run\_analysis.R

les

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run\_analysis<-  
{  
 ##Read the test data X gives the measures for each variable  
 x<-read.table("./test/X\_test.txt")  
 ##Read the test data Y gives a numberic value 1:6 for each activity   
 y<-read.table("./test/Y\_test.txt")  
   
 ## Convert each of the numbers 1:6 to it description  
 attach(y)  
 y$V1[V1 == 1] <- "Walking"  
 y$V1[V1 == 2] <- "Walkingupstairs"  
 y$V1[V1 == 3] <- "Walkingdownstairs"  
 y$V1[V1 == 4] <- "sitting"  
 y$V1[V1 == 5] <- "standing"  
 y$V1[V1 == 6] <- "laying"  
 detach(y)  
 ##Read the subjects 1:30 match to the activities   
 s<-read.table("./test/subject\_test.txt")  
   
 ##Merge each of the tables into a single table using cbind  
   
 test\_data1<-cbind(y,x)  
 test\_data<-cbind(s,test\_data1)  
   
 ##repeat the process to create a single data frame for the training data   
   
 ##Read the test data X gives the measures for each variable   
 x<-read.table("./train/X\_train.txt")  
 ##Read the test data Y gives a numberic value 1:6 for each activity   
 y<-read.table("./train/Y\_train.txt")  
   
 ## Convert each of the numbers 1:6 to it description  
 attach(y)  
 y$V1[V1 == 1] <- "Walking"  
 y$V1[V1 == 2] <- "Walkingupstairs"  
 y$V1[V1 == 3] <- "Walkingdownstairs"  
 y$V1[V1 == 4] <- "sitting"  
 y$V1[V1 == 5] <- "standing"  
 y$V1[V1 == 6] <- "laying"  
 detach(y)  
 ##Read the subjects 1:30 match to the activities   
 s<-read.table("./train/subject\_train.txt")  
   
 ##Merge each of the tables into a single table using cbind  
 train\_data1<-cbind(y,x)  
 train\_data<-cbind(s,train\_data1)  
   
 ##Merge the training and test data into a single data frame  
   
 full\_data<-rbind(test\_data,train\_data)  
   
 ##Change the headings for each column to the name of the appropriate feature  
   
 names<-read.table("features.txt")  
 newnames<-as.character(names$V2)  
   
 ##To complete the data frame the first two columns need to be included Subject and Activity   
 sub\_act<-c("subject","activity")  
 variables<-c(sub\_act,newnames)  
   
 ##Complete the change for column names   
 names(full\_data)<-variables  
 names(full\_data)  
   
 ##Select out only the features which refer to mean and standard deviation   
 get<-grep("mean|std",names(full\_data))  
   
 ## create a Data Frame which only contains the mean and standard deviation of features  
 get1<-c(1:2,get)  
 get\_data<-full\_data[,get1]  
   
 ##Discovered that above also contains a feature meanFreq, these are to be removed   
   
 mf<-grep("meanFreq",names(get\_data))  
 mean.std<-get\_data[,-mf]  
   
 ##Final step, establish the mean of each variable for each activity and each subject using the plyr package, this needs to installed and loaded  
 ##call the tidy data "project-tidy\_data  
 library(plyr)  
 project\_tidy\_data<-ddply(mean.std, .(subject,activity), numcolwise(mean))  
 ##save the Data Frame to the project folder in a csv format  
 write.csv(project\_tidy\_data,"project\_tidy\_data.csv")  
 print("File Name: project\_tidy\_data")  
 print(project\_tidy\_data)  
}

## [1] "File Name: project\_tidy\_data"  
## subject activity tBodyAcc-mean()-X tBodyAcc-mean()-Y  
## 1 1 laying 0.2216 -0.040514  
## 2 1 sitting 0.2612 -0.001308  
## 3 1 standing 0.2789 -0.016138  
## 4 1 Walking 0.2773 -0.017384  
## 5 1 Walkingdownstairs 0.2892 -0.009919  
## 6 1 Walkingupstairs 0.2555 -0.023953  
## 7 2 laying 0.2814 -0.018159  
## 8 2 sitting 0.2771 -0.015688  
## 9 2 standing 0.2779 -0.018421  
## 10 2 Walking 0.2764 -0.018595  
## 11 2 Walkingdownstairs 0.2776 -0.022661  
## 12 2 Walkingupstairs 0.2472 -0.021412  
## 13 3 laying 0.2755 -0.018956  
## 14 3 sitting 0.2572 -0.003503  
## 15 3 standing 0.2800 -0.014338  
## 16 3 Walking 0.2756 -0.017177  
## 17 3 Walkingdownstairs 0.2924 -0.019355  
## 18 3 Walkingupstairs 0.2608 -0.032411  
## 19 4 laying 0.2636 -0.015003  
## 20 4 sitting 0.2715 -0.007163  
## 21 4 standing 0.2805 -0.009489  
## 22 4 Walking 0.2786 -0.014840  
## 23 4 Walkingdownstairs 0.2800 -0.009802  
## 24 4 Walkingupstairs 0.2709 -0.031980  
## 25 5 laying 0.2783 -0.018304  
## 26 5 sitting 0.2737 -0.009901  
## 27 5 standing 0.2825 -0.007004  
## 28 5 Walking 0.2778 -0.017285  
## 29 5 Walkingdownstairs 0.2935 -0.008501  
## 30 5 Walkingupstairs 0.2685 -0.032527  
## 31 6 laying 0.2487 -0.010253  
## 32 6 sitting 0.2768 -0.014591  
## 33 6 standing 0.2803 -0.018124  
## 34 6 Walking 0.2837 -0.016895  
## 35 6 Walkingdownstairs 0.2770 -0.019537  
## 36 6 Walkingupstairs 0.2682 -0.027243  
## 37 7 laying 0.2502 -0.020441  
## 38 7 sitting 0.2847 -0.014611  
## 39 7 standing 0.2827 -0.014574  
## 40 7 Walking 0.2756 -0.018654  
## 41 7 Walkingdownstairs 0.2803 -0.016633  
## 42 7 Walkingupstairs 0.2487 -0.027564  
## 43 8 laying 0.2613 -0.021228  
## 44 8 sitting 0.2675 -0.006726  
## 45 8 standing 0.2796 -0.014811  
## 46 8 Walking 0.2747 -0.018663  
## 47 8 Walkingdownstairs 0.2835 -0.021106  
## 48 8 Walkingupstairs 0.2589 -0.028242  
## 49 9 laying 0.2592 -0.020527  
## 50 9 sitting 0.2483 -0.027017  
## 51 9 standing 0.2823 -0.020045  
## 52 9 Walking 0.2785 -0.018089  
## 53 9 Walkingdownstairs 0.2959 -0.020399  
## 54 9 Walkingupstairs 0.2624 -0.019510  
## 55 10 laying 0.2802 -0.024294  
## 56 10 sitting 0.2706 -0.015043  
## 57 10 standing 0.2767 -0.015542  
## 58 10 Walking 0.2786 -0.017022  
## 59 10 Walkingdownstairs 0.2904 -0.020005  
## 60 10 Walkingupstairs 0.2671 -0.014385  
## 61 11 laying 0.2806 -0.017660  
## 62 11 sitting 0.2766 -0.014920  
## 63 11 standing 0.2777 -0.017199  
## 64 11 Walking 0.2718 -0.016648  
## 65 11 Walkingdownstairs 0.2916 -0.017810  
## 66 11 Walkingupstairs 0.2638 -0.030316  
## 67 12 laying 0.2601 -0.017520  
## 68 12 sitting 0.2750 -0.015789  
## 69 12 standing 0.2774 -0.016900  
## 70 12 Walking 0.2771 -0.015561  
## 71 12 Walkingdownstairs 0.2815 -0.018084  
## 72 12 Walkingupstairs 0.2730 -0.026357  
## 73 13 laying 0.2767 -0.020440  
## 74 13 sitting 0.2743 -0.005877  
## 75 13 standing 0.2778 -0.016789  
## 76 13 Walking 0.2759 -0.018566  
## 77 13 Walkingdownstairs 0.2949 -0.014372  
## 78 13 Walkingupstairs 0.2582 -0.027739  
## 79 14 laying 0.2333 -0.011342  
## 80 14 sitting 0.2800 -0.008706  
## 81 14 standing 0.2805 -0.015208  
## 82 14 Walking 0.2720 -0.021779  
## 83 14 Walkingdownstairs 0.2934 -0.020014  
## 84 14 Walkingupstairs 0.2624 -0.020439  
## 85 15 laying 0.2895 -0.016630  
## 86 15 sitting 0.2729 -0.011719  
## 87 15 standing 0.2789 -0.018352  
## 88 15 Walking 0.2739 -0.017081  
## 89 15 Walkingdownstairs 0.2802 -0.005630  
## 90 15 Walkingupstairs 0.2702 -0.028752  
## 91 16 laying 0.2742 -0.016610  
## 92 16 sitting 0.2808 -0.010250  
## 93 16 standing 0.2835 -0.016600  
## 94 16 Walking 0.2760 -0.020429  
## 95 16 Walkingdownstairs 0.2956 -0.018390  
## 96 16 Walkingupstairs 0.2560 -0.014365  
## 97 17 laying 0.2698 -0.016846  
## 98 17 sitting 0.2774 -0.014156  
## 99 17 standing 0.2779 -0.017412  
## 100 17 Walking 0.2723 -0.018488  
## 101 17 Walkingdownstairs 0.2939 -0.016736  
## 102 17 Walkingupstairs 0.2526 -0.022865  
## 103 18 laying 0.2747 -0.017394  
## 104 18 sitting 0.2773 -0.012869  
## 105 18 standing 0.2785 -0.016635  
## 106 18 Walking 0.2739 -0.017802  
## 107 18 Walkingdownstairs 0.2884 -0.016867  
## 108 18 Walkingupstairs 0.2654 -0.022206  
## 109 19 laying 0.2727 -0.017143  
## 110 19 sitting 0.2738 -0.016739  
## 111 19 standing 0.2782 -0.015424  
## 112 19 Walking 0.2739 -0.019177  
## 113 19 Walkingdownstairs 0.2627 -0.014594  
## 114 19 Walkingupstairs 0.2421 -0.030399  
## 115 20 laying 0.2395 -0.014441  
## 116 20 sitting 0.2780 -0.014723  
## 117 20 standing 0.2781 -0.018070  
## 118 20 Walking 0.2726 -0.021200  
## 119 20 Walkingdownstairs 0.2961 -0.009641  
## 120 20 Walkingupstairs 0.2521 -0.028226  
## 121 21 laying 0.2713 -0.018423  
## 122 21 sitting 0.2775 -0.014401  
## 123 21 standing 0.2770 -0.016708  
## 124 21 Walking 0.2792 -0.018161  
## 125 21 Walkingdownstairs 0.3015 -0.017320  
## 126 21 Walkingupstairs 0.2652 -0.023722  
## 127 22 laying 0.2800 -0.014263  
## 128 22 sitting 0.2736 -0.012347  
## 129 22 standing 0.2791 -0.015856  
## 130 22 Walking 0.2789 -0.016721  
## 131 22 Walkingdownstairs 0.2845 -0.019800  
## 132 22 Walkingupstairs 0.2484 -0.026862  
## 133 23 laying 0.2740 -0.021655  
## 134 23 sitting 0.2734 -0.013395  
## 135 23 standing 0.2779 -0.017748  
## 136 23 Walking 0.2732 -0.018362  
## 137 23 Walkingdownstairs 0.2899 -0.016211  
## 138 23 Walkingupstairs 0.2500 -0.032384  
## 139 24 laying 0.2729 -0.017356  
## 140 24 sitting 0.2735 -0.013126  
## 141 24 standing 0.2803 -0.014479  
## 142 24 Walking 0.2770 -0.022545  
## 143 24 Walkingdownstairs 0.2886 -0.014573  
## 144 24 Walkingupstairs 0.2699 -0.025198  
## 145 25 laying 0.2508 -0.018894  
## 146 25 sitting 0.2785 -0.014770  
## 147 25 standing 0.2780 -0.016357  
## 148 25 Walking 0.2790 -0.018648  
## 149 25 Walkingdownstairs 0.2913 -0.021017  
## 150 25 Walkingupstairs 0.2780 -0.026986  
## 151 26 laying 0.2716 -0.019190  
## 152 26 sitting 0.2582 -0.007134  
## 153 26 standing 0.2811 -0.016661  
## 154 26 Walking 0.2793 -0.015426  
## 155 26 Walkingdownstairs 0.2793 -0.012626  
## 156 26 Walkingupstairs 0.2727 -0.028163  
## 157 27 laying 0.2741 -0.017987  
## 158 27 sitting 0.2739 -0.015527  
## 159 27 standing 0.2796 -0.016593  
## 160 27 Walking 0.2768 -0.016648  
## 161 27 Walkingdownstairs 0.2975 -0.013556  
## 162 27 Walkingupstairs 0.2658 -0.020095  
## 163 28 laying 0.2759 -0.016754  
## 164 28 sitting 0.2770 -0.018540  
## 165 28 standing 0.2778 -0.017264  
## 166 28 Walking 0.2812 -0.015676  
## 167 28 Walkingdownstairs 0.2936 -0.022023  
## 168 28 Walkingupstairs 0.2620 -0.027944  
## 169 29 laying 0.2873 -0.017197  
## 170 29 sitting 0.2772 -0.016631  
## 171 29 standing 0.2780 -0.017261  
## 172 29 Walking 0.2720 -0.016292  
## 173 29 Walkingdownstairs 0.2931 -0.014941  
## 174 29 Walkingupstairs 0.2654 -0.029947  
## 175 30 laying 0.2810 -0.019449  
## 176 30 sitting 0.2683 -0.008047  
## 177 30 standing 0.2771 -0.017016  
## 178 30 Walking 0.2764 -0.017588  
## 179 30 Walkingdownstairs 0.2832 -0.017438  
## 180 30 Walkingupstairs 0.2714 -0.025331  
## tBodyAcc-mean()-Z tBodyAcc-std()-X tBodyAcc-std()-Y tBodyAcc-std()-Z  
## 1 -0.11320 -0.928056 -0.836827 -0.826061  
## 2 -0.10454 -0.977229 -0.922619 -0.939586  
## 3 -0.11060 -0.995760 -0.973190 -0.979776  
## 4 -0.11115 -0.283740 0.114461 -0.260028  
## 5 -0.10757 0.030035 -0.031936 -0.230434  
## 6 -0.09730 -0.354708 -0.002320 -0.019479  
## 7 -0.10725 -0.974059 -0.980277 -0.984233  
## 8 -0.10922 -0.986822 -0.950704 -0.959828  
## 9 -0.10591 -0.987272 -0.957305 -0.949742  
## 10 -0.10550 -0.423643 -0.078091 -0.425258  
## 11 -0.11681 0.046367 0.262882 -0.102838  
## 12 -0.15251 -0.304376 0.108027 -0.112121  
## 13 -0.10130 -0.982777 -0.962058 -0.963691  
## 14 -0.09836 -0.971010 -0.856618 -0.875110  
## 15 -0.10162 -0.966743 -0.893449 -0.911419  
## 16 -0.11267 -0.360357 -0.069914 -0.387412  
## 17 -0.11614 -0.057410 -0.033150 -0.362240  
## 18 -0.11006 -0.313123 0.011628 -0.369755  
## 19 -0.11069 -0.954194 -0.941714 -0.962667  
## 20 -0.10587 -0.980310 -0.890224 -0.932203  
## 21 -0.09616 -0.976921 -0.861597 -0.896881  
## 22 -0.11140 -0.440830 -0.078827 -0.586253  
## 23 -0.10678 0.011194 -0.218598 -0.479186  
## 24 -0.11422 -0.204933 -0.066690 -0.372138  
## 25 -0.10794 -0.965935 -0.969296 -0.968563  
## 26 -0.10854 -0.980945 -0.904335 -0.926095  
## 27 -0.10217 -0.968592 -0.869440 -0.869327  
## 28 -0.10774 -0.294099 0.076748 -0.457021  
## 29 -0.10032 0.275046 0.090763 -0.325891  
## 30 -0.10747 -0.045724 0.185022 -0.308939  
## 31 -0.13312 -0.934049 -0.924645 -0.925216  
## 32 -0.11013 -0.980165 -0.923682 -0.925797  
## 33 -0.11217 -0.981758 -0.921493 -0.925692  
## 34 -0.11030 -0.296539 0.164214 -0.504324  
## 35 -0.10721 0.383682 0.360165 -0.320204  
## 36 -0.12208 -0.050135 0.189276 -0.353520  
## 37 -0.10136 -0.936514 -0.926263 -0.952978  
## 38 -0.12246 -0.972668 -0.909455 -0.856533  
## 39 -0.09978 -0.979308 -0.923401 -0.917064  
## 40 -0.11091 -0.327243 -0.077262 0.159631  
## 41 -0.09694 0.066082 -0.138179 -0.063640  
## 42 -0.14377 -0.294873 -0.326160 -0.145665  
## 43 -0.10225 -0.943041 -0.934891 -0.932491  
## 44 -0.10446 -0.979026 -0.927332 -0.939553  
## 45 -0.10611 -0.988815 -0.938479 -0.926065  
## 46 -0.10725 -0.173606 0.380782 -0.142089  
## 47 -0.10760 0.024139 0.343826 0.133717  
## 48 -0.11512 -0.171712 0.348769 0.121187  
## 49 -0.10755 -0.942333 -0.916293 -0.940707  
## 50 -0.07538 -0.957228 -0.875141 -0.832002  
## 51 -0.09527 -0.975741 -0.938636 -0.919296  
## 52 -0.11082 -0.238354 -0.201697 -0.057964  
## 53 -0.09103 0.213392 -0.208311 -0.007715  
## 54 -0.12522 -0.361444 -0.302206 -0.253434  
## 55 -0.11717 -0.968284 -0.946454 -0.959471  
## 56 -0.10425 -0.982902 -0.917980 -0.967827  
## 57 -0.10796 -0.978403 -0.919562 -0.941271  
## 58 -0.10906 -0.178710 -0.022743 -0.395645  
## 59 -0.11085 0.295734 0.004079 -0.183558  
## 60 -0.11818 -0.161592 -0.005553 -0.073874  
## 61 -0.10879 -0.984777 -0.972197 -0.971311  
## 62 -0.11284 -0.982797 -0.921402 -0.968370  
## 63 -0.10869 -0.994979 -0.964173 -0.986383  
## 64 -0.10610 -0.422842 -0.052212 -0.530626  
## 65 -0.11107 0.142457 0.070812 -0.324027  
## 66 -0.10680 -0.238803 -0.103168 -0.203369  
## 67 -0.10816 -0.955319 -0.949072 -0.948334  
## 68 -0.10631 -0.982569 -0.928581 -0.939662  
## 69 -0.10553 -0.981244 -0.923140 -0.920685  
## 70 -0.10316 -0.128899 -0.122783 -0.410606  
## 71 -0.10956 0.042408 0.110835 -0.425017  
## 72 -0.10734 -0.290149 -0.103818 -0.436697  
## 73 -0.10433 -0.968892 -0.950948 -0.950393  
## 74 -0.09725 -0.989546 -0.938968 -0.938641  
## 75 -0.11212 -0.991021 -0.949422 -0.967538  
## 76 -0.11143 -0.346980 0.141867 -0.220504  
## 77 -0.10199 -0.068156 -0.032125 -0.158333  
## 78 -0.12577 -0.296285 0.104471 -0.217211  
## 79 -0.08683 -0.917502 -0.909697 -0.900332  
## 80 -0.10040 -0.976302 -0.914936 -0.922775  
## 81 -0.10382 -0.973269 -0.928526 -0.922276  
## 82 -0.10676 -0.402639 -0.053613 0.051884  
## 83 -0.09283 0.017831 0.378870 0.451576  
## 84 -0.11228 -0.309397 0.307196 0.609018  
## 85 -0.11853 -0.972256 -0.962759 -0.929587  
## 86 -0.11366 -0.987084 -0.922407 -0.949338  
## 87 -0.10591 -0.988949 -0.931900 -0.951670  
## 88 -0.10762 -0.327962 0.138913 -0.518933  
## 89 -0.11053 0.406471 0.186532 -0.281982  
## 90 -0.11695 -0.026097 -0.004065 -0.379717  
## 91 -0.10731 -0.973691 -0.943061 -0.965490  
## 92 -0.08914 -0.986826 -0.951608 -0.939672  
## 93 -0.10366 -0.989077 -0.960298 -0.953469  
## 94 -0.10880 -0.404693 -0.314570 -0.159800  
## 95 -0.11987 0.207252 -0.146994 0.011435  
## 96 -0.12407 -0.397084 -0.163733 -0.129284  
## 97 -0.10701 -0.972961 -0.944793 -0.953477  
## 98 -0.11362 -0.994444 -0.961859 -0.965729  
## 99 -0.11143 -0.991164 -0.968177 -0.970463  
## 100 -0.10979 -0.319500 -0.017580 -0.265824  
## 101 -0.08924 0.187720 -0.060789 -0.231064  
## 102 -0.12129 -0.062953 -0.013172 -0.230221  
## 103 -0.10770 -0.984528 -0.986161 -0.987659  
## 104 -0.11190 -0.994348 -0.974928 -0.977573  
## 105 -0.10845 -0.992020 -0.954223 -0.961874  
## 106 -0.10422 -0.376006 -0.227006 -0.428348  
## 107 -0.10339 -0.302635 -0.254214 -0.418610  
## 108 -0.11266 -0.380168 -0.211155 -0.314373  
## 109 -0.10898 -0.965020 -0.973450 -0.984673  
## 110 -0.10871 -0.976358 -0.950389 -0.951930  
## 111 -0.10904 -0.989911 -0.944430 -0.952600  
## 112 -0.12274 -0.048905 0.181802 -0.139478  
## 113 -0.13370 0.626917 0.514816 0.049322  
## 114 -0.15105 -0.128742 0.176350 -0.190469  
## 115 -0.10427 -0.962249 -0.964098 -0.972572  
## 116 -0.10837 -0.983082 -0.936123 -0.929106  
## 117 -0.10040 -0.967210 -0.875410 -0.913142  
## 118 -0.11354 -0.208343 0.489772 -0.228734  
## 119 -0.10460 0.074510 0.616937 -0.160939  
## 120 -0.12102 -0.116089 0.152196 -0.229249  
## 121 -0.10325 -0.955020 -0.956959 -0.945654  
## 122 -0.11206 -0.991777 -0.966878 -0.959568  
## 123 -0.11042 -0.981420 -0.943602 -0.946123  
## 124 -0.10432 -0.297815 0.054088 -0.168689  
## 125 -0.09817 0.224343 0.301336 -0.071789  
## 126 -0.12541 -0.240808 0.109787 -0.219708  
## 127 -0.11080 -0.947735 -0.913276 -0.942946  
## 128 -0.10583 -0.978467 -0.928059 -0.917565  
## 129 -0.10497 -0.985001 -0.922693 -0.942202  
## 130 -0.10711 -0.008659 0.100384 -0.213352  
## 131 -0.10742 0.348618 0.239812 -0.325723  
## 132 -0.11755 0.083574 0.250068 -0.109613  
## 133 -0.10426 -0.956756 -0.976310 -0.973223  
## 134 -0.10381 -0.987608 -0.934934 -0.905584  
## 135 -0.11060 -0.985422 -0.958444 -0.929410  
## 136 -0.11338 -0.313522 -0.119021 0.164221  
## 137 -0.09881 0.044139 0.108259 0.229899  
## 138 -0.12689 -0.243888 0.044844 0.100801  
## 139 -0.10724 -0.967984 -0.983126 -0.973567  
## 140 -0.10304 -0.990594 -0.956256 -0.957056  
## 141 -0.10822 -0.987256 -0.936872 -0.930284  
## 142 -0.11060 -0.470762 -0.154127 -0.288840  
## 143 -0.10482 -0.082732 -0.102607 -0.205566  
## 144 -0.11425 -0.344399 -0.116804 -0.255601  
## 145 -0.10043 -0.909116 -0.691771 -0.717262  
## 146 -0.10916 -0.991893 -0.947458 -0.965140  
## 147 -0.10735 -0.991970 -0.954569 -0.964643  
## 148 -0.10874 -0.596007 -0.161852 -0.437133  
## 149 -0.10719 -0.253757 -0.140541 -0.457972  
## 150 -0.12621 -0.459776 -0.223087 -0.296524  
## 151 -0.10500 -0.969445 -0.983231 -0.984500  
## 152 -0.09744 -0.979769 -0.940799 -0.950004  
## 153 -0.11024 -0.993069 -0.949466 -0.962988  
## 154 -0.10893 -0.340186 -0.136351 -0.333487  
## 155 -0.10644 0.173954 -0.011630 -0.284808  
## 156 -0.12194 -0.169007 -0.049173 -0.404597  
## 157 -0.10770 -0.978455 -0.983736 -0.986637  
## 158 -0.10552 -0.988580 -0.971579 -0.965859  
## 159 -0.10784 -0.991952 -0.955171 -0.962408  
## 160 -0.11282 -0.348476 -0.187301 -0.297318  
## 161 -0.11284 0.167408 -0.097971 -0.240041  
## 162 -0.12353 -0.295440 -0.095010 -0.230708  
## 163 -0.10834 -0.968888 -0.945387 -0.956450  
## 164 -0.11152 -0.983273 -0.939905 -0.936667  
## 165 -0.10658 -0.977749 -0.875689 -0.905124  
## 166 -0.10371 -0.293004 -0.117886 -0.300928  
## 167 -0.10859 0.125713 0.156497 -0.341032  
## 168 -0.12151 -0.242062 -0.146754 -0.285987  
## 169 -0.10946 -0.984220 -0.990241 -0.987255  
## 170 -0.11041 -0.990745 -0.963222 -0.968064  
## 171 -0.10866 -0.996069 -0.969296 -0.980207  
## 172 -0.10663 -0.174338 -0.091754 -0.242828  
## 173 -0.09813 0.167384 -0.122463 -0.223178  
## 174 -0.11800 -0.086772 -0.122128 0.099544  
## 175 -0.10366 -0.976363 -0.954202 -0.967044  
## 176 -0.09952 -0.983623 -0.937857 -0.950654  
## 177 -0.10876 -0.977559 -0.891655 -0.912851  
## 178 -0.09862 -0.346394 -0.173550 -0.120477  
## 179 -0.09998 -0.057770 -0.027263 -0.217276  
## 180 -0.12470 -0.350504 -0.127311 0.024947  
## tGravityAcc-mean()-X tGravityAcc-mean()-Y tGravityAcc-mean()-Z  
## 1 -0.2489 0.705550 0.445818  
## 2 0.8315 0.204412 0.332044  
## 3 0.9430 -0.272984 0.013491  
## 4 0.9352 -0.282165 -0.068103  
## 5 0.9319 -0.266610 -0.062120  
## 6 0.8934 -0.362153 -0.075403  
## 7 -0.5098 0.752537 0.646835  
## 8 0.9405 -0.105630 0.198727  
## 9 0.8969 -0.370063 0.129747  
## 10 0.9130 -0.346607 0.084727  
## 11 0.8618 -0.325780 -0.043889  
## 12 0.7907 -0.416215 -0.195888  
## 13 -0.2418 0.837032 0.488703  
## 14 0.9011 0.127303 0.139021  
## 15 0.9350 -0.301735 0.024763  
## 16 0.9365 -0.261986 -0.138108  
## 17 0.9391 -0.228829 -0.102353  
## 18 0.8835 -0.382851 -0.162944  
## 19 -0.4207 0.915165 0.341531  
## 20 0.8693 0.211623 0.110120  
## 21 0.9562 -0.075901 0.166894  
## 22 0.9640 -0.085854 0.127764  
## 23 0.9477 -0.062085 0.148715  
## 24 0.9463 -0.232944 0.084168  
## 25 -0.4835 0.954890 0.263645  
## 26 0.8807 0.168446 0.143007  
## 27 0.9602 -0.038710 0.138638  
## 28 0.9726 -0.100440 0.002476  
## 29 0.9566 -0.060758 0.021678  
## 30 0.9368 -0.265943 -0.023204  
## 31 -0.4767 0.956594 0.175868  
## 32 0.9337 0.068263 0.069522  
## 33 0.9451 -0.230251 0.013919  
## 34 0.9581 -0.214695 0.033189  
## 35 0.9285 -0.214046 -0.003080  
## 36 0.9136 -0.340733 -0.018461  
## 37 -0.5028 0.393444 0.907538  
## 38 0.9691 0.006088 0.064964  
## 39 0.9587 -0.117607 -0.051657  
## 40 0.9326 -0.159097 -0.160847  
## 41 0.9306 -0.129872 -0.154936  
## 42 0.8187 -0.240951 -0.403600  
## 43 -0.4059 0.589922 0.719832  
## 44 0.8325 0.240095 0.263895  
## 45 0.9577 -0.090460 -0.097939  
## 46 0.9136 -0.217102 -0.186268  
## 47 0.9140 -0.187610 -0.141818  
## 48 0.8604 -0.291341 -0.192307  
## 49 -0.5803 -0.119154 0.957873  
## 50 0.9163 -0.041426 0.085263  
## 51 0.9613 -0.010384 0.009148  
## 52 0.9519 -0.031434 -0.115856  
## 53 0.9384 -0.035230 -0.082276  
## 54 0.9026 -0.037795 -0.266010  
## 55 -0.4531 -0.139298 -0.031122  
## 56 0.7919 -0.041261 0.202535  
## 57 0.9540 -0.043160 0.034698  
## 58 0.9631 -0.083828 0.054928  
## 59 0.9398 -0.064616 0.041872  
## 60 0.9319 -0.056567 0.022753  
## 61 -0.1348 0.943018 0.112620  
## 62 0.8720 0.213716 0.188532  
## 63 0.9565 -0.173083 0.127198  
## 64 0.9465 -0.212046 0.134053  
## 65 0.9417 -0.200322 0.132372  
## 66 0.8926 -0.343577 0.146634  
## 67 -0.3786 0.803379 0.275043  
## 68 0.9262 0.083051 0.088564  
## 69 0.9573 -0.218865 -0.039538  
## 70 0.9669 -0.155983 -0.036084  
## 71 0.9499 -0.178702 -0.056105  
## 72 0.9384 -0.259144 -0.070250  
## 73 -0.1569 0.656401 0.598885  
## 74 0.9256 0.101770 0.075777  
## 75 0.9427 -0.239943 -0.052486  
## 76 0.9109 -0.283659 -0.131300  
## 77 0.9419 -0.211555 -0.095082  
## 78 0.8476 -0.357405 -0.207507  
## 79 -0.1455 0.485397 0.836563  
## 80 0.9390 -0.036453 -0.094597  
## 81 0.8753 -0.226692 -0.338175  
## 82 0.8030 -0.270315 -0.422495  
## 83 0.8163 -0.264255 -0.392556  
## 84 0.6883 -0.322680 -0.495089  
## 85 -0.1720 0.899243 -0.036919  
## 86 0.8904 0.210849 0.002816  
## 87 0.9655 -0.164713 0.064598  
## 88 0.9515 -0.233918 0.075736  
## 89 0.9323 -0.167462 0.078882  
## 90 0.9185 -0.314961 0.081180  
## 91 -0.2068 -0.019927 0.893884  
## 92 0.9425 -0.086588 0.089268  
## 93 0.9416 -0.057887 -0.166737  
## 94 0.9260 -0.066825 -0.217351  
## 95 0.9178 -0.058483 -0.225382  
## 96 0.8269 -0.080593 -0.379060  
## 97 -0.1991 0.658792 0.722658  
## 98 0.9449 -0.002815 -0.135804  
## 99 0.9047 -0.257487 -0.202688  
## 100 0.9281 -0.179927 -0.190266  
## 101 0.9288 -0.151077 -0.160963  
## 102 0.8535 -0.284154 -0.298171  
## 103 -0.2206 0.719755 0.605495  
## 104 0.9098 0.129886 0.161877  
## 105 0.9476 -0.204206 -0.048577  
## 106 0.9239 -0.254317 -0.060931  
## 107 0.9323 -0.225809 -0.049364  
## 108 0.8833 -0.316620 -0.106113  
## 109 -0.6800 0.725647 0.687624  
## 110 0.5814 0.360344 0.489127  
## 111 0.9440 -0.223898 0.130644  
## 112 0.9352 -0.223338 -0.089843  
## 113 0.8819 -0.215018 -0.126147  
## 114 0.8294 -0.387101 -0.221009  
## 115 -0.4724 0.864883 0.477573  
## 116 0.9245 0.073339 0.151679  
## 117 0.9112 -0.305939 0.070866  
## 118 0.9000 -0.344444 -0.035130  
## 119 0.9197 -0.277420 -0.028259  
## 120 0.7771 -0.479895 -0.130118  
## 121 -0.1743 0.599993 0.788251  
## 122 0.9400 0.021521 -0.056777  
## 123 0.8812 -0.346156 -0.207686  
## 124 0.8625 -0.370985 -0.220948  
## 125 0.8727 -0.356673 -0.187870  
## 126 0.7812 -0.432310 -0.309735  
## 127 -0.4185 0.632484 0.771904  
## 128 0.8393 0.208554 0.315551  
## 129 0.9541 -0.226419 0.032382  
## 130 0.9361 -0.259645 0.023378  
## 131 0.9218 -0.222215 0.041299  
## 132 0.8895 -0.336827 -0.095798  
## 133 -0.3916 0.438434 0.918783  
## 134 0.9365 0.121751 0.063011  
## 135 0.9199 -0.117401 -0.223631  
## 136 0.9398 -0.161761 -0.160763  
## 137 0.9237 -0.110029 -0.153672  
## 138 0.8434 -0.214482 -0.355934  
## 139 -0.3593 0.738431 0.683840  
## 140 0.9196 0.182255 0.109560  
## 141 0.9664 -0.145201 -0.053059  
## 142 0.9597 -0.115116 -0.140910  
## 143 0.9509 -0.128327 -0.140123  
## 144 0.9064 -0.237498 -0.227135  
## 145 -0.4611 0.620659 0.526354  
## 146 0.8657 0.208287 0.167141  
## 147 0.9298 -0.159317 0.201182  
## 148 0.9375 -0.127316 0.188416  
## 149 0.9296 -0.072427 0.218796  
## 150 0.9277 -0.217641 0.108231  
## 151 -0.6213 0.803015 0.614523  
## 152 0.7830 0.223106 0.314388  
## 153 0.9655 -0.140315 0.088414  
## 154 0.9606 -0.133922 0.108739  
## 155 0.9468 -0.079900 0.153906  
## 156 0.9421 -0.246170 -0.001993  
## 157 -0.5304 0.567879 0.845392  
## 158 0.8395 0.212947 0.276417  
## 159 0.9654 -0.188505 -0.005574  
## 160 0.9448 -0.187497 -0.126211  
## 161 0.9314 -0.166939 -0.140048  
## 162 0.8680 -0.229279 -0.294643  
## 163 -0.4903 0.144073 0.015757  
## 164 0.9073 -0.112597 0.135403  
## 165 0.9485 -0.247656 -0.038583  
## 166 0.9429 -0.229316 -0.125913  
## 167 0.9293 -0.235897 -0.121477  
## 168 0.8545 -0.333224 -0.265208  
## 169 -0.3468 0.807535 0.590452  
## 170 0.8916 0.155659 0.286256  
## 171 0.9745 -0.058487 0.031615  
## 172 0.9624 -0.127318 0.095579  
## 173 0.9485 -0.076096 0.091965  
## 174 0.9293 -0.227120 0.044379  
## 175 -0.3447 0.732661 0.681459  
## 176 0.8255 0.114588 0.344766  
## 177 0.9686 -0.100297 0.024304  
## 178 0.9652 -0.157674 -0.003926  
## 179 0.9580 -0.126710 0.028808  
## 180 0.9318 -0.226647 -0.022140  
## tGravityAcc-std()-X tGravityAcc-std()-Y tGravityAcc-std()-Z  
## 1 -0.8968 -0.9077 -0.8524  
## 2 -0.9685 -0.9355 -0.9490  
## 3 -0.9938 -0.9812 -0.9763  
## 4 -0.9766 -0.9713 -0.9477  
## 5 -0.9506 -0.9370 -0.8959  
## 6 -0.9564 -0.9528 -0.9124  
## 7 -0.9590 -0.9882 -0.9842  
## 8 -0.9800 -0.9568 -0.9544  
## 9 -0.9867 -0.9742 -0.9459  
## 10 -0.9727 -0.9721 -0.9721  
## 11 -0.9404 -0.9401 -0.9314  
## 12 -0.9344 -0.9238 -0.8780  
## 13 -0.9825 -0.9812 -0.9648  
## 14 -0.9573 -0.9039 -0.8977  
## 15 -0.9820 -0.9574 -0.9282  
## 16 -0.9778 -0.9624 -0.9521  
## 17 -0.9501 -0.9461 -0.8999  
## 18 -0.9440 -0.9098 -0.9095  
## 19 -0.9212 -0.9698 -0.9762  
## 20 -0.9814 -0.9327 -0.9509  
## 21 -0.9729 -0.9176 -0.8994  
## 22 -0.9838 -0.9680 -0.9630  
## 23 -0.9553 -0.9321 -0.9378  
## 24 -0.9585 -0.9234 -0.9196  
## 25 -0.9457 -0.9860 -0.9771  
## 26 -0.9831 -0.9399 -0.9450  
## 27 -0.9741 -0.9320 -0.9146  
## 28 -0.9793 -0.9616 -0.9646  
## 29 -0.9505 -0.9124 -0.9272  
## 30 -0.9536 -0.9005 -0.9214  
## 31 -0.8877 -0.9592 -0.9281  
## 32 -0.9889 -0.9609 -0.9555  
## 33 -0.9856 -0.9684 -0.9428  
## 34 -0.9778 -0.9642 -0.9572  
## 35 -0.9544 -0.9336 -0.9344  
## 36 -0.9594 -0.9129 -0.9062  
## 37 -0.9142 -0.9555 -0.9619  
## 38 -0.9571 -0.9454 -0.8686  
## 39 -0.9879 -0.9662 -0.9392  
## 40 -0.9799 -0.9694 -0.9522  
## 41 -0.9649 -0.9527 -0.9288  
## 42 -0.9328 -0.9398 -0.8817  
## 43 -0.9189 -0.9580 -0.9418  
## 44 -0.9668 -0.9375 -0.9355  
## 45 -0.9877 -0.9589 -0.9183  
## 46 -0.9748 -0.9568 -0.9566  
## 47 -0.9458 -0.9416 -0.8972  
## 48 -0.9267 -0.9310 -0.8762  
## 49 -0.9218 -0.9700 -0.9712  
## 50 -0.9553 -0.9465 -0.8859  
## 51 -0.9891 -0.9726 -0.9322  
## 52 -0.9810 -0.9712 -0.9555  
## 53 -0.9521 -0.9363 -0.8766  
## 54 -0.9544 -0.9013 -0.8941  
## 55 -0.9545 -0.9667 -0.9630  
## 56 -0.9731 -0.9357 -0.9669  
## 57 -0.9913 -0.9754 -0.9596  
## 58 -0.9744 -0.9711 -0.9579  
## 59 -0.9393 -0.9370 -0.9021  
## 60 -0.9592 -0.9370 -0.8647  
## 61 -0.9796 -0.9908 -0.9842  
## 62 -0.9881 -0.9498 -0.9717  
## 63 -0.9945 -0.9810 -0.9894  
## 64 -0.9811 -0.9662 -0.9609  
## 65 -0.9545 -0.9263 -0.9258  
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## 67 -0.9365 -0.9744 -0.9596  
## 68 -0.9852 -0.9636 -0.9562  
## 69 -0.9853 -0.9705 -0.9395  
## 70 -0.9791 -0.9646 -0.9503  
## 71 -0.9595 -0.9433 -0.9354  
## 72 -0.9602 -0.9414 -0.9381  
## 73 -0.9579 -0.9759 -0.9599  
## 74 -0.9814 -0.9514 -0.9310  
## 75 -0.9922 -0.9747 -0.9768  
## 76 -0.9725 -0.9609 -0.9486  
## 77 -0.9526 -0.9285 -0.8940  
## 78 -0.9464 -0.9221 -0.9103  
## 79 -0.8621 -0.9488 -0.9013  
## 80 -0.9763 -0.9503 -0.9384  
## 81 -0.9720 -0.9658 -0.9408  
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## 83 -0.9191 -0.9207 -0.8796  
## 84 -0.9285 -0.9072 -0.8755  
## 85 -0.9615 -0.9860 -0.9507  
## 86 -0.9826 -0.9436 -0.9530  
## 87 -0.9884 -0.9657 -0.9588  
## 88 -0.9784 -0.9711 -0.9581  
## 89 -0.9428 -0.9257 -0.9340  
## 90 -0.9526 -0.9276 -0.9216  
## 91 -0.9638 -0.9661 -0.9679  
## 92 -0.9802 -0.9680 -0.9458  
## 93 -0.9854 -0.9806 -0.9596  
## 94 -0.9825 -0.9738 -0.9614  
## 95 -0.9578 -0.9555 -0.9106  
## 96 -0.9484 -0.9337 -0.9076  
## 97 -0.9611 -0.9615 -0.9572  
## 98 -0.9902 -0.9667 -0.9566  
## 99 -0.9858 -0.9758 -0.9692  
## 100 -0.9810 -0.9686 -0.9569  
## 101 -0.9500 -0.9466 -0.9011  
## 102 -0.9495 -0.9160 -0.9302  
## 103 -0.9827 -0.9941 -0.9910  
## 104 -0.9940 -0.9840 -0.9783  
## 105 -0.9943 -0.9813 -0.9760  
## 106 -0.9830 -0.9753 -0.9725  
## 107 -0.9604 -0.9330 -0.9217  
## 108 -0.9617 -0.9421 -0.9078  
## 109 -0.9590 -0.9870 -0.9888  
## 110 -0.9694 -0.9700 -0.9604  
## 111 -0.9924 -0.9714 -0.9589  
## 112 -0.9699 -0.9587 -0.9292  
## 113 -0.8997 -0.9179 -0.8994  
## 114 -0.9165 -0.9010 -0.8369  
## 115 -0.9287 -0.9760 -0.9765  
## 116 -0.9858 -0.9670 -0.9359  
## 117 -0.9819 -0.9575 -0.9424  
## 118 -0.9703 -0.9620 -0.9539  
## 119 -0.9405 -0.9086 -0.9197  
## 120 -0.9314 -0.9246 -0.9041  
## 121 -0.9459 -0.9837 -0.9524  
## 122 -0.9929 -0.9794 -0.9654  
## 123 -0.9829 -0.9777 -0.9586  
## 124 -0.9696 -0.9641 -0.9749  
## 125 -0.9402 -0.9401 -0.9163  
## 126 -0.9409 -0.9415 -0.9327  
## 127 -0.9288 -0.9588 -0.9524  
## 128 -0.9720 -0.9542 -0.9280  
## 129 -0.9928 -0.9711 -0.9589  
## 130 -0.9696 -0.9636 -0.9551  
## 131 -0.9412 -0.9458 -0.9066  
## 132 -0.9406 -0.9416 -0.9132  
## 133 -0.9479 -0.9828 -0.9768  
## 134 -0.9845 -0.9609 -0.9240  
## 135 -0.9846 -0.9848 -0.9472  
## 136 -0.9772 -0.9666 -0.9330  
## 137 -0.9508 -0.9390 -0.9059  
## 138 -0.9333 -0.9105 -0.9021  
## 139 -0.9604 -0.9935 -0.9792  
## 140 -0.9897 -0.9717 -0.9634  
## 141 -0.9922 -0.9682 -0.9462  
## 142 -0.9831 -0.9626 -0.9628  
## 143 -0.9618 -0.9415 -0.9422  
## 144 -0.9622 -0.9167 -0.9350  
## 145 -0.8296 -0.6436 -0.6102  
## 146 -0.9889 -0.9634 -0.9695  
## 147 -0.9931 -0.9806 -0.9678  
## 148 -0.9795 -0.9651 -0.9450  
## 149 -0.9645 -0.9378 -0.9262  
## 150 -0.9509 -0.9318 -0.8827  
## 151 -0.9445 -0.9879 -0.9841  
## 152 -0.9651 -0.9493 -0.9446  
## 153 -0.9927 -0.9670 -0.9642  
## 154 -0.9801 -0.9690 -0.9662  
## 155 -0.9627 -0.9354 -0.9331  
## 156 -0.9620 -0.9379 -0.9296  
## 157 -0.9712 -0.9937 -0.9891  
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## 159 -0.9940 -0.9796 -0.9682  
## 160 -0.9799 -0.9738 -0.9566  
## 161 -0.9470 -0.9350 -0.9209  
## 162 -0.9564 -0.9477 -0.9267  
## 163 -0.9706 -0.9698 -0.9791  
## 164 -0.9891 -0.9718 -0.9561  
## 165 -0.9901 -0.9628 -0.9518  
## 166 -0.9767 -0.9688 -0.9442  
## 167 -0.9569 -0.9484 -0.9171  
## 168 -0.9447 -0.9276 -0.9005  
## 169 -0.9729 -0.9942 -0.9858  
## 170 -0.9847 -0.9736 -0.9660  
## 171 -0.9968 -0.9851 -0.9845  
## 172 -0.9783 -0.9753 -0.9460  
## 173 -0.9417 -0.9139 -0.8693  
## 174 -0.9542 -0.9230 -0.8588  
## 175 -0.9796 -0.9889 -0.9833  
## 176 -0.9784 -0.9594 -0.9566  
## 177 -0.9964 -0.9581 -0.9492  
## 178 -0.9798 -0.9702 -0.9440  
## 179 -0.9589 -0.9187 -0.8777  
## 180 -0.9540 -0.9149 -0.8624  
## tBodyAccJerk-mean()-X tBodyAccJerk-mean()-Y tBodyAccJerk-mean()-Z  
## 1 0.08109 3.838e-03 1.083e-02  
## 2 0.07748 -6.191e-04 -3.368e-03  
## 3 0.07538 7.976e-03 -3.685e-03  
## 4 0.07404 2.827e-02 -4.168e-03  
## 5 0.05416 2.965e-02 -1.097e-02  
## 6 0.10137 1.949e-02 -4.556e-02  
## 7 0.08260 1.225e-02 -1.803e-03  
## 8 0.07226 1.170e-02 7.605e-03  
## 9 0.07476 1.033e-02 -8.372e-03  
## 10 0.06181 1.825e-02 7.895e-03  
## 11 0.11004 -3.280e-03 -2.094e-02  
## 12 0.07445 -9.710e-03 1.948e-02  
## 13 0.07698 1.380e-02 -4.356e-03  
## 14 0.07261 2.725e-03 -4.233e-03  
## 15 0.07509 7.717e-03 -8.072e-03  
## 16 0.08147 1.006e-02 -5.623e-03  
## 17 0.07257 1.097e-02 -2.027e-03  
## 18 0.04269 3.972e-02 2.082e-02  
## 19 0.09345 6.933e-03 -6.411e-03  
## 20 0.07845 -1.086e-02 -1.215e-02  
## 21 0.07213 -6.530e-03 -2.119e-02  
## 22 0.07835 2.956e-03 -7.677e-04  
## 23 0.09719 5.638e-03 -7.291e-03  
## 24 0.05610 2.340e-02 3.403e-03  
## 25 0.08482 7.475e-03 -3.041e-03  
## 26 0.07496 -2.788e-03 3.386e-03  
## 27 0.07252 -2.220e-03 -1.228e-02  
## 28 0.08459 -1.632e-02 8.322e-05  
## 29 0.10965 1.376e-02 2.134e-02  
## 30 0.07954 1.401e-02 -2.559e-02  
## 31 0.09635 -1.145e-03 3.288e-03  
## 32 0.07547 2.556e-06 6.237e-03  
## 33 0.07307 8.719e-03 -4.817e-03  
## 34 0.06996 -1.648e-02 -7.389e-03  
## 35 0.10368 9.877e-03 -9.325e-03  
## 36 0.07211 3.713e-03 -2.378e-03  
## 37 0.09689 2.506e-02 -1.317e-02  
## 38 0.06685 1.169e-02 1.620e-02  
## 39 0.07519 6.947e-03 -1.084e-02  
## 40 0.09015 1.843e-02 -2.104e-02  
## 41 0.09689 -1.911e-02 -1.604e-02  
## 42 0.07246 -8.124e-04 -7.452e-05  
## 43 0.08783 2.333e-02 -1.692e-02  
## 44 0.07867 -6.575e-03 -1.068e-02  
## 45 0.07537 8.150e-03 3.222e-03  
## 46 0.07034 -6.039e-03 -6.738e-04  
## 47 0.11894 -3.802e-02 -3.944e-02  
## 48 0.08138 1.412e-02 -6.746e-02  
## 49 0.08807 1.156e-02 -7.054e-03  
## 50 0.07701 9.817e-03 -8.675e-03  
## 51 0.07600 1.307e-02 -4.701e-03  
## 52 0.07044 2.123e-02 4.148e-03  
## 53 0.13019 -2.069e-02 2.626e-03  
## 54 0.06923 1.266e-03 7.660e-03  
## 55 0.07382 1.570e-02 7.167e-03  
## 56 0.07754 8.979e-03 -4.996e-03  
## 57 0.08098 1.190e-02 -4.858e-03  
## 58 0.08579 4.082e-03 -1.630e-02  
## 59 0.10096 1.078e-02 1.526e-04  
## 60 0.06488 2.663e-02 -5.134e-02  
## 61 0.07666 1.222e-02 2.777e-03  
## 62 0.07618 -2.138e-04 8.334e-03  
## 63 0.07601 1.241e-02 -7.459e-04  
## 64 0.08297 1.277e-02 -1.336e-02  
## 65 0.08972 2.523e-02 -2.252e-02  
## 66 0.09686 -1.326e-02 -1.515e-02  
## 67 0.08543 7.744e-03 -4.371e-03  
## 68 0.07713 1.060e-02 -2.046e-03  
## 69 0.07446 1.005e-02 -7.881e-03  
## 70 0.04576 1.978e-02 5.026e-03  
## 71 0.06215 -1.193e-02 4.853e-03  
## 72 0.07287 -6.895e-03 9.067e-03  
## 73 0.07678 1.834e-02 -9.884e-03  
## 74 0.07529 -1.123e-03 -2.324e-02  
## 75 0.07586 7.620e-03 -7.050e-04  
## 76 0.08096 3.084e-03 5.972e-03  
## 77 0.10170 -7.519e-03 -2.530e-02  
## 78 0.06924 -1.280e-03 -2.541e-02  
## 79 0.09814 -8.315e-03 -3.236e-02  
## 80 0.07419 -4.362e-03 -1.057e-02  
## 81 0.07379 5.796e-03 -7.208e-03  
## 82 0.07209 2.412e-02 1.997e-02  
## 83 0.04286 2.913e-02 1.050e-02  
## 84 0.08033 -1.831e-02 3.442e-03  
## 85 0.07675 1.240e-02 -4.439e-03  
## 86 0.07848 -8.984e-03 -2.372e-03  
## 87 0.07523 6.173e-03 -6.587e-03  
## 88 0.08978 8.906e-03 6.587e-04  
## 89 0.07115 1.512e-02 -1.002e-02  
## 90 0.07297 -4.174e-03 -5.259e-03  
## 91 0.07840 1.328e-02 -1.541e-03  
## 92 0.07343 9.856e-03 -1.150e-02  
## 93 0.07364 1.208e-02 -4.763e-03  
## 94 0.07702 9.684e-03 3.608e-03  
## 95 0.09079 -1.481e-02 -2.931e-02  
## 96 0.07625 1.737e-02 3.805e-02  
## 97 0.07791 7.069e-03 -1.435e-04  
## 98 0.07507 5.610e-03 -1.554e-03  
## 99 0.07409 6.579e-03 -4.036e-03  
## 100 0.07732 1.301e-02 2.438e-02  
## 101 0.11825 -1.138e-02 -9.398e-03  
## 102 0.07680 3.084e-02 7.595e-03  
## 103 0.07500 1.170e-02 -1.213e-03  
## 104 0.07662 6.946e-03 2.788e-03  
## 105 0.07535 1.047e-02 -1.816e-03  
## 106 0.07675 2.827e-02 1.069e-02  
## 107 0.08090 -7.571e-04 -1.418e-02  
## 108 0.08124 2.117e-02 9.359e-03  
## 109 0.07723 1.115e-02 -9.887e-04  
## 110 0.07537 1.379e-02 1.731e-03  
## 111 0.07541 9.913e-03 1.292e-03  
## 112 0.08222 1.441e-02 -3.275e-02  
## 113 0.07309 -3.869e-02 -9.552e-03  
## 114 0.08315 5.682e-02 3.167e-02  
## 115 0.08927 1.108e-03 -3.099e-03  
## 116 0.07466 5.974e-03 1.601e-03  
## 117 0.07636 1.169e-02 -6.137e-03  
## 118 0.08412 -2.106e-02 6.345e-03  
## 119 0.06950 4.364e-03 -2.535e-03  
## 120 0.08365 6.600e-03 -2.454e-02  
## 121 0.08202 1.199e-02 -1.391e-02  
## 122 0.07571 1.210e-02 -1.754e-04  
## 123 0.07545 1.006e-02 -3.321e-03  
## 124 0.07823 2.352e-03 -1.018e-02  
## 125 0.09015 -2.140e-02 -1.256e-02  
## 126 0.10403 -1.563e-02 -3.601e-02  
## 127 0.07522 4.598e-03 -4.674e-03  
## 128 0.08077 -8.427e-04 -1.269e-02  
## 129 0.07523 1.073e-02 -6.263e-03  
## 130 0.06278 3.567e-02 4.437e-03  
## 131 0.10158 2.111e-02 1.125e-02  
## 132 0.08772 3.671e-02 -3.362e-02  
## 133 0.08318 1.535e-02 -6.282e-03  
## 134 0.07700 1.014e-02 -1.488e-03  
## 135 0.07502 1.059e-02 -5.293e-03  
## 136 0.09873 1.490e-02 -1.908e-03  
## 137 0.05780 3.750e-02 -9.827e-04  
## 138 0.07236 3.999e-02 1.592e-02  
## 139 0.08072 1.198e-02 -5.892e-03  
## 140 0.07633 4.767e-03 -1.133e-03  
## 141 0.07462 1.098e-02 -3.588e-03  
## 142 0.07319 1.213e-02 -1.164e-02  
## 143 0.08026 -4.473e-03 -8.469e-03  
## 144 0.08623 -1.508e-02 -1.324e-02  
## 145 0.08791 2.846e-02 -3.072e-02  
## 146 0.07521 4.854e-03 2.108e-03  
## 147 0.07523 6.632e-03 -6.228e-03  
## 148 0.07217 3.511e-03 -3.351e-03  
## 149 0.11066 -1.954e-02 -1.133e-02  
## 150 0.07400 9.255e-03 -1.169e-02  
## 151 0.08665 1.244e-02 -6.148e-03  
## 152 0.07644 6.922e-03 -7.802e-03  
## 153 0.07536 8.173e-03 -2.195e-03  
## 154 0.06523 1.967e-02 -6.183e-03  
## 155 0.11147 -7.132e-03 -1.189e-02  
## 156 0.07556 2.092e-03 -1.171e-02  
## 157 0.07663 1.265e-02 -6.855e-04  
## 158 0.07790 4.671e-03 -6.113e-03  
## 159 0.07497 1.224e-02 -1.380e-03  
## 160 0.06843 1.612e-03 -2.075e-02  
## 161 0.09363 1.599e-02 -9.850e-03  
## 162 0.07348 -1.402e-02 6.747e-03  
## 163 0.07808 5.940e-03 6.010e-03  
## 164 0.07687 1.483e-02 2.579e-04  
## 165 0.07531 9.074e-03 -2.678e-03  
## 166 0.09311 2.265e-02 -7.629e-03  
## 167 0.09727 1.435e-02 1.240e-03  
## 168 0.07068 2.230e-02 7.491e-03  
## 169 0.07189 1.169e-02 2.415e-03  
## 170 0.07454 5.985e-03 3.168e-03  
## 171 0.07531 1.151e-02 3.329e-04  
## 172 0.08537 2.239e-02 9.415e-03  
## 173 0.06369 6.210e-04 -1.406e-02  
## 174 0.10635 -6.890e-04 -2.907e-02  
## 175 0.07522 1.077e-02 -3.742e-04  
## 176 0.07601 9.757e-03 -2.782e-03  
## 177 0.07524 1.209e-02 1.908e-03  
## 178 0.06887 2.197e-02 -7.395e-03  
## 179 0.08839 -7.561e-03 -1.183e-02  
## 180 0.05798 -3.587e-03 1.615e-02  
## tBodyAccJerk-std()-X tBodyAccJerk-std()-Y tBodyAccJerk-std()-Z  
## 1 -0.958482 -0.924149 -0.95486  
## 2 -0.986431 -0.981372 -0.98791  
## 3 -0.994605 -0.985649 -0.99225  
## 4 -0.113616 0.067003 -0.50270  
## 5 -0.012284 -0.101601 -0.34574  
## 6 -0.446844 -0.378274 -0.70659  
## 7 -0.985872 -0.983173 -0.98844  
## 8 -0.988056 -0.977984 -0.98752  
## 9 -0.981086 -0.971059 -0.98284  
## 10 -0.277530 -0.016602 -0.58609  
## 11 0.147249 0.126828 -0.34012  
## 12 -0.276122 -0.185649 -0.57375  
## 13 -0.980879 -0.968711 -0.98209  
## 14 -0.974467 -0.953631 -0.97466  
## 15 -0.957086 -0.941687 -0.97306  
## 16 -0.268680 -0.044962 -0.52949  
## 17 -0.085801 -0.111439 -0.57174  
## 18 -0.458365 -0.251680 -0.70855  
## 19 -0.978303 -0.942209 -0.97851  
## 20 -0.976742 -0.944596 -0.97904  
## 21 -0.972587 -0.938355 -0.97305  
## 22 -0.297043 -0.221165 -0.75139  
## 23 -0.145760 -0.146242 -0.62665  
## 24 -0.380488 -0.281543 -0.72650  
## 25 -0.983308 -0.964560 -0.98542  
## 26 -0.975205 -0.952786 -0.97344  
## 27 -0.962647 -0.931217 -0.96383  
## 28 -0.302891 -0.091040 -0.61290  
## 29 0.032242 0.047361 -0.52265  
## 30 -0.223897 -0.125027 -0.63837  
## 31 -0.966341 -0.933674 -0.95965  
## 32 -0.969929 -0.945144 -0.95857  
## 33 -0.973133 -0.949362 -0.96755  
## 34 -0.132785 0.008089 -0.57578  
## 35 0.165271 0.276544 -0.33682  
## 36 -0.180301 -0.041399 -0.56083  
## 37 -0.980978 -0.973093 -0.97298  
## 38 -0.982158 -0.969459 -0.97226  
## 39 -0.976404 -0.965811 -0.97206  
## 40 -0.346026 -0.054745 -0.14949  
## 41 0.028503 -0.296280 -0.34711  
## 42 -0.415153 -0.519898 -0.60781  
## 43 -0.973253 -0.976521 -0.96609  
## 44 -0.985189 -0.980785 -0.98529  
## 45 -0.989199 -0.976442 -0.98261  
## 46 -0.258689 0.233988 -0.38320  
## 47 0.250144 0.288141 -0.01351  
## 48 -0.186619 -0.012350 -0.44752  
## 49 -0.964740 -0.963997 -0.95856  
## 50 -0.964536 -0.956778 -0.96189  
## 51 -0.969973 -0.963849 -0.97058  
## 52 -0.206734 -0.276930 -0.40976  
## 53 0.017623 -0.309442 -0.35951  
## 54 -0.335292 -0.586147 -0.64730  
## 55 -0.978007 -0.966931 -0.97626  
## 56 -0.988946 -0.980757 -0.98826  
## 57 -0.964311 -0.941329 -0.97643  
## 58 -0.052199 0.075080 -0.51166  
## 59 0.223276 -0.105020 -0.31819  
## 60 -0.187220 -0.177803 -0.60752  
## 61 -0.985259 -0.972777 -0.98211  
## 62 -0.980335 -0.966767 -0.98344  
## 63 -0.992527 -0.979428 -0.99013  
## 64 -0.428516 -0.181419 -0.72065  
## 65 -0.083421 -0.126817 -0.57971  
## 66 -0.452962 -0.428119 -0.78536  
## 67 -0.969276 -0.962640 -0.97063  
## 68 -0.976494 -0.964047 -0.97911  
## 69 -0.972440 -0.953203 -0.97556  
## 70 -0.013507 -0.089405 -0.51228  
## 71 0.006319 0.062922 -0.49866  
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## 73 -0.985420 -0.980152 -0.98307  
## 74 -0.992827 -0.984268 -0.98761  
## 75 -0.987636 -0.977704 -0.98693  
## 76 -0.220910 0.056549 -0.37463  
## 77 -0.074091 -0.149028 -0.31705  
## 78 -0.487326 -0.323334 -0.66092  
## 79 -0.971474 -0.968128 -0.97243  
## 80 -0.980891 -0.967828 -0.97613  
## 81 -0.978249 -0.966362 -0.97077  
## 82 -0.454497 -0.344340 -0.47279  
## 83 0.012960 0.192792 -0.13363  
## 84 -0.368780 -0.336427 -0.32787  
## 85 -0.981739 -0.970922 -0.97840  
## 86 -0.988162 -0.978127 -0.98701  
## 87 -0.985459 -0.967720 -0.98530  
## 88 -0.373218 -0.031927 -0.68627  
## 89 0.134594 0.015806 -0.40401  
## 90 -0.186945 -0.311861 -0.74881  
## 91 -0.988417 -0.984867 -0.98764  
## 92 -0.990861 -0.981801 -0.98349  
## 93 -0.991026 -0.982622 -0.98807  
## 94 -0.396224 -0.425564 -0.44026  
## 95 -0.101187 -0.261685 -0.30338  
## 96 -0.521089 -0.425626 -0.59341  
## 97 -0.981489 -0.976961 -0.98281  
## 98 -0.994341 -0.988637 -0.99053  
## 99 -0.992094 -0.986661 -0.99122  
## 100 -0.355493 -0.093539 -0.53430  
## 101 -0.103436 -0.304064 -0.53633  
## 102 -0.292666 -0.349792 -0.65743  
## 103 -0.985921 -0.985554 -0.99066  
## 104 -0.991625 -0.984003 -0.99015  
## 105 -0.989437 -0.975278 -0.98846  
## 106 -0.368057 -0.320159 -0.63333  
## 107 -0.387224 -0.447034 -0.65125  
## 108 -0.563202 -0.567941 -0.76083  
## 109 -0.983605 -0.974525 -0.98826  
## 110 -0.987043 -0.979268 -0.98670  
## 111 -0.984792 -0.970543 -0.98614  
## 112 0.110307 0.080927 -0.17939  
## 113 0.544273 0.355307 -0.02001  
## 114 -0.174279 -0.012887 -0.44428  
## 115 -0.984271 -0.977003 -0.98499  
## 116 -0.982078 -0.970897 -0.97652  
## 117 -0.959528 -0.935606 -0.95894  
## 118 -0.090645 0.244311 -0.38766  
## 119 -0.135700 0.289671 -0.38150  
## 120 -0.185695 -0.260790 -0.51364  
## 121 -0.984827 -0.971585 -0.98398  
## 122 -0.989439 -0.979003 -0.98582  
## 123 -0.977063 -0.963921 -0.97792  
## 124 -0.114889 -0.034714 -0.42514  
## 125 0.002147 -0.079601 -0.24606  
## 126 -0.424052 -0.203210 -0.56205  
## 127 -0.970355 -0.955152 -0.97453  
## 128 -0.981664 -0.964783 -0.97893  
## 129 -0.975639 -0.952303 -0.98148  
## 130 0.035879 0.225542 -0.31316  
## 131 0.086914 0.019861 -0.47781  
## 132 -0.008540 -0.057578 -0.47170  
## 133 -0.986360 -0.988612 -0.98466  
## 134 -0.984562 -0.978046 -0.97598  
## 135 -0.983142 -0.975220 -0.97360  
## 136 -0.229328 -0.080502 -0.02931  
## 137 0.198947 -0.088330 0.03102  
## 138 -0.365399 -0.328225 -0.40809  
## 139 -0.986365 -0.982430 -0.98309  
## 140 -0.988564 -0.979574 -0.98466  
## 141 -0.980574 -0.967746 -0.97772  
## 142 -0.485863 -0.302220 -0.49119  
## 143 -0.337219 -0.169292 -0.29024  
## 144 -0.498765 -0.515221 -0.52381  
## 145 -0.973323 -0.945687 -0.96784  
## 146 -0.992279 -0.982871 -0.98843  
## 147 -0.988313 -0.972272 -0.98706  
## 148 -0.607621 -0.382620 -0.67560  
## 149 -0.501968 -0.371662 -0.71149  
## 150 -0.663643 -0.627131 -0.81246  
## 151 -0.989316 -0.987183 -0.98906  
## 152 -0.992258 -0.986215 -0.99001  
## 153 -0.990498 -0.975935 -0.98669  
## 154 -0.328453 -0.261864 -0.39748  
## 155 -0.128112 -0.086405 -0.37934  
## 156 -0.290880 -0.399771 -0.67800  
## 157 -0.986472 -0.985159 -0.98969  
## 158 -0.990658 -0.985097 -0.98890  
## 159 -0.987628 -0.975830 -0.98735  
## 160 -0.316184 -0.104090 -0.40119  
## 161 -0.003583 -0.138528 -0.40931  
## 162 -0.468066 -0.426833 -0.63372  
## 163 -0.980165 -0.978680 -0.97307  
## 164 -0.976287 -0.962219 -0.97633  
## 165 -0.968605 -0.933768 -0.96977  
## 166 -0.335700 -0.220123 -0.53747  
## 167 -0.016765 0.026553 -0.42705  
## 168 -0.312672 -0.331602 -0.63749  
## 169 -0.992006 -0.989514 -0.99329  
## 170 -0.993526 -0.984055 -0.99017  
## 171 -0.993653 -0.983338 -0.99059  
## 172 -0.221434 -0.087175 -0.46176  
## 173 -0.023953 -0.077341 -0.47876  
## 174 -0.182366 -0.388624 -0.67876  
## 175 -0.977464 -0.971050 -0.97952  
## 176 -0.988865 -0.980421 -0.98816  
## 177 -0.968431 -0.957319 -0.96890  
## 178 -0.374401 -0.270709 -0.52135  
## 179 -0.226644 -0.194656 -0.46707  
## 180 -0.535420 -0.587215 -0.76194  
## tBodyGyro-mean()-X tBodyGyro-mean()-Y tBodyGyro-mean()-Z  
## 1 -0.0165531 -0.064486 0.1486894  
## 2 -0.0453501 -0.091924 0.0629314  
## 3 -0.0239877 -0.059397 0.0748008  
## 4 -0.0418310 -0.069530 0.0849448  
## 5 -0.0350782 -0.090937 0.0900850  
## 6 0.0505494 -0.166170 0.0583595  
## 7 -0.0184766 -0.111801 0.1448828  
## 8 -0.0454707 -0.059929 0.0412277  
## 9 -0.0238624 -0.082040 0.0878352  
## 10 -0.0530258 -0.048238 0.0828337  
## 11 -0.1159474 -0.004823 0.0971738  
## 12 -0.0576913 -0.032088 0.0688374  
## 13 -0.0208171 -0.071851 0.1379996  
## 14 -0.0385365 -0.075241 0.0940114  
## 15 -0.0246626 -0.058510 0.0665262  
## 16 -0.0256405 -0.077915 0.0813486  
## 17 -0.1315733 -0.013936 0.1238267  
## 18 0.0721980 -0.139275 0.0215604  
## 19 -0.0092316 -0.093013 0.1697204  
## 20 -0.0494435 -0.089430 0.1011503  
## 21 -0.0306449 -0.061825 0.0755636  
## 22 -0.0317983 -0.072691 0.0805677  
## 23 -0.1028388 -0.070403 0.0592639  
## 24 0.0393825 -0.085947 0.0843754  
## 25 -0.0218935 -0.079871 0.1598944  
## 26 -0.0422355 -0.083548 0.0823934  
## 27 -0.0322712 -0.050988 0.0690946  
## 28 -0.0488920 -0.069014 0.0815435  
## 29 -0.0682946 -0.070781 0.0806560  
## 30 0.0395191 -0.117196 0.0424443  
## 31 -0.0079605 -0.107218 0.1791021  
## 32 -0.0372442 -0.089908 0.0854346  
## 33 -0.0282519 -0.058982 0.0767395  
## 34 -0.0255096 -0.074446 0.0838809  
## 35 -0.0960837 -0.034178 0.0870013  
## 36 -0.0767407 -0.051898 0.0664234  
## 37 -0.0028264 -0.133606 0.1559200  
## 38 -0.0496380 -0.033612 0.0259477  
## 39 -0.0291582 -0.077434 0.0851045  
## 40 0.0022884 -0.083711 0.0641105  
## 41 -0.1054096 -0.049717 0.1168948  
## 42 -0.1387781 -0.002472 0.1392171  
## 43 0.0053536 -0.089137 0.1381883  
## 44 -0.0547397 -0.095509 0.0716049  
## 45 -0.0219672 -0.028012 0.0636889  
## 46 0.0235088 -0.095792 0.0509658  
## 47 -0.1211896 -0.050076 0.1141439  
## 48 0.1927045 -0.204205 -0.0724546  
## 49 -0.0136320 -0.158903 0.1012750  
## 50 -0.0423289 -0.041427 0.0807919  
## 51 -0.0291831 -0.060810 0.0992409  
## 52 -0.0808361 -0.062560 0.1116298  
## 53 -0.0916383 -0.071260 0.1168044  
## 54 -0.1639672 -0.041259 0.1456946  
## 55 -0.0195559 -0.077033 0.1047205  
## 56 -0.0432432 -0.067999 0.0745959  
## 57 -0.0281854 -0.087682 0.1032516  
## 58 0.0106895 -0.081954 0.0986696  
## 59 -0.1248396 -0.106743 0.0724434  
## 60 0.0733447 -0.095460 0.0879664  
## 61 -0.0191744 -0.041560 0.1520190  
## 62 -0.0399985 -0.075528 0.0761739  
## 63 -0.0293142 -0.076547 0.0810588  
## 64 -0.0426929 -0.070510 0.0843744  
## 65 -0.1250687 -0.026278 0.0575245  
## 66 -0.0820910 -0.056693 0.0638054  
## 67 -0.0146547 -0.083554 0.1451918  
## 68 -0.0424159 -0.075198 0.0728462  
## 69 -0.0300030 -0.070008 0.0742568  
## 70 -0.1045137 -0.034429 0.0999739  
## 71 -0.1125316 -0.042734 0.0895435  
## 72 -0.0931234 -0.041131 0.0898023  
## 73 -0.0097361 -0.096625 0.1178196  
## 74 -0.0355125 -0.090269 0.0823432  
## 75 -0.0295492 -0.075321 0.0854712  
## 76 -0.0174208 -0.079847 0.0784206  
## 77 -0.1226722 -0.023721 0.1112842  
## 78 -0.1382938 0.003820 0.1166796  
## 79 0.0050522 -0.153424 0.1491241  
## 80 -0.0440403 -0.071348 0.0928524  
## 81 -0.0220887 -0.055811 0.0790476  
## 82 -0.0034766 -0.082968 0.0513223  
## 83 -0.0147080 -0.094529 0.0353345  
## 84 0.0813842 -0.123500 -0.0441382  
## 85 -0.0168301 -0.061970 0.1134519  
## 86 -0.0377111 -0.080343 0.0951978  
## 87 -0.0262434 -0.065964 0.0761947  
## 88 -0.0554884 -0.061243 0.0842485  
## 89 -0.1366187 -0.034676 0.0711758  
## 90 0.0903340 -0.154721 0.0911681  
## 91 -0.0161545 -0.113675 0.0966210  
## 92 -0.0412014 -0.057453 0.0795736  
## 93 -0.0299337 -0.068668 0.0867343  
## 94 -0.0151722 -0.069596 0.0818651  
## 95 -0.0225373 -0.068265 0.0835380  
## 96 0.0718409 -0.048614 -0.0077929  
## 97 -0.0234756 -0.094458 0.1114405  
## 98 -0.0425492 -0.066925 0.0860054  
## 99 -0.0269577 -0.077063 0.0880562  
## 100 -0.0092227 -0.083977 0.0757133  
## 101 0.0677728 -0.123517 0.0162879  
## 102 -0.0304251 -0.054846 0.0560931  
## 103 -0.0251762 -0.083759 0.0937782  
## 104 -0.0333057 -0.068580 0.0848141  
## 105 -0.0265873 -0.073226 0.0843191  
## 106 -0.0399400 -0.061373 0.0944718  
## 107 -0.0576549 -0.063621 0.0987472  
## 108 -0.0470684 -0.052613 0.0906736  
## 109 -0.0312073 -0.095263 0.1086051  
## 110 -0.0214151 -0.052021 0.0968981  
## 111 -0.0250906 -0.063143 0.0710520  
## 112 -0.0274971 -0.075157 0.0798107  
## 113 -0.2057754 0.027471 0.1639625  
## 114 0.0388537 -0.134514 -0.0002332  
## 115 -0.0231761 -0.095490 0.1236802  
## 116 -0.0364059 -0.065069 0.0642882  
## 117 -0.0241335 -0.069831 0.0773671  
## 118 -0.0234104 -0.074105 0.0851360  
## 119 -0.1113677 0.013902 0.1039005  
## 120 0.0659193 -0.174651 0.0587019  
## 121 -0.0305126 -0.113800 0.0980907  
## 122 -0.0198713 -0.065308 0.0831326  
## 123 -0.0191732 -0.073812 0.0864863  
## 124 -0.0459323 -0.059029 0.0983716  
## 125 -0.1263880 0.016215 0.1486100  
## 126 0.0626087 -0.155622 -0.0054683  
## 127 -0.0208311 -0.092572 0.1450039  
## 128 -0.0360431 -0.079362 0.0804427  
## 129 -0.0275202 -0.069007 0.0733467  
## 130 0.0007772 -0.096088 0.0775267  
## 131 -0.0779611 -0.069715 0.0500709  
## 132 0.1349788 -0.181458 0.0157359  
## 133 -0.0113400 -0.105053 0.1110786  
## 134 -0.0472583 -0.068433 0.0645673  
## 135 -0.0327398 -0.065226 0.0816889  
## 136 -0.0631157 -0.064020 0.1077005  
## 137 -0.0578230 -0.085308 0.0953602  
## 138 0.0957940 -0.111564 -0.0325558  
## 139 -0.0143680 -0.095554 0.1117307  
## 140 -0.0356230 -0.075013 0.0800440  
## 141 -0.0278612 -0.069255 0.0771246  
## 142 -0.0545127 -0.065844 0.0972006  
## 143 -0.0867069 -0.054230 0.1119737  
## 144 0.0883164 -0.105933 0.0248291  
## 145 0.0037272 -0.071640 0.1397187  
## 146 -0.0352052 -0.074800 0.0852784  
## 147 -0.0247947 -0.069888 0.0852685  
## 148 -0.0156305 -0.082077 0.0867869  
## 149 0.0029911 -0.101115 0.0980750  
## 150 0.0556122 -0.109438 0.0996227  
## 151 -0.0170656 -0.090323 0.1524363  
## 152 -0.0370217 -0.084065 0.0711109  
## 153 -0.0245346 -0.073139 0.0776707  
## 154 -0.0033409 -0.084151 0.0851069  
## 155 -0.0107522 -0.100382 0.0822214  
## 156 -0.0247951 -0.065760 0.0721459  
## 157 -0.0195427 -0.095784 0.1187384  
## 158 -0.0371831 -0.079735 0.0833753  
## 159 -0.0267317 -0.067507 0.0716841  
## 160 -0.0855884 -0.036535 0.1182678  
## 161 -0.1598266 -0.016313 0.1526950  
## 162 -0.0940345 0.002125 0.1401299  
## 163 -0.0173677 -0.097449 0.0935791  
## 164 -0.0339018 -0.067394 0.0870254  
## 165 -0.0253282 -0.073900 0.0865173  
## 166 -0.1058962 -0.017282 0.1160659  
## 167 -0.1410963 0.007106 0.1386224  
## 168 -0.1293630 0.021225 0.1037210  
## 169 -0.0258281 -0.076181 0.1274120  
## 170 -0.0379271 -0.075580 0.0580496  
## 171 -0.0276076 -0.072106 0.0827584  
## 172 -0.0079567 -0.081960 0.0856852  
## 173 -0.0374126 -0.085105 0.0822244  
## 174 0.0931989 -0.152328 0.0854318  
## 175 -0.0267812 -0.076148 0.0938472  
## 176 -0.0358426 -0.074354 0.0702003  
## 177 -0.0276139 -0.067033 0.0802515  
## 178 -0.0459505 -0.064917 0.0839568  
## 179 -0.0745591 -0.069311 0.0895768  
## 180 -0.0035597 -0.077961 0.0814699  
## tBodyGyro-std()-X tBodyGyro-std()-Y tBodyGyro-std()-Z  
## 1 -0.87354 -0.951090 -0.90828  
## 2 -0.97721 -0.966474 -0.94143  
## 3 -0.98719 -0.987734 -0.98065  
## 4 -0.47354 -0.054608 -0.34427  
## 5 -0.45803 -0.126349 -0.12470  
## 6 -0.54487 0.004105 -0.50717  
## 7 -0.98828 -0.982292 -0.96031  
## 8 -0.98574 -0.978920 -0.95980  
## 9 -0.97300 -0.971442 -0.96486  
## 10 -0.56155 -0.538454 -0.48109  
## 11 -0.32079 -0.415739 -0.27942  
## 12 -0.43925 -0.466298 -0.16400  
## 13 -0.97455 -0.977273 -0.96351  
## 14 -0.96543 -0.944855 -0.92641  
## 15 -0.90046 -0.927789 -0.91236  
## 16 -0.57187 -0.563793 -0.47670  
## 17 -0.26165 -0.546740 -0.44231  
## 18 -0.45604 -0.582743 -0.49233  
## 19 -0.97310 -0.961109 -0.96207  
## 20 -0.97013 -0.958468 -0.92797  
## 21 -0.90969 -0.949227 -0.91000  
## 22 -0.50092 -0.665394 -0.66261  
## 23 -0.37024 -0.699454 -0.49848  
## 24 -0.45443 -0.551186 -0.36081  
## 25 -0.97950 -0.977427 -0.96058  
## 26 -0.96623 -0.950064 -0.94064  
## 27 -0.91040 -0.933738 -0.90747  
## 28 -0.49088 -0.504622 -0.31870  
## 29 -0.46065 -0.409134 -0.22787  
## 30 -0.44334 -0.440346 -0.26545  
## 31 -0.95538 -0.943635 -0.93914  
## 32 -0.95737 -0.944130 -0.93968  
## 33 -0.94756 -0.942487 -0.94778  
## 34 -0.44602 -0.331702 -0.38314  
## 35 -0.19830 -0.189230 -0.09408  
## 36 -0.32197 -0.315800 -0.18390  
## 37 -0.96013 -0.945072 -0.95529  
## 38 -0.94187 -0.944124 -0.93702  
## 39 -0.94525 -0.949647 -0.95163  
## 40 -0.50331 -0.231098 -0.39601  
## 41 -0.40774 -0.292626 -0.40105  
## 42 -0.36385 -0.572997 -0.34898  
## 43 -0.96520 -0.952039 -0.96759  
## 44 -0.98452 -0.971501 -0.95962  
## 45 -0.97299 -0.969421 -0.97412  
## 46 -0.19921 -0.211997 -0.07544  
## 47 -0.25843 0.024313 -0.12957  
## 48 -0.36743 -0.066698 0.33753  
## 49 -0.94225 -0.926619 -0.96160  
## 50 -0.95902 -0.919188 -0.93018  
## 51 -0.92199 -0.946047 -0.93989  
## 52 -0.47616 -0.467054 -0.26568  
## 53 -0.39643 -0.340765 -0.27969  
## 54 -0.34398 -0.400859 -0.13818  
## 55 -0.96171 -0.953660 -0.97194  
## 56 -0.98887 -0.984373 -0.96045  
## 57 -0.92990 -0.958861 -0.95368  
## 58 -0.41421 -0.250853 -0.17452  
## 59 -0.30475 -0.311408 -0.03530  
## 60 -0.30853 0.041172 -0.32051  
## 61 -0.98084 -0.982443 -0.95990  
## 62 -0.98816 -0.982249 -0.95284  
## 63 -0.98024 -0.994210 -0.98064  
## 64 -0.59635 -0.499625 -0.43418  
## 65 -0.37407 -0.495912 -0.31896  
## 66 -0.50133 -0.282045 -0.69466  
## 67 -0.96609 -0.953874 -0.95016  
## 68 -0.97443 -0.960497 -0.95155  
## 69 -0.88366 -0.941469 -0.95036  
## 70 -0.54626 -0.449401 -0.35017  
## 71 -0.36214 -0.476288 -0.33781  
## 72 -0.52666 -0.522950 -0.34961  
## 73 -0.97214 -0.962705 -0.96735  
## 74 -0.98584 -0.979668 -0.96690  
## 75 -0.95558 -0.971722 -0.97344  
## 76 -0.37606 -0.290024 -0.36337  
## 77 -0.41701 -0.198848 -0.32277  
## 78 -0.54107 -0.403572 -0.21181  
## 79 -0.95722 -0.932500 -0.95230  
## 80 -0.98083 -0.962048 -0.95290  
## 81 -0.96109 -0.946281 -0.94659  
## 82 -0.60039 -0.014839 -0.12609  
## 83 -0.35455 0.056990 0.35620  
## 84 -0.45428 0.476519 0.56488  
## 85 -0.95717 -0.961143 -0.95654  
## 86 -0.98820 -0.975322 -0.96377  
## 87 -0.94779 -0.971333 -0.96817  
## 88 -0.32962 -0.420865 -0.48653  
## 89 -0.31869 -0.373208 -0.25065  
## 90 -0.41525 -0.330233 -0.47737  
## 91 -0.97701 -0.970748 -0.98478  
## 92 -0.98104 -0.958337 -0.96029  
## 93 -0.97340 -0.980110 -0.98236  
## 94 -0.65417 -0.612594 -0.36549  
## 95 -0.45419 -0.528329 -0.44464  
## 96 -0.50809 -0.586383 -0.36503  
## 97 -0.97589 -0.971484 -0.97620  
## 98 -0.98964 -0.986129 -0.97971  
## 99 -0.98137 -0.985121 -0.98554  
## 100 -0.47981 -0.454933 -0.38604  
## 101 -0.37044 -0.459282 -0.46846  
## 102 -0.49656 -0.493044 -0.23440  
## 103 -0.99287 -0.984203 -0.98511  
## 104 -0.99196 -0.986753 -0.98153  
## 105 -0.96225 -0.980417 -0.97282  
## 106 -0.70444 -0.496432 -0.51142  
## 107 -0.50247 -0.617231 -0.48366  
## 108 -0.59384 -0.507297 -0.43392  
## 109 -0.98136 -0.963618 -0.97320  
## 110 -0.98463 -0.959758 -0.96559  
## 111 -0.94611 -0.969576 -0.96073  
## 112 -0.02644 -0.114406 -0.10420  
## 113 0.26766 0.048315 -0.03141  
## 114 -0.40680 -0.172633 -0.11012  
## 115 -0.98448 -0.972942 -0.97241  
## 116 -0.97631 -0.960105 -0.94577  
## 117 -0.88675 -0.903914 -0.90734  
## 118 -0.23294 0.085832 -0.16575  
## 119 -0.20494 -0.146794 0.15972  
## 120 -0.49270 -0.104722 0.18412  
## 121 -0.97541 -0.952147 -0.98135  
## 122 -0.98841 -0.976380 -0.97697  
## 123 -0.96251 -0.955979 -0.95933  
## 124 -0.43223 -0.397892 -0.31188  
## 125 -0.44215 -0.353733 -0.34976  
## 126 -0.53191 -0.463137 0.05172  
## 127 -0.95664 -0.961885 -0.93325  
## 128 -0.98110 -0.950173 -0.94650  
## 129 -0.91784 -0.964715 -0.96058  
## 130 -0.31854 -0.486322 -0.15144  
## 131 -0.23735 -0.550303 -0.28042  
## 132 -0.30149 -0.489418 -0.15776  
## 133 -0.98185 -0.959195 -0.98392  
## 134 -0.98036 -0.948110 -0.95972  
## 135 -0.94201 -0.948075 -0.96239  
## 136 -0.49432 0.259457 -0.20963  
## 137 -0.41613 0.213826 -0.20870  
## 138 -0.55066 -0.293682 -0.03173  
## 139 -0.98265 -0.960300 -0.98170  
## 140 -0.98811 -0.977954 -0.97128  
## 141 -0.96074 -0.967299 -0.96996  
## 142 -0.58060 -0.487166 -0.39615  
## 143 -0.43192 -0.484674 -0.49108  
## 144 -0.57743 -0.568534 -0.27460  
## 145 -0.88977 -0.936631 -0.91093  
## 146 -0.98991 -0.981194 -0.97264  
## 147 -0.97136 -0.976758 -0.97181  
## 148 -0.40116 -0.604032 -0.56278  
## 149 -0.28882 -0.523378 -0.44378  
## 150 -0.48901 -0.433673 -0.56420  
## 151 -0.99033 -0.979326 -0.96930  
## 152 -0.99103 -0.973445 -0.96644  
## 153 -0.97379 -0.982408 -0.97489  
## 154 -0.49289 -0.575735 -0.35455  
## 155 -0.33131 -0.473408 -0.33205  
## 156 -0.55027 -0.603097 -0.30909  
## 157 -0.98884 -0.984287 -0.97837  
## 158 -0.98849 -0.982067 -0.97571  
## 159 -0.96990 -0.982499 -0.98128  
## 160 -0.60686 -0.529865 -0.25012  
## 161 -0.36372 -0.481813 -0.25785  
## 162 -0.56246 -0.587967 -0.16996  
## 163 -0.95516 -0.960057 -0.96237  
## 164 -0.97967 -0.956317 -0.95663  
## 165 -0.88403 -0.940006 -0.92549  
## 166 -0.50380 -0.497684 -0.24260  
## 167 -0.26811 -0.259369 -0.30703  
## 168 -0.51882 -0.479320 -0.18931  
## 169 -0.99428 -0.992751 -0.97499  
## 170 -0.99018 -0.988334 -0.97123  
## 171 -0.97799 -0.990365 -0.98337  
## 172 -0.59887 -0.181803 -0.43023  
## 173 -0.28208 -0.390460 -0.31112  
## 174 -0.32390 0.046110 -0.37482  
## 175 -0.97366 -0.966042 -0.96889  
## 176 -0.98813 -0.976478 -0.95505  
## 177 -0.91141 -0.940705 -0.93083  
## 178 -0.38792 0.006003 -0.18257  
## 179 -0.26592 -0.285392 -0.29537  
## 180 -0.49384 -0.084048 -0.21157  
## tBodyGyroJerk-mean()-X tBodyGyroJerk-mean()-Y tBodyGyroJerk-mean()-Z  
## 1 -0.10727 -0.04152 -0.074050  
## 2 -0.09368 -0.04021 -0.046703  
## 3 -0.09961 -0.04406 -0.048951  
## 4 -0.09000 -0.03984 -0.046131  
## 5 -0.07396 -0.04399 -0.027046  
## 6 -0.12223 -0.04215 -0.040713  
## 7 -0.10197 -0.03586 -0.070178  
## 8 -0.09363 -0.04156 -0.043585  
## 9 -0.10556 -0.04224 -0.054654  
## 10 -0.08188 -0.05383 -0.051494  
## 11 -0.05810 -0.04215 -0.071023  
## 12 -0.08289 -0.04241 -0.044516  
## 13 -0.10004 -0.03898 -0.068734  
## 14 -0.10361 -0.03609 -0.059008  
## 15 -0.09946 -0.04724 -0.041683  
## 16 -0.09524 -0.03879 -0.050362  
## 17 -0.07787 -0.03916 -0.041619  
## 18 -0.11551 -0.04004 -0.049818  
## 19 -0.10502 -0.03812 -0.071216  
## 20 -0.09695 -0.04185 -0.048996  
## 21 -0.10306 -0.04613 -0.049075  
## 22 -0.11532 -0.03935 -0.055117  
## 23 -0.09213 -0.03484 -0.049284  
## 24 -0.13147 -0.03905 -0.072250  
## 25 -0.10211 -0.04044 -0.070831  
## 26 -0.08897 -0.04547 -0.048771  
## 27 -0.09222 -0.03991 -0.042222  
## 28 -0.08884 -0.04496 -0.048268  
## 29 -0.11015 -0.07083 -0.039966  
## 30 -0.14303 -0.05599 -0.053490  
## 31 -0.11127 -0.04241 -0.071777  
## 32 -0.09367 -0.03340 -0.046550  
## 33 -0.10329 -0.04288 -0.050643  
## 34 -0.08789 -0.03623 -0.053960  
## 35 -0.02565 -0.07681 -0.037223  
## 36 -0.06520 -0.04577 -0.057680  
## 37 -0.10594 -0.03589 -0.067190  
## 38 -0.09382 -0.03964 -0.045457  
## 39 -0.09015 -0.04128 -0.054539  
## 40 -0.12365 -0.04478 -0.049571  
## 41 -0.05973 -0.03819 -0.078947  
## 42 -0.08566 -0.04822 -0.072452  
## 43 -0.10645 -0.03897 -0.069412  
## 44 -0.09232 -0.04027 -0.044573  
## 45 -0.09776 -0.04852 -0.047848  
## 46 -0.13589 -0.03149 -0.052268  
## 47 -0.03493 -0.05350 -0.086790  
## 48 -0.15545 -0.02792 -0.053409  
## 49 -0.10385 -0.02755 -0.056949  
## 50 -0.09307 -0.04666 -0.052841  
## 51 -0.09590 -0.04192 -0.057574  
## 52 -0.08092 -0.03563 -0.063341  
## 53 -0.09459 -0.05976 -0.067808  
## 54 -0.06847 -0.03028 -0.023633  
## 55 -0.10031 -0.03888 -0.059074  
## 56 -0.09316 -0.04112 -0.048941  
## 57 -0.10475 -0.03716 -0.058416  
## 58 -0.12271 -0.05192 -0.061126  
## 59 -0.06438 -0.04894 -0.072041  
## 60 -0.15721 -0.03723 -0.036502  
## 61 -0.10230 -0.04124 -0.066696  
## 62 -0.09484 -0.03928 -0.050540  
## 63 -0.09952 -0.03960 -0.052473  
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## 71 -0.02647 -0.06092 -0.065324  
## 72 -0.04556 -0.03354 -0.065317  
## 73 -0.10184 -0.04177 -0.064877  
## 74 -0.09592 -0.04104 -0.046612  
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## 77 -0.06472 -0.06694 -0.051202  
## 78 -0.06648 -0.04531 -0.066165  
## 79 -0.10545 -0.03727 -0.056617  
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## 82 -0.11066 -0.04390 -0.038883  
## 83 -0.10862 -0.07406 -0.061598  
## 84 -0.12827 -0.02077 -0.013724  
## 85 -0.10227 -0.04159 -0.062433  
## 86 -0.09536 -0.03961 -0.052415  
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## 88 -0.07767 -0.05525 -0.051098  
## 89 -0.04825 -0.04954 -0.033921  
## 90 -0.14449 -0.03654 -0.076724  
## 91 -0.10221 -0.03477 -0.057679  
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## 93 -0.10011 -0.04250 -0.054434  
## 94 -0.11092 -0.04339 -0.053299  
## 95 -0.10390 -0.05677 -0.061214  
## 96 -0.14091 -0.02962 -0.035416  
## 97 -0.10205 -0.03620 -0.060493  
## 98 -0.09425 -0.04111 -0.051090  
## 99 -0.10129 -0.04045 -0.054633  
## 100 -0.10996 -0.03793 -0.051381  
## 101 -0.10777 -0.03817 -0.058252  
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## 103 -0.09972 -0.03934 -0.059314  
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## 108 -0.09000 -0.05275 -0.069254  
## 109 -0.09560 -0.03715 -0.059916  
## 110 -0.10099 -0.04252 -0.059080  
## 111 -0.09905 -0.04229 -0.052377  
## 112 -0.08324 -0.03071 -0.060309  
## 113 -0.03374 -0.03946 -0.054557  
## 114 -0.10181 -0.03463 -0.053355  
## 115 -0.09950 -0.03878 -0.061003  
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## 117 -0.10205 -0.04322 -0.051815  
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## 119 -0.04525 -0.05774 -0.061531  
## 120 -0.14839 -0.01898 -0.051899  
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## 123 -0.10320 -0.04043 -0.053821  
## 124 -0.08688 -0.05157 -0.062119  
## 125 -0.07265 -0.07360 -0.078844  
## 126 -0.14435 -0.01320 -0.006941  
## 127 -0.10020 -0.03761 -0.070272  
## 128 -0.09865 -0.04234 -0.051719  
## 129 -0.09750 -0.04210 -0.051318  
## 130 -0.13298 -0.03219 -0.056981  
## 131 -0.09017 -0.03552 -0.048146  
## 132 -0.14845 -0.03813 -0.067457  
## 133 -0.10202 -0.03724 -0.062199  
## 134 -0.09674 -0.04346 -0.048556  
## 135 -0.09815 -0.04168 -0.054823  
## 136 -0.05781 -0.05167 -0.090300  
## 137 -0.11773 -0.03529 -0.029326  
## 138 -0.10991 -0.05239 -0.092500  
## 139 -0.10281 -0.03823 -0.062412  
## 140 -0.09518 -0.04062 -0.051597  
## 141 -0.09919 -0.04317 -0.051718  
## 142 -0.06253 -0.05029 -0.073984  
## 143 -0.09141 -0.02918 -0.041206  
## 144 -0.14680 -0.03174 -0.049843  
## 145 -0.10165 -0.04267 -0.059692  
## 146 -0.09548 -0.03917 -0.049560  
## 147 -0.10047 -0.04183 -0.055698  
## 148 -0.10238 -0.03990 -0.051270  
## 149 -0.12795 -0.04152 -0.064208  
## 150 -0.12648 -0.02815 -0.054045  
## 151 -0.10037 -0.03967 -0.071153  
## 152 -0.09598 -0.04031 -0.048763  
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## 156 -0.09756 -0.03862 -0.059556  
## 157 -0.10115 -0.03622 -0.064280  
## 158 -0.09516 -0.03964 -0.050388  
## 159 -0.09876 -0.04175 -0.051404  
## 160 -0.07862 -0.04770 -0.065025  
## 161 -0.05158 -0.06420 -0.062104  
## 162 -0.09375 -0.05092 -0.062901  
## 163 -0.10451 -0.03560 -0.053450  
## 164 -0.09539 -0.04080 -0.057902  
## 165 -0.10225 -0.04314 -0.052590  
## 166 -0.09297 -0.05154 -0.059355  
## 167 -0.02665 -0.05704 -0.077617  
## 168 -0.08057 -0.04926 -0.075261  
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## 170 -0.09536 -0.04000 -0.047001  
## 171 -0.09887 -0.04051 -0.054493  
## 172 -0.10689 -0.04799 -0.039237  
## 173 -0.07440 -0.06715 -0.035965  
## 174 -0.13043 -0.05110 -0.068094  
## 175 -0.10228 -0.03849 -0.059574  
## 176 -0.09527 -0.04079 -0.048820  
## 177 -0.09972 -0.04378 -0.052031  
## 178 -0.08738 -0.06170 -0.044601  
## 179 -0.06160 -0.04968 -0.054360  
## 180 -0.10841 -0.01411 -0.036416  
## tBodyGyroJerk-std()-X tBodyGyroJerk-std()-Y tBodyGyroJerk-std()-Z  
## 1 -0.91861 -0.96791 -0.957790  
## 2 -0.99173 -0.98952 -0.987936  
## 3 -0.99295 -0.99514 -0.992108  
## 4 -0.20742 -0.30447 -0.404255  
## 5 -0.48703 -0.23882 -0.268761  
## 6 -0.61479 -0.60170 -0.606332  
## 7 -0.99324 -0.98957 -0.988036  
## 8 -0.98971 -0.99089 -0.985542  
## 9 -0.97932 -0.98345 -0.973610  
## 10 -0.38955 -0.63414 -0.435493  
## 11 -0.24394 -0.46940 -0.218266  
## 12 -0.46485 -0.64549 -0.467596  
## 13 -0.98033 -0.98676 -0.983338  
## 14 -0.97255 -0.97864 -0.973752  
## 15 -0.94094 -0.96843 -0.958293  
## 16 -0.38592 -0.63909 -0.536664  
## 17 -0.28568 -0.68095 -0.374605  
## 18 -0.50727 -0.77577 -0.573434  
## 19 -0.97510 -0.98686 -0.983965  
## 20 -0.96990 -0.98444 -0.968805  
## 21 -0.94963 -0.97607 -0.957982  
## 22 -0.49234 -0.80742 -0.640454  
## 23 -0.39600 -0.81686 -0.325780  
## 24 -0.53367 -0.84072 -0.556237  
## 25 -0.98342 -0.98376 -0.989680  
## 26 -0.96604 -0.97543 -0.964879  
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## 28 -0.35768 -0.57144 -0.157683  
## 29 -0.41130 -0.51459 -0.034422  
## 30 -0.30525 -0.63182 -0.282154  
## 31 -0.93961 -0.95863 -0.959579  
## 32 -0.94371 -0.96178 -0.958788  
## 33 -0.94642 -0.96242 -0.962758  
## 34 -0.18260 -0.41639 -0.166684  
## 35 0.03934 -0.19351 0.193206  
## 36 -0.18676 -0.48649 -0.170815  
## 37 -0.97384 -0.97648 -0.988872  
## 38 -0.97437 -0.98102 -0.980955  
## 39 -0.96598 -0.97684 -0.978167  
## 40 -0.21167 -0.17414 -0.458303  
## 41 -0.51073 -0.29952 -0.425200  
## 42 -0.61681 -0.67124 -0.682184  
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## 44 -0.99326 -0.98888 -0.985241  
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## 46 -0.24608 -0.42806 -0.388447  
## 47 -0.26789 -0.07045 -0.189604  
## 48 -0.40507 -0.42468 -0.430367  
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## 65 -0.53437 -0.68459 -0.480559  
## 66 -0.66043 -0.80946 -0.777173  
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## 69 -0.95542 -0.97120 -0.973689  
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## 94 -0.67589 -0.71224 -0.571265  
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## 99 -0.98926 -0.99370 -0.992327  
## 100 -0.43130 -0.56020 -0.524423  
## 101 -0.52680 -0.57214 -0.542771  
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## 103 -0.99610 -0.99055 -0.992548  
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## 107 -0.67672 -0.75261 -0.605655  
## 108 -0.76069 -0.82887 -0.718952  
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## 110 -0.98846 -0.98747 -0.985311  
## 111 -0.97513 -0.98810 -0.983454  
## 112 0.08012 -0.29159 -0.213494  
## 113 0.17915 -0.01463 0.116646  
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## 119 -0.24924 -0.33457 0.003079  
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## 145 -0.95738 -0.97156 -0.974242  
## 146 -0.99230 -0.99132 -0.991491  
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## 152 -0.99588 -0.99314 -0.991930  
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## 178 -0.46035 -0.49762 -0.476209  
## 179 -0.54276 -0.61380 -0.498883  
## 180 -0.74275 -0.74334 -0.665151  
## tBodyAccMag-mean() tBodyAccMag-std() tGravityAccMag-mean()  
## 1 -0.8419292 -0.79514 -0.8419292  
## 2 -0.9485368 -0.92708 -0.9485368  
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## 4 -0.1369712 -0.21969 -0.1369712  
## 5 0.0271883 0.01988 0.0271883  
## 6 -0.1299276 -0.32497 -0.1299276  
## 7 -0.9774355 -0.97287 -0.9774355  
## 8 -0.9678936 -0.95308 -0.9678936  
## 9 -0.9658752 -0.95787 -0.9658752  
## 10 -0.2904076 -0.42254 -0.2904076  
## 11 0.0899511 0.21559 0.0899511  
## 12 -0.1073227 -0.20598 -0.1073227  
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## 14 -0.8953834 -0.87030 -0.8953834  
## 15 -0.9254308 -0.91514 -0.9254308  
## 16 -0.2546903 -0.32843 -0.2546903  
## 17 -0.0628126 -0.04113 -0.0628126  
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## 19 -0.9545576 -0.93129 -0.9545576  
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## 22 -0.3120506 -0.52768 -0.3120506  
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## 27 -0.9061047 -0.87977 -0.9061047  
## 28 -0.1583387 -0.37718 -0.1583387  
## 29 0.2111389 0.20542 0.2111389  
## 30 0.0435562 -0.13674 0.0435562  
## 31 -0.9188789 -0.89733 -0.9188789  
## 32 -0.9495435 -0.93157 -0.9495435  
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## 35 0.3337547 0.37361 0.3337547  
## 36 0.0177791 -0.07915 0.0177791  
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## 41 0.0198795 0.21454 0.0198795  
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## 166 -0.1806660 -0.39269 -0.1806660  
## 167 0.1043592 0.13547 0.1043592  
## 168 -0.1862405 -0.21193 -0.1862405  
## 169 -0.9864932 -0.98157 -0.9864932  
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## 175 -0.9698300 -0.96017 -0.9698300  
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## 3 -0.98194 -0.992368 -0.99310  
## 4 -0.21969 -0.141429 -0.07447  
## 5 0.01988 -0.089447 -0.02579  
## 6 -0.32497 -0.466503 -0.47899  
## 7 -0.97287 -0.987742 -0.98552  
## 8 -0.95308 -0.986775 -0.98448  
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## 10 -0.42254 -0.281424 -0.16415  
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## 88 -0.243711 -0.42580 -0.54398  
## 89 -0.121686 -0.28425 -0.50947  
## 90 -0.201217 -0.28843 -0.66364  
## 91 -0.951777 -0.95902 -0.99084  
## 92 -0.946417 -0.93794 -0.99244  
## 93 -0.972528 -0.96411 -0.99285  
## 94 -0.485932 -0.66508 -0.67154  
## 95 -0.309820 -0.42232 -0.59090  
## 96 -0.308261 -0.51819 -0.73771  
## 97 -0.960733 -0.95933 -0.98554  
## 98 -0.967178 -0.97541 -0.99633  
## 99 -0.978185 -0.97768 -0.99367  
## 100 -0.335010 -0.52249 -0.51717  
## 101 -0.232642 -0.35269 -0.54033  
## 102 -0.235191 -0.44084 -0.63737  
## 103 -0.980741 -0.98056 -0.99310  
## 104 -0.977635 -0.98137 -0.99487  
## 105 -0.963007 -0.95980 -0.98869  
## 106 -0.500471 -0.60851 -0.63649  
## 107 -0.381023 -0.50800 -0.70166  
## 108 -0.369109 -0.52806 -0.78165  
## 109 -0.953263 -0.95591 -0.98534  
## 110 -0.942229 -0.95049 -0.98945  
## 111 -0.941745 -0.93795 -0.98580  
## 112 0.100045 -0.02185 -0.16470  
## 113 0.418005 0.23782 0.08758  
## 114 -0.061616 -0.26440 -0.37279  
## 115 -0.960447 -0.96215 -0.98675  
## 116 -0.939574 -0.94107 -0.98301  
## 117 -0.883675 -0.84368 -0.94794  
## 118 0.068628 -0.03679 -0.19489  
## 119 0.093842 -0.03058 -0.26818  
## 120 0.022330 -0.25393 -0.37193  
## 121 -0.949279 -0.94929 -0.98592  
## 122 -0.964971 -0.97123 -0.99031  
## 123 -0.949837 -0.94561 -0.97686  
## 124 -0.284776 -0.40830 -0.42693  
## 125 -0.184850 -0.38842 -0.45283  
## 126 -0.168983 -0.42024 -0.57794  
## 127 -0.926616 -0.92391 -0.98172  
## 128 -0.942077 -0.93327 -0.98548  
## 129 -0.931624 -0.90078 -0.97860  
## 130 -0.210608 -0.39078 -0.46200  
## 131 -0.161333 -0.26392 -0.45958  
## 132 -0.128032 -0.20256 -0.56811  
## 133 -0.949418 -0.95723 -0.98456  
## 134 -0.936593 -0.93701 -0.98651  
## 135 -0.938430 -0.92380 -0.97640  
## 136 -0.012097 0.16335 0.01153  
## 137 0.039092 0.05400 -0.04631  
## 138 -0.156527 -0.36673 -0.50437  
## 139 -0.953792 -0.95783 -0.98278  
## 140 -0.964633 -0.96926 -0.99131  
## 141 -0.954519 -0.95310 -0.98239  
## 142 -0.403064 -0.56386 -0.50782  
## 143 -0.304966 -0.36369 -0.49715  
## 144 -0.334436 -0.50393 -0.65875  
## 145 -0.809689 -0.85602 -0.96978  
## 146 -0.966569 -0.97064 -0.99286  
## 147 -0.967077 -0.95988 -0.98509  
## 148 -0.394362 -0.48981 -0.67847  
## 149 -0.216083 -0.38216 -0.66471  
## 150 -0.318635 -0.38775 -0.77711  
## 151 -0.951864 -0.96568 -0.99220  
## 152 -0.954053 -0.96474 -0.99447  
## 153 -0.968674 -0.96265 -0.98854  
## 154 -0.392092 -0.53833 -0.51240  
## 155 -0.235315 -0.29616 -0.41878  
## 156 -0.344427 -0.51403 -0.64810  
## 157 -0.966918 -0.97192 -0.99436  
## 158 -0.963565 -0.97078 -0.99403  
## 159 -0.968703 -0.96569 -0.98953  
## 160 -0.396639 -0.48245 -0.56259  
## 161 -0.164783 -0.30795 -0.44055  
## 162 -0.286146 -0.50178 -0.69990  
## 163 -0.937107 -0.92894 -0.97822  
## 164 -0.955176 -0.95107 -0.98121  
## 165 -0.894242 -0.87692 -0.95968  
## 166 -0.310776 -0.46051 -0.54625  
## 167 -0.068246 -0.22448 -0.34042  
## 168 -0.263415 -0.47692 -0.62028  
## 169 -0.971924 -0.97704 -0.99732  
## 170 -0.962377 -0.97158 -0.99539  
## 171 -0.980657 -0.97536 -0.99214  
## 172 -0.280573 -0.35881 -0.50624  
## 173 -0.122968 -0.26741 -0.53917  
## 174 0.043963 -0.08005 -0.61734  
## 175 -0.962285 -0.95126 -0.98509  
## 176 -0.955847 -0.96064 -0.99374  
## 177 -0.913891 -0.88725 -0.97300  
## 178 -0.022964 -0.26685 -0.47207  
## 179 -0.095537 -0.20827 -0.57434  
## 180 -0.113608 -0.16929 -0.71878  
## tBodyGyroJerkMag-std() fBodyAcc-mean()-X fBodyAcc-mean()-Y  
## 1 -0.93584 -0.93910 -0.867065  
## 2 -0.98831 -0.97964 -0.944085  
## 3 -0.99473 -0.99525 -0.977071  
## 4 -0.32532 -0.20279 0.089713  
## 5 -0.30651 0.03823 0.001550  
## 6 -0.64855 -0.40432 -0.190977  
## 7 -0.98972 -0.97673 -0.979801  
## 8 -0.98959 -0.98580 -0.957343  
## 9 -0.97720 -0.98395 -0.959872  
## 10 -0.55780 -0.34605 -0.021905  
## 11 -0.34319 0.11284 0.278345  
## 12 -0.59729 -0.26672 0.009924  
## 13 -0.98314 -0.98067 -0.961170  
## 14 -0.97677 -0.97015 -0.891908  
## 15 -0.95768 -0.96012 -0.908075  
## 16 -0.56737 -0.31661 -0.081302  
## 17 -0.58392 -0.04217 -0.007700  
## 18 -0.71803 -0.39200 -0.078809  
## 19 -0.98270 -0.95880 -0.938883  
## 20 -0.97581 -0.97746 -0.905783  
## 21 -0.96428 -0.97350 -0.889549  
## 22 -0.73015 -0.42672 -0.149400  
## 23 -0.63708 -0.07224 -0.129607  
## 24 -0.75527 -0.29449 -0.117109  
## 25 -0.98377 -0.96874 -0.965420  
## 26 -0.97039 -0.97745 -0.921435  
## 27 -0.94797 -0.96450 -0.890796  
## 28 -0.48920 -0.28778 0.009460  
## 29 -0.45030 0.09843 0.079228  
## 30 -0.55799 -0.16149 0.072890  
## 31 -0.95316 -0.93911 -0.923707  
## 32 -0.95015 -0.97535 -0.928264  
## 33 -0.95254 -0.97710 -0.930336  
## 34 -0.36471 -0.18793 0.140782  
## 35 -0.11123 0.32831 0.339771  
## 36 -0.44008 -0.13108 0.097804  
## 37 -0.97121 -0.95342 -0.942194  
## 38 -0.97621 -0.97270 -0.931491  
## 39 -0.97211 -0.97668 -0.941884  
## 40 -0.09534 -0.34305 -0.064156  
## 41 -0.29478 0.04434 -0.145302  
## 42 -0.67643 -0.33620 -0.381591  
## 43 -0.96903 -0.95354 -0.951817  
## 44 -0.98676 -0.98114 -0.944220  
## 45 -0.98246 -0.98822 -0.950049  
## 46 -0.50296 -0.24739 0.316982  
## 47 -0.15748 0.13659 0.388413  
## 48 -0.49398 -0.16641 0.263431  
## 49 -0.95280 -0.94687 -0.934367  
## 50 -0.96636 -0.95941 -0.911683  
## 51 -0.96529 -0.97166 -0.944849  
## 52 -0.59987 -0.29471 -0.257678  
## 53 -0.45586 0.10313 -0.183120  
## 54 -0.74865 -0.34274 -0.405023  
## 55 -0.95963 -0.96918 -0.954342  
## 56 -0.99170 -0.98494 -0.940450  
## 57 -0.96441 -0.97010 -0.923379  
## 58 -0.50103 -0.11419 0.053391  
## 59 -0.49411 0.21567 0.009047  
## 60 -0.61827 -0.13941 -0.039069  
## 61 -0.98448 -0.98380 -0.971404  
## 62 -0.98626 -0.98148 -0.934503  
## 63 -0.99258 -0.99381 -0.968703  
## 64 -0.75367 -0.39653 -0.083048  
## 65 -0.67775 0.03519 0.024751  
## 66 -0.80113 -0.35535 -0.254645  
## 67 -0.96201 -0.95625 -0.951266  
## 68 -0.97826 -0.97967 -0.942768  
## 69 -0.96192 -0.97647 -0.932776  
## 70 -0.54889 -0.05436 -0.071302  
## 71 -0.45245 0.02350 0.150510  
## 72 -0.71341 -0.32145 -0.168342  
## 73 -0.97511 -0.97472 -0.965844  
## 74 -0.99141 -0.99014 -0.959674  
## 75 -0.97620 -0.98943 -0.959428  
## 76 -0.32212 -0.33503 0.095515  
## 77 -0.27649 -0.07266 -0.036454  
## 78 -0.66922 -0.38246 -0.063656  
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## 80 -0.98696 -0.97646 -0.932645  
## 81 -0.96683 -0.97270 -0.942178  
## 82 -0.60610 -0.42150 -0.174602  
## 83 -0.27474 0.02125 0.371482  
## 84 -0.48582 -0.32351 0.016394  
## 85 -0.97365 -0.97402 -0.962461  
## 86 -0.98972 -0.98662 -0.938926  
## 87 -0.98143 -0.98672 -0.943349  
## 88 -0.63779 -0.31744 0.111321  
## 89 -0.56364 0.23531 0.167518  
## 90 -0.74895 -0.07463 -0.101935  
## 91 -0.98821 -0.98021 -0.963636  
## 92 -0.98826 -0.98704 -0.961457  
## 93 -0.99081 -0.98943 -0.969314  
## 94 -0.72281 -0.39479 -0.321501  
## 95 -0.59582 0.03683 -0.134598  
## 96 -0.79729 -0.47498 -0.268064  
## 97 -0.98204 -0.97436 -0.954648  
## 98 -0.99445 -0.99397 -0.969928  
## 99 -0.99237 -0.99093 -0.974171  
## 100 -0.53971 -0.36099 -0.065027  
## 101 -0.59232 -0.02262 -0.130273  
## 102 -0.68231 -0.13975 -0.117520  
## 103 -0.99215 -0.98518 -0.984910  
## 104 -0.99487 -0.99314 -0.976539  
## 105 -0.98852 -0.99041 -0.961239  
## 106 -0.72659 -0.37148 -0.243606  
## 107 -0.74416 -0.35009 -0.309050  
## 108 -0.83553 -0.46510 -0.363451  
## 109 -0.98025 -0.97453 -0.972799  
## 110 -0.98583 -0.97924 -0.960763  
## 111 -0.98307 -0.98735 -0.952873  
## 112 -0.27149 -0.02998 0.169259  
## 113 -0.04390 0.53701 0.494458  
## 114 -0.50740 -0.15688 0.111818  
## 115 -0.98108 -0.96573 -0.965596  
## 116 -0.97508 -0.98120 -0.945199  
## 117 -0.92633 -0.96193 -0.898194  
## 118 -0.14986 -0.14740 0.403466  
## 119 -0.27559 -0.03433 0.524188  
## 120 -0.45540 -0.14044 -0.029383  
## 121 -0.98225 -0.96823 -0.960069  
## 122 -0.99030 -0.99061 -0.968061  
## 123 -0.97615 -0.97833 -0.949695  
## 124 -0.45037 -0.27350 0.033847  
## 125 -0.50913 0.10432 0.181138  
## 126 -0.64772 -0.31917 0.022160  
## 127 -0.97420 -0.95376 -0.925525  
## 128 -0.97650 -0.97851 -0.939546  
## 129 -0.96609 -0.98037 -0.929161  
## 130 -0.50311 -0.09949 0.145368  
## 131 -0.61766 0.19535 0.225767  
## 132 -0.67563 -0.05540 0.130687  
## 133 -0.98131 -0.97004 -0.982072  
## 134 -0.97923 -0.98633 -0.953460  
## 135 -0.97239 -0.98363 -0.962832  
## 136 0.25017 -0.27540 -0.072437  
## 137 0.05949 0.20543 0.095943  
## 138 -0.55128 -0.27261 -0.076977  
## 139 -0.97866 -0.97589 -0.980830  
## 140 -0.99072 -0.98953 -0.962773  
## 141 -0.98000 -0.98418 -0.948970  
## 142 -0.55602 -0.49242 -0.203194  
## 143 -0.45916 -0.22232 -0.086183  
## 144 -0.63818 -0.39579 -0.252413  
## 145 -0.96831 -0.92915 -0.784946  
## 146 -0.99177 -0.99141 -0.959117  
## 147 -0.98323 -0.99009 -0.959846  
## 148 -0.75703 -0.60904 -0.251880  
## 149 -0.67961 -0.37225 -0.196381  
## 150 -0.82488 -0.52165 -0.380151  
## 151 -0.98992 -0.97326 -0.983664  
## 152 -0.99403 -0.98258 -0.954299  
## 153 -0.98425 -0.99199 -0.958402  
## 154 -0.60347 -0.32196 -0.146702  
## 155 -0.46314 0.02280 -0.006237  
## 156 -0.66183 -0.24282 -0.185528  
## 157 -0.99348 -0.98063 -0.982916  
## 158 -0.99211 -0.98868 -0.974058  
## 159 -0.98882 -0.99012 -0.961356  
## 160 -0.61872 -0.30870 -0.136784  
## 161 -0.46581 0.08298 -0.062673  
## 162 -0.72467 -0.41761 -0.249689  
## 163 -0.96977 -0.97393 -0.958436  
## 164 -0.97844 -0.97982 -0.946352  
## 165 -0.95627 -0.97252 -0.893430  
## 166 -0.57986 -0.28006 -0.127912  
## 167 -0.40713 0.08907 0.186442  
## 168 -0.67013 -0.26610 -0.190589  
## 169 -0.99767 -0.98663 -0.989034  
## 170 -0.99491 -0.99109 -0.969610  
## 171 -0.99145 -0.99502 -0.973346  
## 172 -0.61222 -0.13582 -0.034964  
## 173 -0.59706 0.11066 -0.021229  
## 174 -0.71285 -0.10979 -0.196012  
## 175 -0.97618 -0.97479 -0.959974  
## 176 -0.99128 -0.98501 -0.954076  
## 177 -0.95600 -0.97201 -0.919475  
## 178 -0.54698 -0.35140 -0.193857  
## 179 -0.61766 -0.10697 -0.021664  
## 180 -0.77444 -0.42040 -0.297814  
## fBodyAcc-mean()-Z fBodyAcc-std()-X fBodyAcc-std()-Y fBodyAcc-std()-Z  
## 1 -0.88267 -0.924437 -0.833626 -0.81289  
## 2 -0.95918 -0.976412 -0.917275 -0.93447  
## 3 -0.98530 -0.996028 -0.972293 -0.97794  
## 4 -0.33156 -0.319135 0.056040 -0.27969  
## 5 -0.22557 0.024331 -0.112964 -0.29793  
## 6 -0.43335 -0.337428 0.021770 0.08596  
## 7 -0.98438 -0.973246 -0.981025 -0.98479  
## 8 -0.97016 -0.987362 -0.950074 -0.95686  
## 9 -0.96247 -0.989056 -0.957909 -0.94643  
## 10 -0.45381 -0.457651 -0.169220 -0.45522  
## 11 -0.13129 0.016105 0.171974 -0.16203  
## 12 -0.28100 -0.320582 0.084880 -0.09454  
## 13 -0.96833 -0.983691 -0.964095 -0.96328  
## 14 -0.91799 -0.971606 -0.849656 -0.86432  
## 15 -0.93951 -0.969931 -0.892434 -0.90480  
## 16 -0.41237 -0.379277 -0.124031 -0.42300  
## 17 -0.40445 -0.065442 -0.109722 -0.38972  
## 18 -0.50449 -0.285333 -0.008040 -0.35080  
## 19 -0.96750 -0.952465 -0.946381 -0.96215  
## 20 -0.95178 -0.981908 -0.889467 -0.92700  
## 21 -0.93164 -0.978738 -0.857380 -0.88755  
## 22 -0.63101 -0.447235 -0.101799 -0.59420  
## 23 -0.49468 0.039010 -0.322531 -0.51269  
## 24 -0.52466 -0.173217 -0.101434 -0.34511  
## 25 -0.97701 -0.964954 -0.972909 -0.96588  
## 26 -0.94606 -0.982591 -0.902292 -0.92184  
## 27 -0.91508 -0.970668 -0.867933 -0.85823  
## 28 -0.49025 -0.297517 0.042603 -0.48306  
## 29 -0.37474 0.336555 0.026827 -0.35340  
## 30 -0.45747 -0.004738 0.165038 -0.28926  
## 31 -0.93804 -0.932463 -0.929711 -0.92400  
## 32 -0.93580 -0.982451 -0.925677 -0.92577  
## 33 -0.94286 -0.984067 -0.921449 -0.92207  
## 34 -0.49852 -0.345228 0.101700 -0.55047  
## 35 -0.27760 0.403370 0.283248 -0.40601  
## 36 -0.42725 -0.021134 0.159124 -0.36587  
## 37 -0.95861 -0.931121 -0.922918 -0.95338  
## 38 -0.90468 -0.972880 -0.904629 -0.84408  
## 39 -0.93855 -0.980541 -0.919119 -0.91236  
## 40 0.03858 -0.322035 -0.143722 0.13332  
## 41 -0.13922 0.073011 -0.190187 -0.10012  
## 42 -0.31746 -0.279870 -0.341026 -0.12491  
## 43 -0.94427 -0.940125 -0.931237 -0.93115  
## 44 -0.95944 -0.978257 -0.923830 -0.93389  
## 45 -0.95036 -0.989184 -0.936232 -0.91974  
## 46 -0.23863 -0.148387 0.324845 -0.15844  
## 47 0.15959 -0.026046 0.232184 0.02149  
## 48 -0.07295 -0.175285 0.305401 0.13377  
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## 52 -0.25081 -0.218020 -0.223973 -0.03380  
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## 58 -0.41218 -0.206366 -0.129776 -0.43530  
## 59 -0.15773 0.324958 -0.063334 -0.26869  
## 60 -0.30121 -0.171957 -0.051628 -0.03423  
## 61 -0.97358 -0.985322 -0.973589 -0.97167  
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## 63 -0.98767 -0.995574 -0.963507 -0.98596  
## 64 -0.61640 -0.433703 -0.096607 -0.52309  
## 65 -0.37762 0.179907 0.026278 -0.34863  
## 66 -0.55174 -0.198734 -0.088505 -0.11370  
## 67 -0.95472 -0.955208 -0.950640 -0.94838  
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## 69 -0.94718 -0.983647 -0.922852 -0.91419  
## 70 -0.42233 -0.160707 -0.208515 -0.45215  
## 71 -0.40212 0.048335 0.016750 -0.48739  
## 72 -0.56084 -0.278930 -0.130176 -0.41860  
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## 74 -0.95618 -0.989411 -0.933667 -0.93419  
## 75 -0.97757 -0.991818 -0.947180 -0.96405  
## 76 -0.24685 -0.353300 0.092197 -0.26990  
## 77 -0.15118 -0.068044 -0.092444 -0.23332  
## 78 -0.40479 -0.266081 0.114657 -0.18484  
## 79 -0.92788 -0.911973 -0.905221 -0.89406  
## 80 -0.94413 -0.976303 -0.911591 -0.91768  
## 81 -0.94242 -0.973606 -0.926056 -0.91778  
## 82 -0.17737 -0.395860 -0.054271 0.08549  
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## 84 0.19169 -0.304980 0.356073 0.68712  
## 85 -0.95157 -0.971719 -0.964590 -0.92392  
## 86 -0.96323 -0.987385 -0.919163 -0.94570  
## 87 -0.96547 -0.990061 -0.930286 -0.94791  
## 88 -0.55494 -0.332521 0.080565 -0.53703  
## 89 -0.25981 0.466326 0.119994 -0.35741  
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## 168 -0.370274 -0.349027 -0.687908  
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## 5 -0.35245 -0.05570 -0.03187  
## 6 -0.49261 -0.31947 -0.45360  
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## 16 -0.43785 -0.56153 -0.41813  
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## 28 -0.37267 -0.51395 -0.21313  
## 29 -0.29535 -0.38248 -0.03418  
## 30 -0.26362 -0.51661 -0.13980  
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## 34 -0.23965 -0.34138 -0.20358  
## 35 0.06337 -0.13033 0.15285  
## 36 -0.11507 -0.32965 -0.04641  
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## 40 -0.31840 -0.15197 -0.36673  
## 41 -0.33930 -0.21444 -0.29960  
## 42 -0.38389 -0.56792 -0.40815  
## 43 -0.95790 -0.95741 -0.96746  
## 44 -0.98220 -0.97659 -0.96180  
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## 46 -0.10206 -0.25973 -0.13290  
## 47 -0.13074 0.11609 0.02775  
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## fBodyGyro-std()-X fBodyGyro-std()-Y fBodyGyro-std()-Z  
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## 116 -0.9784 -0.95802 -0.94918  
## 117 -0.8905 -0.90124 -0.91487  
## 118 -0.2799 0.10770 -0.26496  
## 119 -0.2534 -0.15996 0.01831  
## 120 -0.5320 -0.07905 0.09548  
## 121 -0.9762 -0.94660 -0.98327  
## 122 -0.9896 -0.97472 -0.97913  
## 123 -0.9645 -0.95408 -0.96312  
## 124 -0.4919 -0.41940 -0.38551  
## 125 -0.4698 -0.38842 -0.45077  
## 126 -0.5610 -0.47830 0.01309  
## 127 -0.9580 -0.96071 -0.93697  
## 128 -0.9824 -0.94611 -0.95105  
## 129 -0.9199 -0.96217 -0.96365  
## 130 -0.3745 -0.48162 -0.25317  
## 131 -0.2845 -0.57034 -0.37732  
## 132 -0.3381 -0.47388 -0.22243  
## 133 -0.9827 -0.95500 -0.98532  
## 134 -0.9815 -0.94373 -0.96191  
## 135 -0.9417 -0.94587 -0.96425  
## 136 -0.5451 0.28658 -0.28782  
## 137 -0.4826 0.12605 -0.30590  
## 138 -0.5904 -0.30162 -0.08225  
## 139 -0.9847 -0.95779 -0.98360  
## 140 -0.9889 -0.97625 -0.97285  
## 141 -0.9619 -0.96580 -0.97269  
## 142 -0.6169 -0.49590 -0.45334  
## 143 -0.4849 -0.52341 -0.57328  
## 144 -0.6029 -0.58618 -0.31200  
## 145 -0.8913 -0.93229 -0.91547  
## 146 -0.9906 -0.97983 -0.97417  
## 147 -0.9727 -0.97596 -0.97498  
## 148 -0.4067 -0.56720 -0.60354  
## 149 -0.3163 -0.47064 -0.50674  
## 150 -0.5001 -0.34936 -0.60111  
## 151 -0.9910 -0.97749 -0.97179  
## 152 -0.9913 -0.96949 -0.96827  
## 153 -0.9753 -0.98174 -0.97735  
## 154 -0.5330 -0.58794 -0.42623  
## 155 -0.3982 -0.49751 -0.43448  
## 156 -0.5908 -0.59824 -0.36205  
## 157 -0.9894 -0.98305 -0.98010  
## 158 -0.9890 -0.98104 -0.97760  
## 159 -0.9702 -0.98186 -0.98311  
## 160 -0.6423 -0.53094 -0.29785  
## 161 -0.3910 -0.54303 -0.36782  
## 162 -0.5743 -0.58787 -0.18351  
## 163 -0.9581 -0.95755 -0.96631  
## 164 -0.9816 -0.95321 -0.96156  
## 165 -0.8867 -0.93610 -0.93204  
## 166 -0.5455 -0.49747 -0.30824  
## 167 -0.3455 -0.29311 -0.41651  
## 168 -0.5564 -0.45999 -0.22624  
## 169 -0.9947 -0.99224 -0.97686  
## 170 -0.9907 -0.98726 -0.97291  
## 171 -0.9792 -0.98964 -0.98471  
## 172 -0.6543 -0.09414 -0.49412  
## 173 -0.3191 -0.35487 -0.41617  
## 174 -0.3503 0.23435 -0.44415  
## 175 -0.9745 -0.96513 -0.97220  
## 176 -0.9885 -0.97380 -0.95731  
## 177 -0.9117 -0.93947 -0.93518  
## 178 -0.3990 0.09555 -0.23794  
## 179 -0.2784 -0.25573 -0.37154  
## 180 -0.5035 0.04495 -0.25343  
## fBodyAccMag-mean() fBodyAccMag-std() fBodyBodyAccJerkMag-mean()  
## 1 -0.861768 -0.7983009 -0.9333004  
## 2 -0.947783 -0.9284448 -0.9852621  
## 3 -0.985356 -0.9823138 -0.9925425  
## 4 -0.128623 -0.3980326 -0.0571194  
## 5 0.096585 -0.1865303 0.0262185  
## 6 -0.352396 -0.4162601 -0.4426522  
## 7 -0.975110 -0.9751214 -0.9853741  
## 8 -0.961274 -0.9555756 -0.9838747  
## 9 -0.964052 -0.9605194 -0.9770653  
## 10 -0.324289 -0.5771052 -0.1690644  
## 11 0.293425 -0.0214788 0.2222474  
## 12 -0.145319 -0.3667282 -0.1895111  
## 13 -0.965524 -0.9683502 -0.9759496  
## 14 -0.904186 -0.8746266 -0.9658889  
## 15 -0.926969 -0.9218361 -0.9486275  
## 16 -0.290032 -0.4563731 -0.1867645  
## 17 0.028941 -0.2338494 -0.0494780  
## 18 -0.315866 -0.4479944 -0.4129209  
## 19 -0.939390 -0.9371880 -0.9622871  
## 20 -0.929002 -0.9198157 -0.9625007  
## 21 -0.917614 -0.8953400 -0.9561393  
## 22 -0.450805 -0.6511726 -0.3185878  
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## 24 -0.276825 -0.3010059 -0.3974063  
## 25 -0.962235 -0.9625254 -0.9773564  
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## 27 -0.904641 -0.8867452 -0.9418259  
## 28 -0.304992 -0.5196369 -0.2694817  
## 29 0.155742 0.0428534 0.0091839  
## 30 -0.169262 -0.2540919 -0.2646749  
## 31 -0.912352 -0.9053740 -0.9486555  
## 32 -0.935750 -0.9395472 -0.9483487  
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## 34 -0.201387 -0.4216831 -0.0554014  
## 35 0.395958 0.1446228 0.2438343  
## 36 -0.081948 -0.2221614 -0.1698682  
## 37 -0.927977 -0.9105425 -0.9680663  
## 38 -0.908957 -0.8869156 -0.9709542  
## 39 -0.945611 -0.9372880 -0.9674179  
## 40 -0.151244 -0.3517068 -0.0384187  
## 41 0.218911 0.0214441 0.0673899  
## 42 -0.378619 -0.4153071 -0.4547832  
## 43 -0.932280 -0.9172580 -0.9617929  
## 44 -0.947982 -0.9317212 -0.9809323  
## 45 -0.953746 -0.9386282 -0.9797459  
## 46 -0.095217 -0.3608190 -0.1238344  
## 47 0.301627 -0.1561411 0.3315285  
## 48 -0.130265 -0.4092829 -0.1318506  
## 49 -0.926604 -0.9219297 -0.9543206  
## 50 -0.897718 -0.8691725 -0.9530504  
## 51 -0.946330 -0.9402655 -0.9632429  
## 52 -0.318801 -0.5138920 -0.3168707  
## 53 0.222204 0.0888672 0.0071688  
## 54 -0.372890 -0.5099295 -0.4195331  
## 55 -0.950848 -0.9443050 -0.9685611  
## 56 -0.955281 -0.9415120 -0.9859008  
## 57 -0.940110 -0.9450482 -0.9516337  
## 58 -0.093024 -0.3704719 0.0205190  
## 59 0.220116 -0.0616743 0.1569780  
## 60 -0.166867 -0.3614375 -0.1535531  
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## 65 0.090281 -0.1371231 -0.0974550  
## 66 -0.336061 -0.3760279 -0.4759285  
## 67 -0.943867 -0.9421333 -0.9624484  
## 68 -0.955944 -0.9506472 -0.9717153  
## 69 -0.945218 -0.9397419 -0.9608590  
## 70 -0.153116 -0.4088963 -0.0299124  
## 71 0.148017 -0.1051250 0.0769968  
## 72 -0.290005 -0.3952851 -0.3208845  
## 73 -0.959535 -0.9494313 -0.9807544  
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## 75 -0.972394 -0.9704454 -0.9819775  
## 76 -0.234601 -0.4383890 -0.1521115  
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## 78 -0.367523 -0.4090655 -0.4251000  
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## 80 -0.940590 -0.9291939 -0.9729853  
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## 82 -0.373517 -0.4574900 -0.4315915  
## 83 0.471905 0.1786846 0.1862235  
## 84 -0.075985 -0.1432539 -0.2887443  
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## 86 -0.949752 -0.9411959 -0.9846894  
## 87 -0.960337 -0.9502040 -0.9790788  
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## 89 0.331150 0.1531242 0.1584133  
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## 91 -0.968021 -0.9581119 -0.9875145  
## 92 -0.958335 -0.9425883 -0.9839686  
## 93 -0.971083 -0.9571736 -0.9865027  
## 94 -0.410463 -0.5921510 -0.3782785  
## 95 0.114032 -0.0534137 -0.0745659  
## 96 -0.370650 -0.4189243 -0.4755977  
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## 99 -0.980968 -0.9755048 -0.9901628  
## 100 -0.429380 -0.5651625 -0.3359389  
## 101 0.058068 -0.0618877 -0.1886804  
## 102 -0.150306 -0.2173932 -0.3602999  
## 103 -0.986788 -0.9876485 -0.9885484  
## 104 -0.984781 -0.9822262 -0.9904071  
## 105 -0.976798 -0.9732649 -0.9849871  
## 106 -0.424387 -0.5655631 -0.4140378  
## 107 -0.241974 -0.3442994 -0.3833987  
## 108 -0.436561 -0.4362189 -0.5744814  
## 109 -0.971957 -0.9640568 -0.9806216  
## 110 -0.962633 -0.9528023 -0.9837516  
## 111 -0.968911 -0.9642591 -0.9791354  
## 112 0.032227 -0.3247934 0.0730180  
## 113 0.586638 0.0828631 0.5384048  
## 114 -0.079629 -0.3682535 -0.1873913  
## 115 -0.952827 -0.9418941 -0.9796955  
## 116 -0.946913 -0.9421512 -0.9717305  
## 117 -0.921226 -0.9186519 -0.9400079  
## 118 -0.003533 -0.3899340 0.0545269  
## 119 0.151888 0.0002422 0.0137917  
## 120 -0.205009 -0.3202410 -0.2150140  
## 121 -0.953769 -0.9444491 -0.9784441  
## 122 -0.974829 -0.9744476 -0.9853424  
## 123 -0.962291 -0.9600418 -0.9706343  
## 124 -0.251266 -0.4381498 -0.1440099  
## 125 0.239896 0.0791271 0.1124426  
## 126 -0.257894 -0.4033576 -0.3554437  
## 127 -0.929819 -0.9132673 -0.9626548  
## 128 -0.943078 -0.9267980 -0.9689083  
## 129 -0.949044 -0.9437391 -0.9597439  
## 130 -0.024158 -0.3813993 0.0659727  
## 131 0.155527 -0.0575203 0.0224784  
## 132 -0.086691 -0.3341262 -0.0458020  
## 133 -0.967747 -0.9584657 -0.9859057  
## 134 -0.945838 -0.9270901 -0.9741215  
## 135 -0.957986 -0.9552914 -0.9737982  
## 136 -0.094261 -0.4075775 -0.0180706  
## 137 0.364830 -0.0453930 0.3350097  
## 138 -0.231383 -0.4100476 -0.3029681  
## 139 -0.973171 -0.9710630 -0.9831081  
## 140 -0.968905 -0.9658523 -0.9844700  
## 141 -0.960066 -0.9495226 -0.9722514  
## 142 -0.434619 -0.5902658 -0.4186410  
## 143 -0.023170 -0.1752917 -0.2008301  
## 144 -0.322301 -0.4062834 -0.4298008  
## 145 -0.774482 -0.6513532 -0.9600831  
## 146 -0.967018 -0.9619973 -0.9879418  
## 147 -0.972355 -0.9702037 -0.9822942  
## 148 -0.566060 -0.6329275 -0.5645913  
## 149 -0.288155 -0.3594371 -0.4716421  
## 150 -0.527908 -0.5361203 -0.6547951  
## 151 -0.969269 -0.9665766 -0.9891382  
## 152 -0.952411 -0.9345877 -0.9894819  
## 153 -0.970605 -0.9639093 -0.9828769  
## 154 -0.379837 -0.5371840 -0.2933583  
## 155 0.075102 0.0057494 -0.1531720  
## 156 -0.167566 -0.2742262 -0.2949705  
## 157 -0.981389 -0.9802963 -0.9880989  
## 158 -0.974766 -0.9708853 -0.9887733  
## 159 -0.973186 -0.9675291 -0.9841516  
## 160 -0.327229 -0.5503926 -0.2599340  
## 161 0.149816 -0.0712120 0.0108576  
## 162 -0.393929 -0.4687077 -0.4607703  
## 163 -0.961036 -0.9575640 -0.9734362  
## 164 -0.953928 -0.9522814 -0.9691787  
## 165 -0.929146 -0.9238572 -0.9527278  
## 166 -0.352157 -0.5115737 -0.3608115  
## 167 0.188840 -0.0740586 -0.0128824  
## 168 -0.213519 -0.3346262 -0.2944334  
## 169 -0.986801 -0.9815998 -0.9939983  
## 170 -0.973347 -0.9712180 -0.9900937  
## 171 -0.984548 -0.9822477 -0.9897939  
## 172 -0.235683 -0.3932575 -0.1089782  
## 173 0.115974 -0.0330868 0.0004489  
## 174 -0.108306 -0.1559938 -0.2391080  
## 175 -0.962841 -0.9640518 -0.9699493  
## 176 -0.959923 -0.9435437 -0.9858263  
## 177 -0.932047 -0.9217332 -0.9533576  
## 178 -0.342364 -0.4698528 -0.3471801  
## 179 0.004102 -0.1785352 -0.1259614  
## 180 -0.400588 -0.3945081 -0.5497849  
## fBodyBodyAccJerkMag-std() fBodyBodyGyroMag-mean()  
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## 2 -0.98161 -0.9584356  
## 3 -0.99254 -0.9846176  
## 4 -0.10349 -0.1992526  
## 5 -0.10405 -0.1857203  
## 6 -0.53306 -0.3259615  
## 7 -0.98457 -0.9721130  
## 8 -0.98412 -0.9718406  
## 9 -0.97516 -0.9617759  
## 10 -0.16409 -0.5307048  
## 11 0.22748 -0.3208385  
## 12 -0.26042 -0.4506122  
## 13 -0.97531 -0.9645867  
## 14 -0.96657 -0.9466649  
## 15 -0.94821 -0.9136824  
## 16 -0.08985 -0.5697558  
## 17 -0.15910 -0.3323766  
## 18 -0.48061 -0.5142116  
## 19 -0.95804 -0.9615567  
## 20 -0.96158 -0.9487698  
## 21 -0.96003 -0.9142092  
## 22 -0.32046 -0.6092856  
## 23 -0.28043 -0.4292134  
## 24 -0.49732 -0.5757941  
## 25 -0.97638 -0.9682571  
## 26 -0.96655 -0.9447603  
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## 30 -0.37862 -0.3925645  
## 31 -0.95155 -0.9301536  
## 32 -0.94730 -0.9297257  
## 33 -0.95538 -0.9266643  
## 34 -0.09650 -0.3296811  
## 35 0.15481 -0.0143735  
## 36 -0.17773 -0.2306270  
## 37 -0.96536 -0.9411307  
## 38 -0.96849 -0.9330820  
## 39 -0.96909 -0.9387050  
## 40 -0.02214 -0.1929098  
## 41 0.10786 -0.2550451  
## 42 -0.49744 -0.5339829  
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## 47 0.13473 -0.0003627  
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## 49 -0.95509 -0.9186053  
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## 51 -0.96359 -0.9297691  
## 52 -0.32234 -0.5137975  
## 53 0.07055 -0.3475402  
## 54 -0.48494 -0.5314827  
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## 58 0.05021 -0.4126169  
## 59 0.03803 -0.3123475  
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## 61 -0.97513 -0.9670934  
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## 73 -0.97804 -0.9576816  
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## 84 -0.40985 0.0488589  
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## 113 0.31635 0.2039798  
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## 137 0.22448 0.1508257  
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## 167 -0.08836 -0.2233548  
## 168 -0.37450 -0.5348354  
## 169 -0.99437 -0.9840013  
## 170 -0.98982 -0.9802694  
## 171 -0.99033 -0.9808797  
## 172 -0.16951 -0.4168179  
## 173 -0.07977 -0.3814599  
## 174 -0.28058 -0.3572139  
## 175 -0.96809 -0.9620012  
## 176 -0.98529 -0.9738763  
## 177 -0.94664 -0.9174494  
## 178 -0.36654 -0.3583444  
## 179 -0.13312 -0.3567723  
## 180 -0.58088 -0.4491507  
## fBodyBodyGyroMag-std() fBodyBodyGyroJerkMag-mean()  
## 1 -0.82432 -0.94237  
## 2 -0.93220 -0.98980  
## 3 -0.97847 -0.99482  
## 4 -0.32102 -0.31931  
## 5 -0.39835 -0.28196  
## 6 -0.18299 -0.63467  
## 7 -0.96110 -0.99025  
## 8 -0.96139 -0.98986  
## 9 -0.95679 -0.97785  
## 10 -0.65179 -0.58325  
## 11 -0.37258 -0.38018  
## 12 -0.43862 -0.60080  
## 13 -0.95544 -0.98428  
## 14 -0.92545 -0.97790  
## 15 -0.88344 -0.96033  
## 16 -0.63264 -0.60775  
## 17 -0.32244 -0.57628  
## 18 -0.44518 -0.71688  
## 19 -0.94710 -0.98361  
## 20 -0.92885 -0.97655  
## 21 -0.88719 -0.96447  
## 22 -0.59394 -0.72433  
## 23 -0.45767 -0.62175  
## 24 -0.55249 -0.74075  
## 25 -0.95926 -0.98462  
## 26 -0.93475 -0.97160  
## 27 -0.86891 -0.95229  
## 28 -0.58974 -0.54805  
## 29 -0.48414 -0.45370  
## 30 -0.44045 -0.57134  
## 31 -0.92869 -0.95370  
## 32 -0.92955 -0.95203  
## 33 -0.92311 -0.95543  
## 34 -0.51065 -0.36650  
## 35 -0.24235 -0.13271  
## 36 -0.31817 -0.45924  
## 37 -0.91889 -0.97412  
## 38 -0.89580 -0.97863  
## 39 -0.91985 -0.97367  
## 40 -0.34389 -0.15534  
## 41 -0.39691 -0.28910  
## 42 -0.44499 -0.67333  
## 43 -0.93679 -0.96840  
## 44 -0.95325 -0.98773  
## 45 -0.95412 -0.98371  
## 46 -0.32746 -0.47303  
## 47 -0.25559 -0.12518  
## 48 -0.18333 -0.46327  
## 49 -0.90340 -0.95581  
## 50 -0.90647 -0.96832  
## 51 -0.91091 -0.96749  
## 52 -0.56271 -0.60258  
## 53 -0.42417 -0.46317  
## 54 -0.45684 -0.73416  
## 55 -0.93370 -0.96098  
## 56 -0.96246 -0.99219  
## 57 -0.92296 -0.96561  
## 58 -0.49976 -0.51507  
## 59 -0.38778 -0.48420  
## 60 -0.16697 -0.60058  
## 61 -0.95485 -0.98598  
## 62 -0.96071 -0.98726  
## 63 -0.97744 -0.99298  
## 64 -0.59975 -0.75191  
## 65 -0.38056 -0.66834  
## 66 -0.38122 -0.79599  
## 67 -0.94037 -0.96395  
## 68 -0.94846 -0.97848  
## 69 -0.85003 -0.96306  
## 70 -0.49480 -0.56118  
## 71 -0.42355 -0.45823  
## 72 -0.56444 -0.71433  
## 73 -0.94613 -0.97815  
## 74 -0.96427 -0.99172  
## 75 -0.94686 -0.97720  
## 76 -0.37995 -0.33853  
## 77 -0.40056 -0.26640  
## 78 -0.47077 -0.65609  
## 79 -0.91776 -0.96646  
## 80 -0.94652 -0.98732  
## 81 -0.93482 -0.96918  
## 82 -0.26550 -0.59104  
## 83 -0.22393 -0.25475  
## 84 0.23666 -0.45725  
## 85 -0.92368 -0.97573  
## 86 -0.96338 -0.99018  
## 87 -0.92884 -0.98319  
## 88 -0.48175 -0.64508  
## 89 -0.34939 -0.56540  
## 90 -0.30859 -0.73142  
## 91 -0.95898 -0.98870  
## 92 -0.93886 -0.98936  
## 93 -0.96357 -0.99117  
## 94 -0.72114 -0.72068  
## 95 -0.47994 -0.58966  
## 96 -0.53249 -0.78783  
## 97 -0.96002 -0.98277  
## 98 -0.97471 -0.99520  
## 99 -0.97726 -0.99272  
## 100 -0.61532 -0.58271  
## 101 -0.42887 -0.57735  
## 102 -0.49644 -0.66901  
## 103 -0.98147 -0.99190  
## 104 -0.98125 -0.99481  
## 105 -0.95911 -0.98896  
## 106 -0.66891 -0.71060  
## 107 -0.53384 -0.74424  
## 108 -0.53304 -0.82619  
## 109 -0.95750 -0.98189  
## 110 -0.95048 -0.98673  
## 111 -0.93672 -0.98454  
## 112 -0.14160 -0.26244  
## 113 0.03204 -0.02290  
## 114 -0.37713 -0.47718  
## 115 -0.96421 -0.98112  
## 116 -0.94373 -0.97611  
## 117 -0.84913 -0.92960  
## 118 -0.19621 -0.18037  
## 119 -0.15168 -0.31167  
## 120 -0.36095 -0.45039  
## 121 -0.94974 -0.98299  
## 122 -0.97203 -0.99001  
## 123 -0.94776 -0.97613  
## 124 -0.51225 -0.49960  
## 125 -0.48449 -0.49080  
## 126 -0.48341 -0.62892  
## 127 -0.92355 -0.97664  
## 128 -0.93356 -0.97778  
## 129 -0.90022 -0.96838  
## 130 -0.46402 -0.55395  
## 131 -0.34186 -0.58351  
## 132 -0.23402 -0.66800  
## 133 -0.95903 -0.98185  
## 134 -0.93868 -0.98071  
## 135 -0.92481 -0.97260  
## 136 -0.06148 0.14662  
## 137 -0.21893 0.07468  
## 138 -0.47049 -0.51872  
## 139 -0.96137 -0.97860  
## 140 -0.96911 -0.99085  
## 141 -0.95441 -0.98112  
## 142 -0.66803 -0.57159  
## 143 -0.47015 -0.47445  
## 144 -0.54907 -0.64611  
## 145 -0.85066 -0.96825  
## 146 -0.97032 -0.99178  
## 147 -0.96109 -0.98402  
## 148 -0.52926 -0.77030  
## 149 -0.42371 -0.68703  
## 150 -0.38661 -0.82240  
## 151 -0.96614 -0.99043  
## 152 -0.96365 -0.99399  
## 153 -0.96297 -0.98576  
## 154 -0.60947 -0.61946  
## 155 -0.39299 -0.47220  
## 156 -0.56963 -0.67358  
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## 158 -0.97053 -0.99239  
## 159 -0.96540 -0.98942  
## 160 -0.54689 -0.62329  
## 161 -0.39798 -0.46778  
## 162 -0.52334 -0.71918  
## 163 -0.93168 -0.97183  
## 164 -0.95353 -0.97947  
## 165 -0.87846 -0.95876  
## 166 -0.51681 -0.59597  
## 167 -0.36290 -0.39672  
## 168 -0.52819 -0.66251  
## 169 -0.97668 -0.99762  
## 170 -0.97101 -0.99506  
## 171 -0.97594 -0.99167  
## 172 -0.42916 -0.62850  
## 173 -0.32302 -0.59658  
## 174 -0.07433 -0.69745  
## 175 -0.95264 -0.97782  
## 176 -0.95951 -0.99175  
## 177 -0.88887 -0.95924  
## 178 -0.33154 -0.54762  
## 179 -0.25236 -0.61758  
## 180 -0.15147 -0.77397  
## fBodyBodyGyroJerkMag-std()  
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## 16 -0.54909  
## 17 -0.62491  
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## 21 -0.96643  
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## 23 -0.68547  
## 24 -0.79421  
## 25 -0.98343  
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## 28 -0.45567  
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## 136 0.28783  
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