

MASTER IN
BUSINESS INTELLIGENCE
& BIG DATA ANALYTICS

Big Data Laboratory

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Laboratory - Goals

Doing the job of...
Data Scientists for a few weeks

Laboratory - Goals

1. Working in Groups
 - 3 people (13 groups of 3 - 2 groups of 4)
2. Sharing skills
3. Addressing and solving real problems
 - Data quality
4. Creating the staging and presentation area
 - ETL (Extract, Transform, Load)
5. Presenting data
6. Extracting interesting insights, trends, and patterns from "Big Data"
7. Communication
 - Objective, Results, Data Model, Problems, ETL Process, Analysis Process, ...

Method

- Prepare a presentation (max 20 slides) that describes:
 - Context
 - Objective and questions you posed
 - Scenario, technologies, and adopted BI architecture
 - Characteristics of the dataset (structure, problems)
 - The treatment methods you adopted
 - The critical issues that emerged
 - The “answers” to your questions
 - Aspects, hints, etc. that emerge from your data (aka... let the data speak) or from your research

What shouldn't be missed?

- Objectives
- Stakeholders
- Usefulness
- Achieved objectives and unmet objectives
- Where we went wrong, how we can improve

Submission

- The presentation (in PDF format) must be uploaded to the e-learning platform by September 3, 2024.
- The code, presentation, and other materials can also be shared via GitHub/GitLab/....
- All group members must upload the work to the platform to ensure the delivery is recorded.
- Workshop on September 6, 2024.