



INSTITUTO POLITÉCNICO  
DO CÁVADO E DO AVE  
ESCOLA SUPERIOR  
DE TECNOLOGIA

# Data Processing and Visualization (P02)

DECISION SUPPORT SYSTEMS, 2022-23

Student01\_name (number), Student02\_name (number), Student03\_name (number)

<<The goal of this project is to develop a data processing and visualization solution based on the data mart implemented in the project 01. The team may use a different data source, but this must be validated previously by the teacher.

This document has an appropriate structure for the project, however chapters can be deleted, changed, or added. Keep formatting consistent throughout the document.

**Comments**, such as this one, placed between "<<" and ">>", **should be removed.**>>

## Introduction

<<Establish here the objectives of project 02>>

## Data acquisition and preparation

<<Describe the connections made to the data sources and the major data cleaning and preparation tasks performed.>>

## Data modelling and processing

<<Present the **data model**, including the definition/refinement of the relationships between tables, and the creation of **hierarchies**.

Next, describe and present the definition of all the calculated **columns** and **measures**. Include also in this section, other relevant data preparation/calculation operations not mentioned in the previous point.>>

## Data visualization

<<Identify the **goals of the dashboards** and the **profile of end users**. Add screenshot of the dashboards, a short description of the dashboards and other relevant elements, e.g., slicers, KPIs, influencers, etc.>>

## Conclusion

<< Insert here a conclusion about the results accomplished, the development process and the tools used. The structure of the report should be adapted according to each project characteristics. Don't forget to **remove these comments** (help text)!>>