Students Performance

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01
Context

02
Dataset

2

Subjects

Grades of Maths and Portuguese

2

Schools

Gabriel Pereira and Mouzinho da Silveira schools

3

Grades

First, Second and Third Period

30

Factors

Many aspects have influence in student's grades
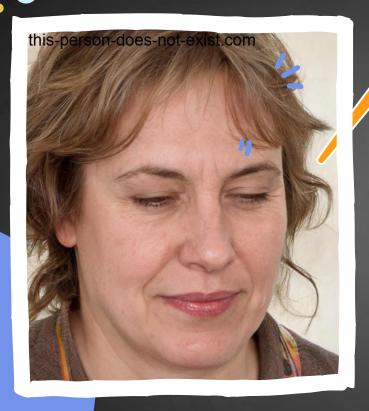
649

Instances

Number of students used on the research

03
Personas

Cláudia Almeida

- 56 years old
- Director of Mouzinho da Silveira school
- Wants to see what factors influence the grades of the students of her school
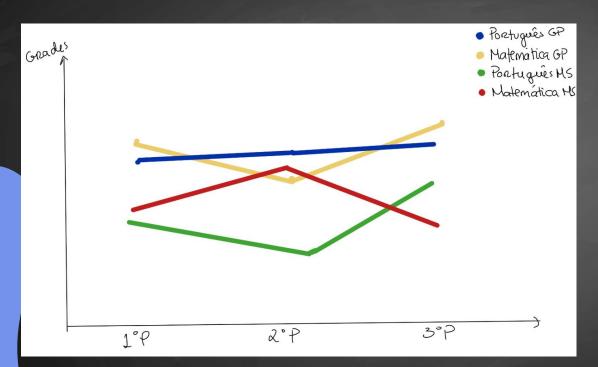
this-person-does-not-exist.com

Nuno Figueiredo

- 45 years old
- Employee at Regional Directorate of Education of Alentejo
- Wants to evaluate how the grades of some students of the region evolve through the year
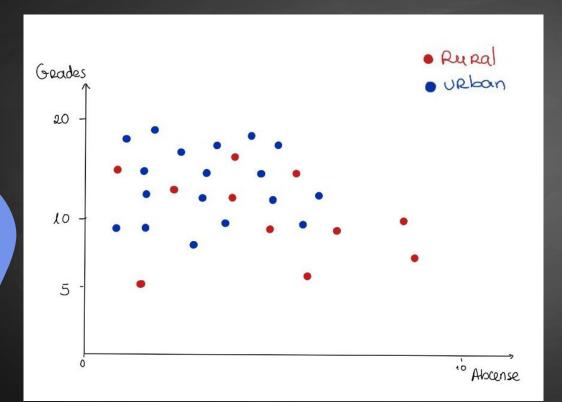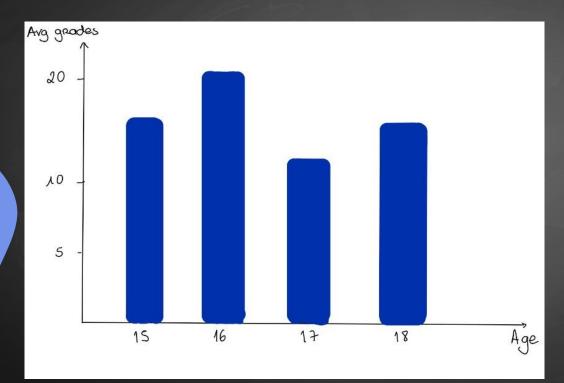
04
Visualization

Line Chart

- Recommended to visualize data that evolves over time
- Used to see the evolution of the grades through the three periods for both subjects
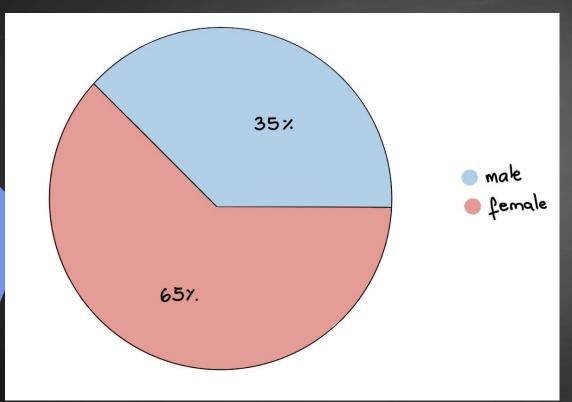
Scatter Plot

- Recommended to visualize data that depends on two independent variables
- Used to see the grades of each student depending on the number of absences and a binary factor

Bar Chart

- Recommended to visualize data that depends on a variable with multiple possibilities
- Used to see the grades of each student depending on a numeric variable

Pie Chart

- Can be used to show percentual data, regardless the number of variables shown
- Used to see personal stats about the students

Thanks!