Codebook from Tidy_Data.txt

Autogenerated data summary from dataMaid

2020-04-16 18:52:59

```r
{r , echo=FALSE, include=FALSE, warning=FALSE, message=FALSE, error=FALSE} library("ggplot2")
library("pander")
```

```r
{r 'visualFunctions', echo=FALSE, include=FALSE, warning=FALSE, message=FALSE, error=FALSE}
ggAggHist <- getFromNamespace("ggAggHist", "dataMaid") ggAggBarplot <- getFromNamespace("ggAggBarplot",
"dataMaid")
```

Data report overview from Tidy_data.txt

The dataset examined has the following dimensions:

Feature	Result
Number of observations	180
Number of variables	81

Codebook summary table

Label	Variable	Class	# unique values	Missing	Description
	SubID	integer	30	0.00 %	
	ActivityID	factor	6	0.00 %	
	[tBodyAcc-mean()-X]	numeric	180	0.00 %	
	[tBodyAcc-mean()-Y]	numeric	180	0.00 %	
	[tBodyAcc-mean()-Z]	numeric	180	0.00 %	
	[tBodyAcc-std()-X]	numeric	180	0.00 %	
	[tBodyAcc-std()-Y]	numeric	180	0.00 %	
	[tBodyAcc-std()-Z]	numeric	180	0.00 %	
	[tGravityAcc-mean()-X]	numeric	180	0.00 %	
	[tGravityAcc-mean()-Y]	numeric	180	0.00 %	
	[tGravityAcc-mean()-Z]	numeric	180	0.00 %	
	[tGravityAcc-std()-X]	numeric	180	0.00 %	
	[tGravityAcc-std()-Y]	numeric	180	0.00 %	
	[tGravityAcc-std()-Z]	numeric	180	0.00 %	
	[tBodyAccJerk-mean()-X]	numeric	180	0.00 %	
	[tBodyAccJerk-mean()-Y]	numeric	180	0.00 %	
	[tBodyAccJerk-mean()-Z]	numeric	180	0.00 %	
	[tBodyAccJerk-std()-X]	numeric	180	0.00 %	
	[tBodyAccJerk-std()-Y]	numeric	180	0.00 %	
	[tBodyAccJerk-std()-Z]	numeric	180	0.00 %	
	[tBodyGyro-mean()-X]	numeric	180	0.00 %	
	[tBodyGyro-mean()-Y]	numeric	180	0.00 %	

Label	Variable	Class	# unique values	Missing	Description
	[tBodyGyro-mean()-Z]	numeric	180	0.00 %	
	[tBodyGyro-std()-X]	numeric	180	0.00 %	
	[tBodyGyro-std()-Y]	numeric	180	0.00 %	
	[tBodyGyro-std()-Z]	numeric	180	0.00 %	
	[tBodyGyroJerk-mean()-X]	numeric	180	0.00 %	
	[tBodyGyroJerk-mean()-Y]	numeric	180	0.00 %	
	[tBodyGyroJerk-mean()-Z]	numeric	180	0.00 %	
	[tBodyGyroJerk-std()-X]	numeric	180	0.00 %	
	[tBodyGyroJerk-std()-Y]	numeric	180	0.00 %	
	[tBodyGyroJerk-std()-Z]	numeric	180	0.00 %	
	[tBodyAccMag-mean()]	numeric	180	0.00 %	
	[tBodyAccMag-std()]	numeric	180	0.00 %	
	[tGravityAccMag-mean()]	numeric	180	0.00 %	
	[tGravityAccMag-std()]	numeric	180	0.00 %	
	[tBodyAccJerkMag-mean()]	numeric	180	0.00 %	
	[tBodyAccJerkMag-std()]	numeric	180	0.00 %	
	[tBodyGyroMag-mean()]	numeric	180	0.00 %	
	[tBodyGyroMag-std()]	numeric	180	0.00 %	
	[tBodyGyroJerkMag-mean()]	numeric	180	0.00 %	
	[tBodyGyroJerkMag-std()]	numeric	180	0.00 %	
	[fBodyAcc-mean()-X]	numeric	180	0.00 %	
	[fBodyAcc-mean()-Y]	numeric	180	0.00 %	
	[fBodyAcc-mean()-Z]	numeric	180	0.00 %	
	[fBodyAcc-std()-X]	numeric	180	0.00 %	
	[fBodyAcc-std()-Y]	numeric	180	0.00 %	
	[fBodyAcc-std()-Z]	numeric	180	0.00 %	
	[fBodyAcc-meanFreq()-X]	numeric	180	0.00 %	
	[fBodyAcc-meanFreq()-Y]	numeric	180	0.00 %	
	[fBodyAcc-meanFreq()-Z]	numeric	180	0.00 %	
	[fBodyAccJerk-mean()-X]	numeric	180	0.00 %	
	[fBodyAccJerk-mean()-Y]	numeric	180	0.00 %	
	[fBodyAccJerk-mean()-Z]	numeric	180	0.00 %	
	[fBodyAccJerk-std()-X]	numeric	180	0.00 %	
	[fBodyAccJerk-std()-Y]	numeric	180	0.00 %	
	[fBodyAccJerk-std()-Z]	numeric	180	0.00 %	
	[fBodyAccJerk-meanFreq()-X]	numeric	180	0.00 %	
	[fBodyAccJerk-meanFreq()-Y]	numeric	180	0.00 %	
	[fBodyAccJerk-meanFreq()-Z]	numeric	180	0.00 %	
	[fBodyGyro-mean()-X]	numeric	180	0.00 %	
	[fBodyGyro-mean()-Y]	numeric	180	0.00 %	
	[fBodyGyro-mean()-Z]	numeric	180	0.00 %	
	[fBodyGyro-std()-X]	numeric	180	0.00 %	
	[fBodyGyro-std()-Y]	numeric	180	0.00 %	
	[fBodyGyro-std()-Z]	numeric	180	0.00 %	
	[fBodyGyro-meanFreq()-X]	numeric	180	0.00 %	
	[fBodyGyro-meanFreq()-Y]	numeric	180	0.00 %	
	[fBodyGyro-meanFreq()-Z]	numeric	180	0.00 %	
	[fBodyAccMag-mean()]	numeric	180	0.00 %	
	[fBodyAccMag-std()]	numeric	180	0.00 %	
	[fBodyAccMag-meanFreq()]	numeric	180	0.00 %	
	[fBodyBodyAccJerkMag-mean()]	numeric	180	0.00 %	
	[fBodyBodyAccJerkMag-std()]	numeric	180	0.00 %	
	[fBodyBodyAccJerkMag-meanFreq()]	numeric	180	0.00 %	
	[fBodyBodyGyroMag-mean()]	numeric	180	0.00 %	

Label	Variable	Class	# unique values	Missing	Description
	[fBodyBodyGyroMag-std()]	numeric	180	0.00 %	
	[fBodyBodyGyroMag-meanFreq()]	numeric	180	0.00 %	
	[fBodyBodyGyroJerkMag-mean()]	numeric	180	0.00 %	
	[fBodyBodyGyroJerkMag-std()]	numeric	180	0.00 %	
	[fBodyBodyGyroJerkMag-meanFreq()]	numeric	180	0.00 %	

Variable list

SubID

Feature	Result
Variable type	integer
Number of missing obs.	0 (0 %)
Number of unique values	30
Median	15.5
1st and 3rd quartiles	8; 23
Min. and max.	1; 30

```
{r 'Var-1-SubID',
echo=FALSE,
fig.width=4,
fig.height=3,
message=FALSE,
warning=FALSE}
ggAggHist(data =
structure(list(xmin
= c(0, 5, 10, 15, 20,
25 ), xmax = c(5, 10,
15, 20, 25, 30), ymin
= c(0, 0, 0, 0, 0, 0
), ymax = c(30L, 30L,
30L, 30L, 30L, 30L)),
class = "data.frame",
row.names = c(NA,
-6L)), vnam = "SubID")
```

ActivityID

Feature	Result
Variable type	factor
Number of missing obs.	0 (0 %)
Number of unique values	6
Mode	"WALKING"
Reference category	WALKING

```
{r 'Var-2-ActivityID',
echo=FALSE,
fig.width=4,
fig.height=3,
message=FALSE,
warning=FALSE}
ggAggBarplot(data
= structure(list(x
= structure(1:6,
.Label = c("WALKING",
"WALKING_UPSTAIRS",
"WALKING_DOWNSTAIRS",
"SITTING", "STANDING",
"LAYING"), class
= "factor"), y =
c(30L, 30L, 30L, 30L,
30L,  30L)), class =
"data.frame", row.names
= c(NA, -6L)), vnam =
"ActivityID")
```

- Observed factor levels: "LAYING", "SITTING", "STANDING", "WALKING", "WALKING_DOWNSTAIRS", "WALK-ING_UPSTAIRS".

Report generation information:

- Created by: GlennRTC (username: `glenn`).

- Report creation time: Thu Apr 16 2020 18:53:00

- Report was run from directory: /home/glenn/Documents/GettingandCleaningDataCourseProject

- dataMaid v1.4.0 [Pkg: 2019-12-10 from CRAN (R 3.6.1)]

- R version 3.6.1 (2019-07-05).

- Platform: x86_64-pc-linux-gnu (64-bit)(Ubuntu 19.10).

- Function call: `dataMaid::makeDataReport(data = AVG_Dataset, mode = c("summarize", "visualize", "check"), smartNum = FALSE, file = "codebook_AVG_Dataset.Rmd", checks = list(character = "showAllFactorLevels", factor = "showAllFactorLevels", labelled = "showAllFactorLevels", haven_labelled = "showAllFactorLevels", numeric = NULL, integer = NULL, logical = NULL, Date = NULL), listChecks = FALSE, maxProbVals = Inf, codebook = TRUE, reportTitle = "Codebook from Tidy_Data.txt")`