

# Django App to register events and obtain statistics about them

Master in Computer Engineering

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2nd SYMPOSIUM  
OF APPLIED  
RESEARCH

## BACKGROUND

The companies of nowadays having the capacity to get knowledge from existing data represents one of the most important business critical factor.

Having the capacity to timely get knowledge from existing data represents one of the most important business critical factor for nowadays companies. The statistic of traffic data represents a clear example of it.

This project will be carried out with the partnership of Queo, which is a company based in Porto.

Queo proposes a use of modern technological resources that minimizes the economic impact on the developed solutions. The skills are oriented to use agile techniques and open source technologies, allowing the creation of robust and flexible solutions.

## OBJECTIVES

The development of the django application to register and manage events represents a platform to obtain data and statistics about them, as well as:

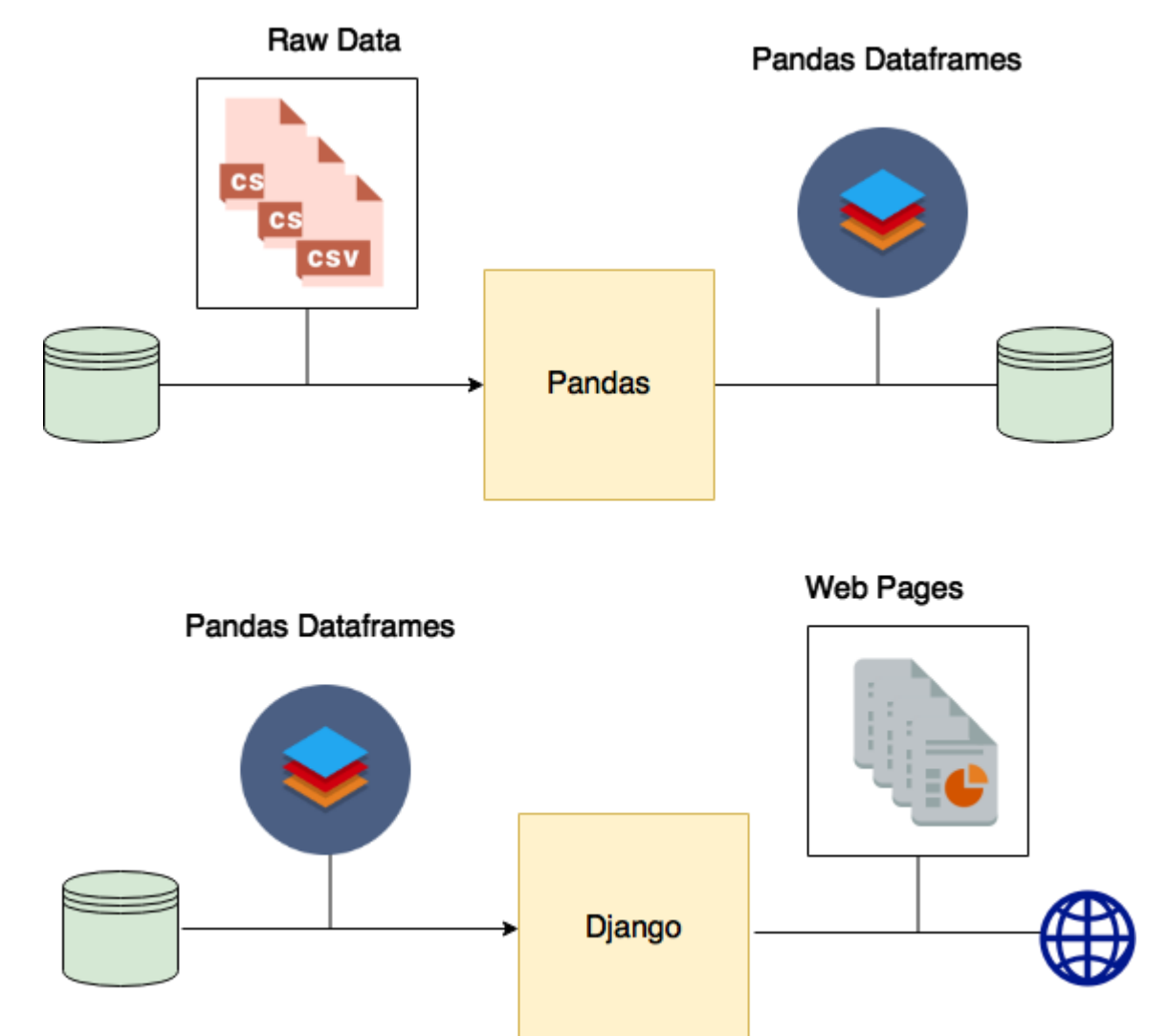
- Apply recognized Business Intelligence methods without intending to use advanced methods (such as OLAP cubes).
- The application must be developed according to methods that allow its encapsulation in order to make it a reusable module in several Queo products, such as newsletters, SMS systems or subscriptions systems.

## METHODOLOGY

- Taking into account that the project will be carried out in partnership with the company *Queo*, the methodologies will be applied according to the methodologies that the company implements.
- Bibliographic research on concepts of Business Intelligence and Data Science.
- Exploring open source technologies, allowing to create robust and flexible solutions.
- Performing quality and usability tests to validate the developed features.

Explanation of the illustration:

Receive data → Pandas (Generate Statistics) → Save Statistics DataFrames → Show statistics tables and statistics graphics



## RESULTS AND CONCLUSIONS

It is intended with the development of the application, the application of it in multiples contexts and applications, in order to help getting critical information for those who have statistics developed

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