

In this module, our focus is on analyzing crowdfunding data from companies seeking to raise funds. Our primary objective is to evaluate the success of these crowdfunding campaigns and to gain deeper insights into the companies involved through the available data. We examine various metrics such as campaign success rates and the level of financial backing received from backers.

Initially, we process the data within a dataframe environment, where we extract relevant information and subsequently compile it into a structured CSV file format for further analysis. Once the data is formatted and prepared, we import it into pgAdmin, a relational database management system, to ensure seamless integration and accuracy.

Following the data import, we conduct rigorous SQL queries within pgAdmin to validate the integrity and completeness of the imported data. This step allows us to verify that all necessary information has been accurately transferred and stored within the database.

To enhance our understanding of the data relationships and structure, we proceed to create an Entity-Relationship Diagram (ERD). The ERD visually represents the entities (such as campaigns and backers) and their relationships, offering a comprehensive view of the data schema and facilitating effective data management and analysis.

Overall, this module equips us with the skills to effectively collect, process, and analyze crowdfunding data, enabling us to derive meaningful insights into campaign performance and company dynamics."

This version expands on each step of the process, providing a clearer picture of how the analysis of crowdfunding data unfolds, from initial data extraction to database management and visualization