Codebook for df

Autogenerated data summary from dataMaid

2022-05-18 02:57:14

# Data report overview

The dataset examined has the following dimensions:

| Feature | Result |
| --- | --- |
| Number of observations | 395 |
| Number of variables | 33 |

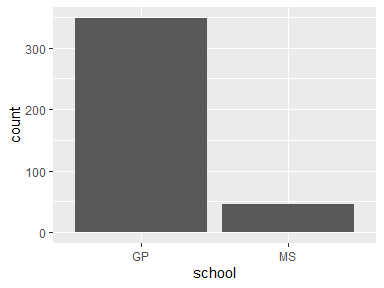
# Codebook summary table

| Label | Variable | Class | # unique values | Missing | Description |
| --- | --- | --- | --- | --- | --- |
|  | [**school**](#school) | character | 2 | 0.00 % |  |
|  | [**sex**](#sex) | character | 2 | 0.00 % |  |
|  | [**age**](#age) | integer | 8 | 0.00 % |  |
|  | [**address**](#address) | character | 2 | 0.00 % |  |
|  | [**famsize**](#famsize) | character | 2 | 0.00 % |  |
|  | [**Pstatus**](#pstatus) | character | 2 | 0.00 % |  |
|  | [**Medu**](#medu) | integer | 5 | 0.00 % |  |
|  | [**Fedu**](#fedu) | integer | 5 | 0.00 % |  |
|  | [**Mjob**](#mjob) | character | 5 | 0.00 % |  |
|  | [**Fjob**](#fjob) | character | 5 | 0.00 % |  |
|  | [**reason**](#reason) | character | 4 | 0.00 % |  |
|  | [**guardian**](#guardian) | character | 3 | 0.00 % |  |
|  | [**traveltime**](#traveltime) | integer | 4 | 0.00 % |  |
|  | [**studytime**](#studytime) | integer | 4 | 0.00 % |  |
|  | [**failures**](#failures) | integer | 4 | 0.00 % |  |
|  | [**schoolsup**](#schoolsup) | character | 2 | 0.00 % |  |
|  | [**famsup**](#famsup) | character | 2 | 0.00 % |  |
|  | [**paid**](#paid) | character | 2 | 0.00 % |  |
|  | [**activities**](#activities) | character | 2 | 0.00 % |  |
|  | [**nursery**](#nursery) | character | 2 | 0.00 % |  |
|  | [**higher**](#higher) | character | 2 | 0.00 % |  |
|  | [**internet**](#internet) | character | 2 | 0.00 % |  |
|  | [**romantic**](#romantic) | character | 2 | 0.00 % |  |
|  | [**famrel**](#famrel) | integer | 5 | 0.00 % |  |
|  | [**freetime**](#freetime) | integer | 5 | 0.00 % |  |
|  | [**goout**](#goout) | integer | 5 | 0.00 % |  |
|  | [**Dalc**](#dalc) | integer | 5 | 0.00 % |  |
|  | [**Walc**](#walc) | integer | 5 | 0.00 % |  |
|  | [**health**](#health) | integer | 5 | 0.00 % |  |
|  | [**absences**](#absences) | integer | 34 | 0.00 % |  |
|  | [**G1**](#g1) | integer | 17 | 0.00 % |  |
|  | [**G2**](#g2) | integer | 17 | 0.00 % |  |
|  | [**G3**](#g3) | integer | 18 | 0.00 % |  |

# Variable list

## school

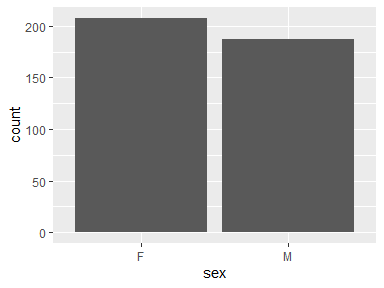
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “GP” |



* Observed factor levels: "GP", "MS".

## sex

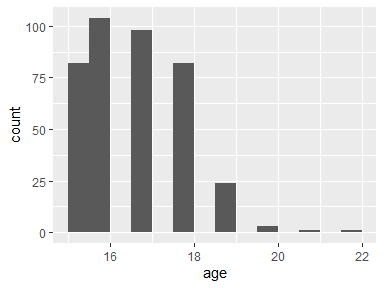
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “F” |



* Observed factor levels: "F", "M".

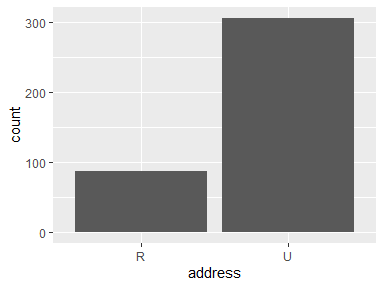
## age

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 8 |
| Median | 17 |
| 1st and 3rd quartiles | 16; 18 |
| Min. and max. | 15; 22 |



## address

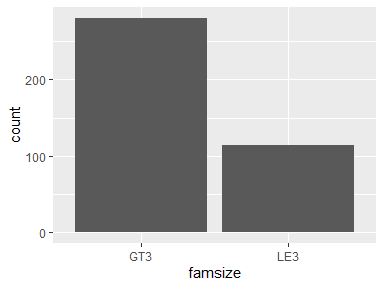
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “U” |



* Observed factor levels: "R", "U".

## famsize

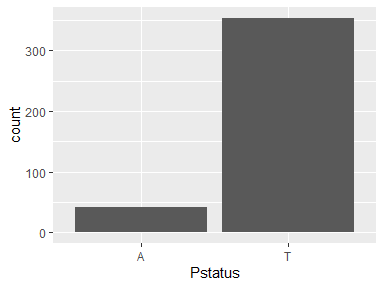
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “GT3” |



* Observed factor levels: "GT3", "LE3".

## Pstatus

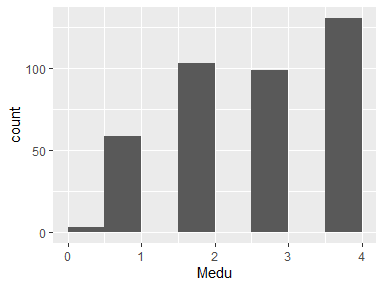
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “T” |



* Observed factor levels: "A", "T".

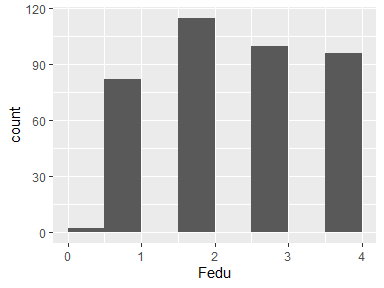
## Medu

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 5 |
| Median | 3 |
| 1st and 3rd quartiles | 2; 4 |
| Min. and max. | 0; 4 |



## Fedu

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 5 |
| Median | 2 |
| 1st and 3rd quartiles | 2; 3 |
| Min. and max. | 0; 4 |



## Mjob

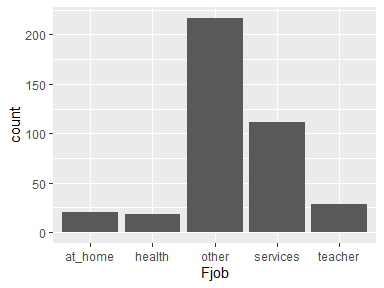
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 5 |
| Mode | “other” |



* Observed factor levels: "at\_home", "health", "other", "services", "teacher".

## Fjob

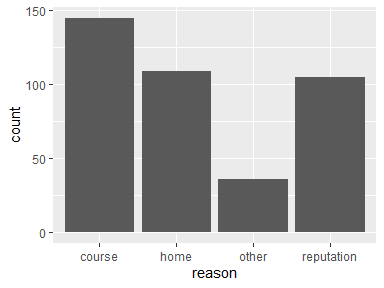
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 5 |
| Mode | “other” |



* Observed factor levels: "at\_home", "health", "other", "services", "teacher".

## reason

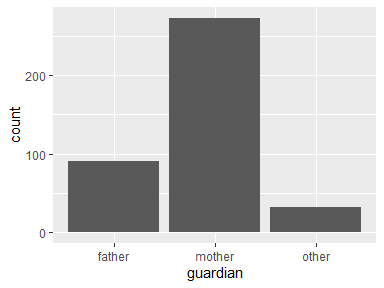
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 4 |
| Mode | “course” |



* Observed factor levels: "course", "home", "other", "reputation".

## guardian

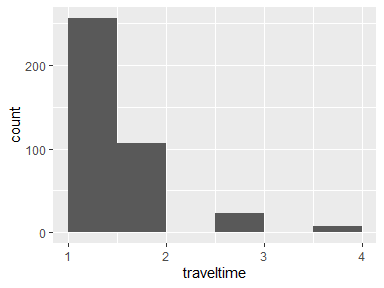
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 3 |
| Mode | “mother” |



* Observed factor levels: "father", "mother", "other".

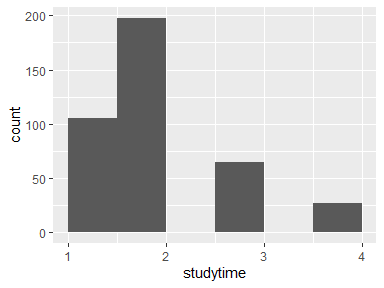
## traveltime

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 4 |
| Median | 1 |
| 1st and 3rd quartiles | 1; 2 |
| Min. and max. | 1; 4 |



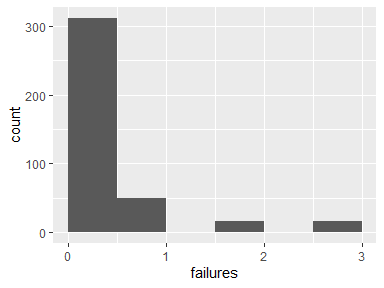
## studytime

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 4 |
| Median | 2 |
| 1st and 3rd quartiles | 1; 2 |
| Min. and max. | 1; 4 |



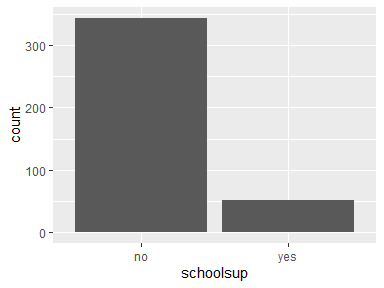
## failures

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 4 |
| Median | 0 |
| 1st and 3rd quartiles | 0; 0 |
| Min. and max. | 0; 3 |



## schoolsup

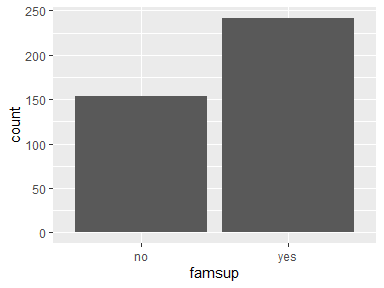
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “no” |



* Observed factor levels: "no", "yes".

## famsup

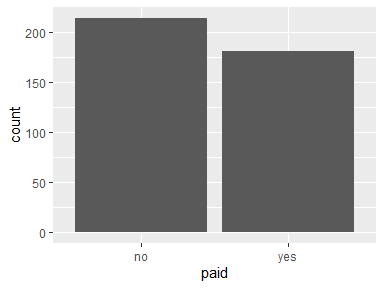
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “yes” |



* Observed factor levels: "no", "yes".

## paid

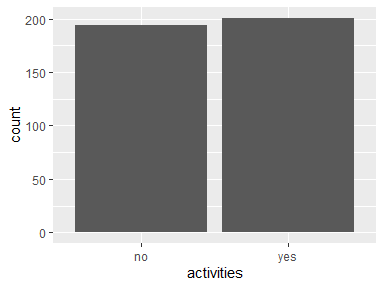
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “no” |



* Observed factor levels: "no", "yes".

## activities

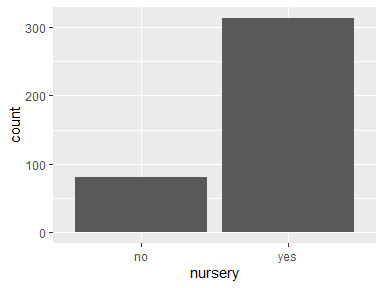
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “yes” |



* Observed factor levels: "no", "yes".

## nursery

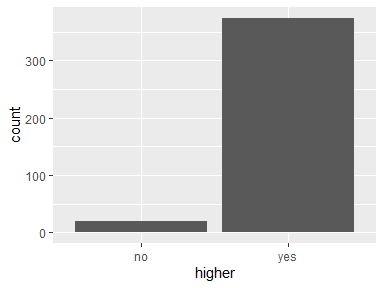
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “yes” |



* Observed factor levels: "no", "yes".

## higher

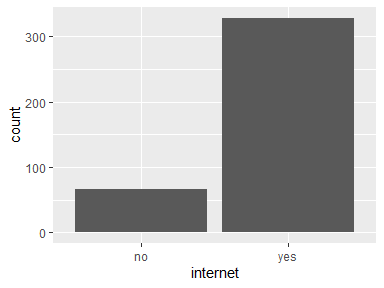
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “yes” |



* Observed factor levels: "no", "yes".

## internet

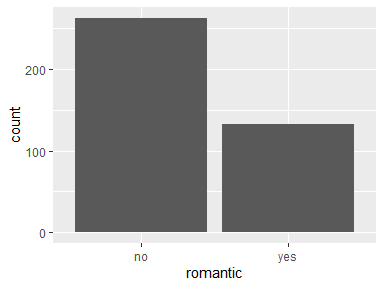
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “yes” |



* Observed factor levels: "no", "yes".

## romantic

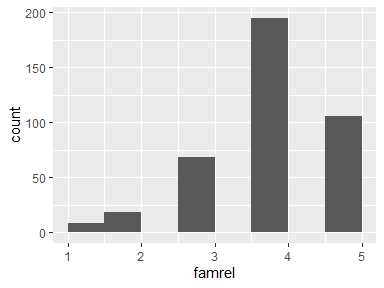
| Feature | Result |
| --- | --- |
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “no” |



* Observed factor levels: "no", "yes".

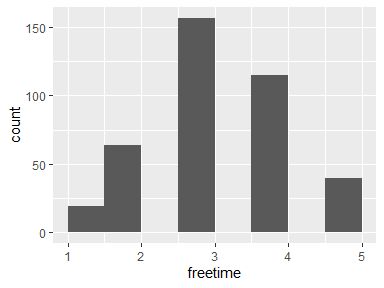
## famrel

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 5 |
| Median | 4 |
| 1st and 3rd quartiles | 4; 5 |
| Min. and max. | 1; 5 |



## freetime

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 5 |
| Median | 3 |
| 1st and 3rd quartiles | 3; 4 |
| Min. and max. | 1; 5 |



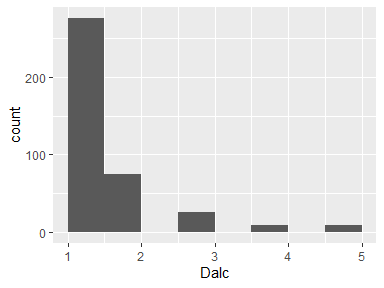
## goout

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 5 |
| Median | 3 |
| 1st and 3rd quartiles | 2; 4 |
| Min. and max. | 1; 5 |



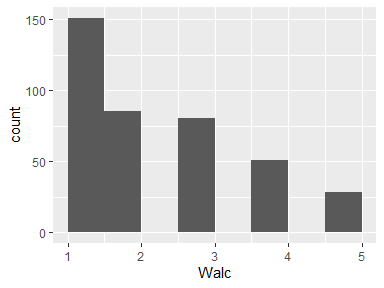
## Dalc

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 5 |
| Median | 1 |
| 1st and 3rd quartiles | 1; 2 |
| Min. and max. | 1; 5 |



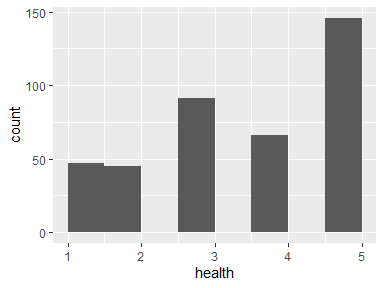
## Walc

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 5 |
| Median | 2 |
| 1st and 3rd quartiles | 1; 3 |
| Min. and max. | 1; 5 |



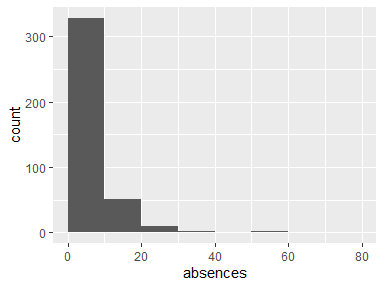
## health

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 5 |
| Median | 4 |
| 1st and 3rd quartiles | 3; 5 |
| Min. and max. | 1; 5 |



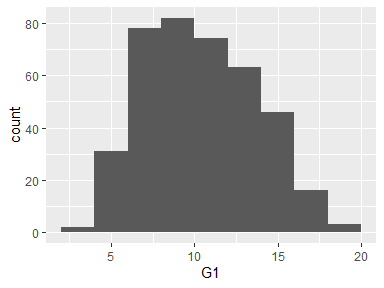
## absences

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 34 |
| Median | 4 |
| 1st and 3rd quartiles | 0; 8 |
| Min. and max. | 0; 75 |



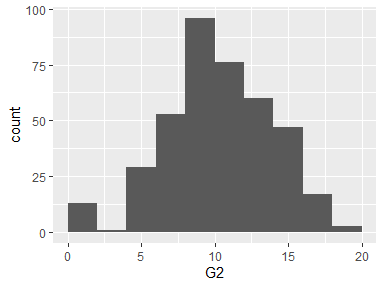
## G1

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 17 |
| Median | 11 |
| 1st and 3rd quartiles | 8; 13 |
| Min. and max. | 3; 19 |



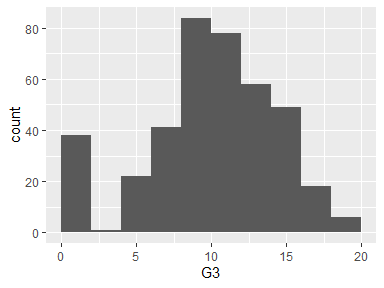
## G2

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 17 |
| Median | 11 |
| 1st and 3rd quartiles | 9; 13 |
| Min. and max. | 0; 19 |



## G3

| Feature | Result |
| --- | --- |
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 18 |
| Median | 11 |
| 1st and 3rd quartiles | 8; 14 |
| Min. and max. | 0; 20 |



Report generation information:

* Created by: error: invalid key: Tiong/.gitconfig (username: Rose Tiong).
* Report creation time: Wed May 18 2022 02:57:15
* Report was run from directory: C:/Users/Rose Tiong/Desktop/Data/data/WQD7001
* dataMaid v1.4.1 [Pkg: 2021-10-08 from CRAN (R 4.1.3)]
* R version 4.1.3 (2022-03-10).
* Platform: x86\_64-w64-mingw32/x64 (64-bit)(Windows 8.1 x64 (build 9600)).
* Function call: dataMaid::makeDataReport(data = df, mode = c("summarize", "visualize", "check"), smartNum = FALSE, file = "codebook\_df.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 for df")