

CodeBook

averageDataSet

Independent tidy data set with the average of each variable for each activity and each subject from average-DataSet.txt

```
## 'data.frame':   180 obs. of  68 variables:
## $ activity      : chr  "LAYING" "LAYING" "LAYING" "LAYING" ...
## $ subject       : int   1  2  3  4  5  6  7  8  9 10 ...
## $ tBodyAcc.mean...X : num  0.222 0.281 0.276 0.264 0.278 ...
## $ tBodyAcc.mean...Y : num -0.0405 -0.0182 -0.019 -0.015 -0.0183 ...
## $ tBodyAcc.mean...Z : num -0.113 -0.107 -0.101 -0.111 -0.108 ...
## $ tBodyAcc.std...X  : num -0.928 -0.974 -0.983 -0.954 -0.966 ...
## $ tBodyAcc.std...Y  : num -0.837 -0.98 -0.962 -0.942 -0.969 ...
## $ tBodyAcc.std...Z  : num -0.826 -0.984 -0.964 -0.963 -0.969 ...
## $ tGravityAcc.mean...X : num -0.249 -0.51 -0.242 -0.421 -0.483 ...
## $ tGravityAcc.mean...Y : num  0.706 0.753 0.837 0.915 0.955 ...
## [list output truncated]
```

Codebook of variables of averageDataSet

```
##
##
##
## activity      :
## A character vector
##
## =====
## subject       :
##   obs. mean   median s.d.   min.   max.
##   180  15.5   15.5   8.68   1      30
##
## =====
## tBodyAcc.mean...X :
##   obs. mean   median s.d.   min.   max.
##   180  0.274   0.277  0.01   0.222  0.301
##
## =====
## tBodyAcc.mean...Y :
##   obs. mean   median s.d.   min.   max.
##   180 -0.018   -0.017  0.01  -0.041 -0.001
##
## =====
## tBodyAcc.mean...Z :
##   obs. mean   median s.d.   min.   max.
##   180 -0.109   -0.108  0.01  -0.153 -0.075
##
## =====
## tBodyAcc.std...X :
##   obs. mean   median s.d.   min.   max.
```

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## 180 -0.558 -0.753 0.45 -0.996 0.627
##
## =====
## tBodyAcc.std...Y      :
##  obs. mean  median s.d.  min.  max.
## 180 -0.46 -0.509 0.5 -0.99 0.617
##
## =====
## tBodyAcc.std...Z      :
##  obs. mean  median s.d.  min.  max.
## 180 -0.576 -0.652 0.4 -0.988 0.609
##
## =====
## tGravityAcc.mean...X   :
##  obs. mean  median s.d.  min.  max.
## 180 0.697 0.921 0.49 -0.68 0.975
##
## =====
## tGravityAcc.mean...Y   :
##  obs. mean  median s.d.  min.  max.
## 180 -0.016 -0.128 0.35 -0.48 0.957
##
## =====
## tGravityAcc.mean...Z   :
##  obs. mean  median s.d.  min.  max.
## 180 0.074 0.024 0.29 -0.495 0.958
##
## =====
## tGravityAcc.std...X    :
##  obs. mean  median s.d.  min.  max.
## 180 -0.964 -0.969 0.03 -0.997 -0.83
##
## =====
## tGravityAcc.std...Y    :
##  obs. mean  median s.d.  min.  max.
## 180 -0.952 -0.959 0.03 -0.994 -0.644
##
## =====
## tGravityAcc.std...Z    :
##  obs. mean  median s.d.  min.  max.
## 180 -0.936 -0.945 0.04 -0.991 -0.61
##
## =====
## tBodyAccJerk.mean...X  :
##  obs. mean  median s.d.  min.  max.
## 180 0.079 0.076 0.01 0.043 0.13
##
## =====
## tBodyAccJerk.mean...Y  :
##  obs. mean  median s.d.  min.  max.
## 180 0.008 0.009 0.01 -0.039 0.057
##
## =====
## tBodyAccJerk.mean...Z  :

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##  obs. mean  median  s.d.  min.  max.
##  180  -0.005 -0.004  0.01  -0.067 0.038
##
##  =====
##  tBodyAccJerk.std...X      :
##  obs. mean  median  s.d.  min.  max.
##  180  -0.595 -0.81   0.42  -0.995 0.544
##
##  =====
##  tBodyAccJerk.std...Y      :
##  obs. mean  median  s.d.  min.  max.
##  180  -0.565 -0.776  0.43  -0.99  0.355
##
##  =====
##  tBodyAccJerk.std...Z      :
##  obs. mean  median  s.d.  min.  max.
##  180  -0.736 -0.884  0.28  -0.993 0.031
##
##  =====
##  tBodyGyro.mean...X       :
##  obs. mean  median  s.d.  min.  max.
##  180  -0.032 -0.029  0.05  -0.206 0.193
##
##  =====
##  tBodyGyro.mean...Y       :
##  obs. mean  median  s.d.  min.  max.
##  180  -0.074 -0.073  0.04  -0.204 0.027
##
##  =====
##  tBodyGyro.mean...Z       :
##  obs. mean  median  s.d.  min.  max.
##  180  0.087  0.085  0.04  -0.072 0.179
##
##  =====
##  tBodyGyro.std...X        :
##  obs. mean  median  s.d.  min.  max.
##  180  -0.692 -0.789  0.29  -0.994 0.268
##
##  =====
##  tBodyGyro.std...Y        :
##  obs. mean  median  s.d.  min.  max.
##  180  -0.653 -0.802  0.35  -0.994 0.477
##
##  =====
##  tBodyGyro.std...Z        :
##  obs. mean  median  s.d.  min.  max.
##  180  -0.616 -0.801  0.37  -0.986 0.565
##
##  =====
##  tBodyGyroJerk.mean...X   :
##  obs. mean  median  s.d.  min.  max.
##  180  -0.096 -0.099  0.02  -0.157 -0.022
##
##  =====

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## tBodyGyroJerk.mean...Y      :
##   obs. mean  median s.d.   min.   max.
##   180  -0.043 -0.041  0.01  -0.077 -0.013
##
## =====
## tBodyGyroJerk.mean...Z      :
##   obs. mean  median s.d.   min.   max.
##   180  -0.055 -0.053  0.01  -0.092 -0.007
##
## =====
## tBodyGyroJerk.std...X       :
##   obs. mean  median s.d.   min.   max.
##   180  -0.704 -0.84   0.3   -0.997 0.179
##
## =====
## tBodyGyroJerk.std...Y       :
##   obs. mean  median s.d.   min.   max.
##   180  -0.764 -0.894  0.27  -0.997 0.296
##
## =====
## tBodyGyroJerk.std...Z       :
##   obs. mean  median s.d.   min.   max.
##   180  -0.71  -0.861  0.3   -0.995 0.193
##
## =====
## tBodyAccMag.mean..         :
##   obs. mean  median s.d.   min.   max.
##   180  -0.497 -0.483  0.47  -0.986 0.645
##
## =====
## tBodyAccMag.std..         :
##   obs. mean  median s.d.   min.   max.
##   180  -0.544 -0.607  0.43  -0.986 0.428
##
## =====
## tGravityAccMag.mean..      :
##   obs. mean  median s.d.   min.   max.
##   180  -0.497 -0.483  0.47  -0.986 0.645
##
## =====
## tGravityAccMag.std..      :
##   obs. mean  median s.d.   min.   max.
##   180  -0.544 -0.607  0.43  -0.986 0.428
##
## =====
## tBodyAccJerkMag.mean..     :
##   obs. mean  median s.d.   min.   max.
##   180  -0.608 -0.817  0.4   -0.993 0.434
##
## =====
## tBodyAccJerkMag.std..     :
##   obs. mean  median s.d.   min.   max.
##   180  -0.584 -0.801  0.42  -0.995 0.451
##
##

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## =====
## tBodyGyroMag.mean.. :
##   obs. mean  median s.d.   min.   max.
##   180  -0.565 -0.655 0.4    -0.981 0.418
##
## =====
## tBodyGyroMag.std.. :
##   obs. mean  median s.d.   min.   max.
##   180  -0.63  -0.742 0.34   -0.981 0.3
##
## =====
## tBodyGyroJerkMag.mean.. :
##   obs. mean  median s.d.   min.   max.
##   180  -0.736 -0.865 0.28   -0.997 0.088
##
## =====
## tBodyGyroJerkMag.std.. :
##   obs. mean  median s.d.   min.   max.
##   180  -0.755 -0.881 0.27   -0.998 0.25
##
## =====
## fBodyAcc.mean...X :
##   obs. mean  median s.d.   min.   max.
##   180  -0.576 -0.769 0.43   -0.995 0.537
##
## =====
## fBodyAcc.mean...Y :
##   obs. mean  median s.d.   min.   max.
##   180  -0.489 -0.595 0.48   -0.989 0.524
##
## =====
## fBodyAcc.mean...Z :
##   obs. mean  median s.d.   min.   max.
##   180  -0.63  -0.724 0.36   -0.989 0.281
##
## =====
## fBodyAcc.std...X :
##   obs. mean  median s.d.   min.   max.
##   180  -0.552 -0.747 0.46   -0.997 0.659
##
## =====
## fBodyAcc.std...Y :
##   obs. mean  median s.d.   min.   max.
##   180  -0.481 -0.513 0.47   -0.991 0.56
##
## =====
## fBodyAcc.std...Z :
##   obs. mean  median s.d.   min.   max.
##   180  -0.582 -0.644 0.39   -0.987 0.687
##
## =====
## fBodyAccJerk.mean...X :
##   obs. mean  median s.d.   min.   max.
##   180  -0.614 -0.813 0.4    -0.995 0.474

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##
## =====
## fBodyAccJerk.mean...Y      :
##   obs. mean  median s.d.  min.  max.
##   180  -0.588 -0.782 0.41  -0.989 0.277
##
## =====
## fBodyAccJerk.mean...Z      :
##   obs. mean  median s.d.  min.  max.
##   180  -0.714 -0.871 0.3   -0.992 0.158
##
## =====
## fBodyAccJerk.std...X       :
##   obs. mean  median s.d.  min.  max.
##   180  -0.612 -0.825 0.4   -0.995 0.477
##
## =====
## fBodyAccJerk.std...Y       :
##   obs. mean  median s.d.  min.  max.
##   180  -0.571 -0.785 0.43  -0.99  0.35
##
## =====
## fBodyAccJerk.std...Z       :
##   obs. mean  median s.d.  min.  max.
##   180  -0.756 -0.895 0.26  -0.993 -0.006
##
## =====
## fBodyGyro.mean...X        :
##   obs. mean  median s.d.  min.  max.
##   180  -0.637 -0.73  0.35  -0.993 0.475
##
## =====
## fBodyGyro.mean...Y        :
##   obs. mean  median s.d.  min.  max.
##   180  -0.677 -0.814 0.33  -0.994 0.329
##
## =====
## fBodyGyro.mean...Z        :
##   obs. mean  median s.d.  min.  max.
##   180  -0.604 -0.791 0.38  -0.986 0.492
##
## =====
## fBodyGyro.std...X         :
##   obs. mean  median s.d.  min.  max.
##   180  -0.711 -0.809 0.27  -0.995 0.197
##
## =====
## fBodyGyro.std...Y         :
##   obs. mean  median s.d.  min.  max.
##   180  -0.645 -0.796 0.36  -0.994 0.646
##
## =====
## fBodyGyro.std...Z         :
##   obs. mean  median s.d.  min.  max.

```

```

## 180 -0.658 -0.822 0.34 -0.987 0.522
##
## =====
## fBodyAccMag.mean.. :
## obs. mean median s.d. min. max.
## 180 -0.537 -0.67 0.45 -0.987 0.587
##
## =====
## fBodyAccMag.std.. :
## obs. mean median s.d. min. max.
## 180 -0.621 -0.651 0.35 -0.988 0.179
##
## =====
## fBodyBodyAccJerkMag.mean.. :
## obs. mean median s.d. min. max.
## 180 -0.576 -0.794 0.43 -0.994 0.538
##
## =====
## fBodyBodyAccJerkMag.std.. :
## obs. mean median s.d. min. max.
## 180 -0.599 -0.813 0.41 -0.994 0.316
##
## =====
## fBodyBodyGyroMag.mean.. :
## obs. mean median s.d. min. max.
## 180 -0.667 -0.766 0.32 -0.987 0.204
##
## =====
## fBodyBodyGyroMag.std.. :
## obs. mean median s.d. min. max.
## 180 -0.672 -0.773 0.29 -0.981 0.237
##
## =====
## fBodyBodyGyroJerkMag.mean.. :
## obs. mean median s.d. min. max.
## 180 -0.756 -0.878 0.26 -0.998 0.147
##
## =====
## fBodyBodyGyroJerkMag.std.. :
## obs. mean median s.d. min. max.
## 180 -0.772 -0.894 0.25 -0.998 0.288
##
## =====

```