mean()-Y: mean of the Y-axis of the gyroscope Jerk signal
17. tBodyGyroJerk-mean()-Z: mean of the Z-axis of the gyroscope Jerk signal
18. tBodyAccMag-mean(): mean of the magnitude of the body acceleration signal
19. tGravityAccMag-mean(): mean of the magnitude of the gravity acceleration signal
20. tBodyAccJerkMag-mean(): mean of the magnitude of the gravity acceleration Jerk signal
21. tBodyGyroMag-mean(): mean of the magnitude of the gyroscope signal
22. tBodyGyroJerkMag-mean(): mean of the magnitude of the gyroscope Jerk signal
23. fBodyAcc-mean()-X: mean of the Fast Fourier Transform of the X-axis of the body acceleration signal
24. fBodyAcc-mean()-Y: mean of the Fast Fourier Transform of the Y-axis of the body acceleration signal

25. fBodyAcc-mean()-Z: mean of the Fast Fourier Transform of the Z-axis of the body acceleration signal

26. fBodyAccJerk-mean()-X: mean of the Fast Fourier Transform of the X-axis of the body acceleration Jerk signal

27. fBodyAccJerk-mean()-Y: mean of the Fast Fourier Transform of the Y-axis of the body acceleration Jerk signal

28. fBodyAccJerk-mean()-Z: mean of the Fast Fourier Transform of the Z-axis of the body acceleration Jerk signal

29. fBodyGyro-mean()-X: mean of the Fast Fourier Transform of the X-axis of the gyroscope signal

30. fBodyGyro-mean()-Y: mean of the Fast Fourier Transform of the Y-axis of the gyroscope signal

31. fBodyGyro-mean()-Z: mean of the Fast Fourier Transform of the Z-axis of the gyroscope signal

32. fBodyAccMag-mean(): mean of the Fast Fourier Transform of the magnitude of the body acceleration Jerk signal

33. fBodyBodyAccJerkMag-mean()

34. fBodyBodyGyroMag-mean()

35. fBodyBodyGyroJerkMag-mean()

36. tBodyAcc-std()-X: standard deviation of the X-axis of the body acceleration signal

37. tBodyAcc-std()-Y: standard deviation of the Y-axis of the body acceleration signal

38. tBodyAcc-std()-Z: standard deviation of the Z-axis of the body acceleration signal

39. tGravityAcc-std()-X: standard deviation of the X-axis of the gravity acceleration signal

40. tGravityAcc-std()-Y: standard deviation of the Y-axis of the gravity acceleration signal

41. tGravityAcc-std()-Z: standard deviation of the Z-axis of the gravity acceleration signal

42. tBodyAccJerk-std()-X: standard deviation of the X-axis of the body acceleration Jerk signal

43. tBodyAccJerk-std()-Y: standard deviation of the Y-axis of the body acceleration Jerk signal

44. tBodyAccJerk-std()-Z: standard deviation of the Z-axis of the body acceleration Jerk signal

45. tBodyGyro-std()-X: standard deviation of the X-axis of the body gyroscope signal

46. tBodyGyro-std()-Y: standard deviation of the Y-axis of the body gyroscope signal

47. tBodyGyro-std()-Z: standard deviation of the Z-axis of the body gyroscope signal

48. tBodyGyroJerk-std()-X: standard deviation of the X-axis of the body gyroscope Jerk signal

49. tBodyGyroJerk-std()-Y: standard deviation of the Y-axis of the body gyroscope Jerk signal

50. tBodyGyroJerk-std()-Z: standard deviation of the Z-axis of the body gyroscope Jerk signal

51. tBodyAccMag-std(): standard deviation of the magnitude of the body acceleration signal

52. tGravityAccMag-std(): standard deviation of the magnitude of the gravity acceleration signal

53. tBodyAccJerkMag-std(): standard deviation of the magnitude of the body acceleration Jerk signal

54. tBodyGyroMag-std(): standard deviation of the magnitude of the body gyroscope signal

55. tBodyGyroJerkMag-std(): standard deviation of the magnitude of the body gyroscope Jerk signal

56. fBodyAcc-std()-X: standard deviation of the Fast Fourier Transform of the X-axis of the body acceleration signal

57. fBodyAcc-std()-Y: standard deviation of the Fast Fourier Transform of the Y-axis of the body acceleration signal

58. fBodyAcc-std()-Z: standard deviation of the Fast Fourier Transform of the Z-axis of the body acceleration signal

59. fBodyAccJerk-std()-X: standard deviation of the Fast Fourier Transform of the X-axis of the body acceleration Jerk signal

60. fBodyAccJerk-std()-Y: standard deviation of the Fast Fourier Transform of the Y-axis of the body acceleration Jerk signal

61. fBodyAccJerk-std()-Z: standard deviation of the Fast Fourier Transform of the Z-axis of the body acceleration Jerk signal

62. fBodyGyro-std()-X: standard deviation of the X-axis of the body gyroscope signal

63. fBodyGyro-std()-Y: standard deviation of the Y-axis of the body gyroscope signal

64. fBodyGyro-std()-Z: standard deviation of the Z-axis of the body gyroscope signal

65. fBodyAccMag-std(): standard deviation of the magnitude of the body acceleration signal

66. fBodyBodyAccJerkMag-std

67. fBodyBodyGyroMag-std

68. fBodyBodyGyroJerkMag-std