

Data Mining Project (MaBAn 2020)

Predicting obesity level according to daily habits

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```
library(pander)

setwd("~/UNIGE/MASTERS/MaBAn/CVTDM/Project (Obesity)")

obesity <- read.csv("Obesity.csv", header=T, sep=",")

# Small metadata table :

metadata = matrix(NA, nrow = 17, ncol = 1, dimnames = list(c(colnames(obesity)), "Description"))

metadata[1,] = "Gender"
metadata[2,] = "Age"
metadata[3,] = "Height"
metadata[4,] = "Weight"
metadata[5,] = "Has a family member suffered or suffers from overweight?"
metadata[6,] = "Do you eat high caloric food frequently?"
metadata[7,] = "Do you usually eat vegetables in your meals?"
metadata[8,] = "How many main meals do you have daily?"
metadata[9,] = "Do you eat any food between meals?"
metadata[10,] = "Do you smoke?"
metadata[11,] = "How much water do you drink daily?"
metadata[12,] = "Do you monitor the calories you eat daily?"
metadata[13,] = "How often do you have physical activity?"
metadata[14,] = "How much time do you use technological devices such as
cell phone, videogames, television, computer and others?"
metadata[15,] = "How often do you drink alcohol?"
metadata[16,] = "Which transportation do you usually use?"
metadata[17,] = "Obesity level based on calculation of Mass Body Index"
```

```
#Hello
pander(metadata)
```

For this project we will analyze

	Description
Gender	Gender
Age	Age
Height	Height
Weight	Weight
family__history__with__overweight	Has a family member suffered or suffers from overweight?
FAVC	Do you eat high caloric food frequently?
FCVC	Do you usually eat vegetables in your meals?
NCP	How many main meals do you have daily?
CAEC	Do you eat any food between meals?
SMOKE	Do you smoke?
CH2O	How much water do you drink daily?
SCC	Do you monitor the calories you eat daily?
FAF	How often do you have physical activity?
TUE	How much time do you use technological devices such as cell phone, videogames, television, computer and others?
CALC	How often do you drink alcohol?
MTRANS	Which transportation do you usually use?
NObeyesdad	Obesity level based on calculation of Mass Body Index