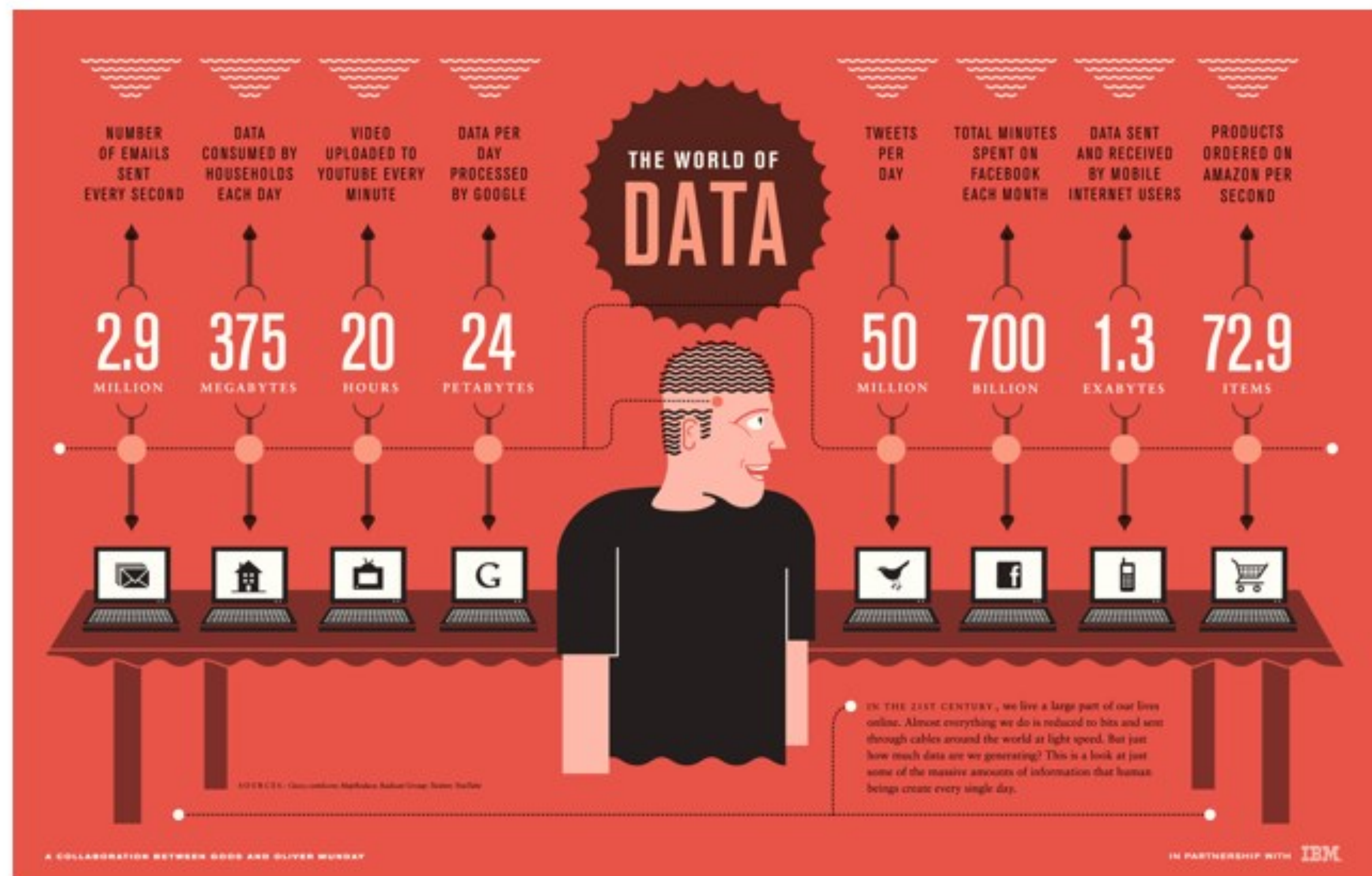


# COMPARING DATA MINING SOLUTION WITH API SOLUTION FOR A DATABASE SUPPLIER

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## INTRODUCTION



## PLAN

- Introduction
- Soundytics walkthrough
- Data mining notions and process
- Work process and specifications
- Realization and Results
- Conclusion and perspectives

## SOUNDYTICS WALKTHROUGH

### SOUNDYTICS

- Services provider to music platforms
- Approach distributor for shops
- Extraction of musical DNA



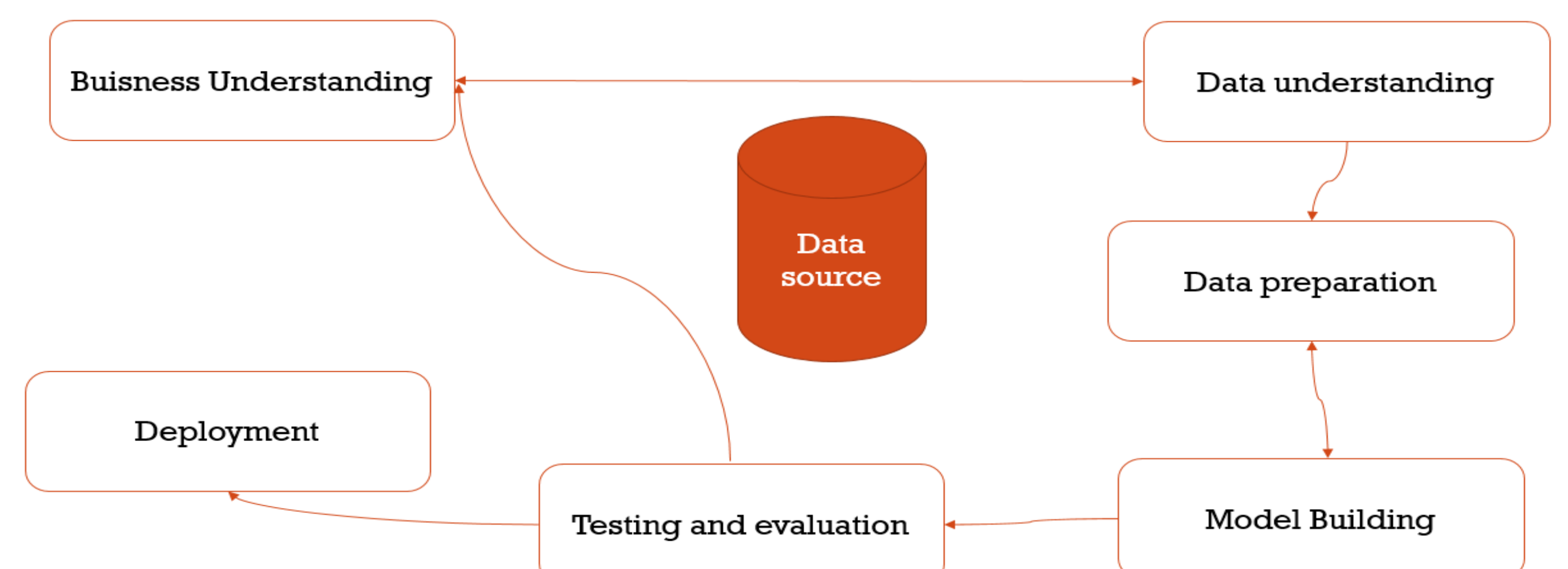
## DATA MINING NOTIONS AND PROCESS

### DEFINITION

- Data mining is the process of extracting and exploiting patterns in data
- Data mining is the acquisition of knowledge and the ability to use it.
- Document classification

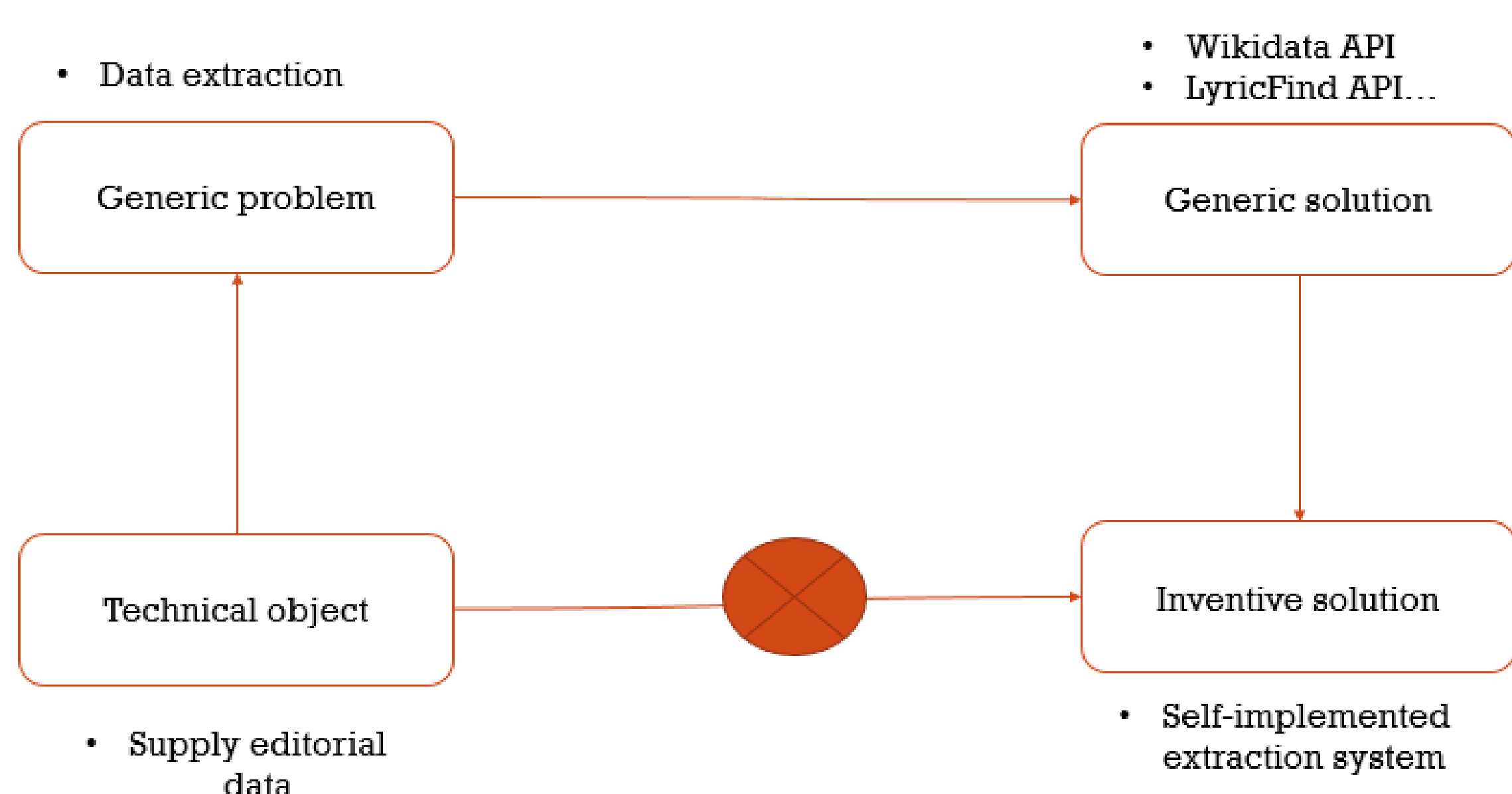


### DATA MINING PROCESS: CRISP-DM



## WORK PROCESS AND SPECIFICATIONS

### WORK PROCESS: TRIZ



### FUNCTIONAL REQUIREMENTS

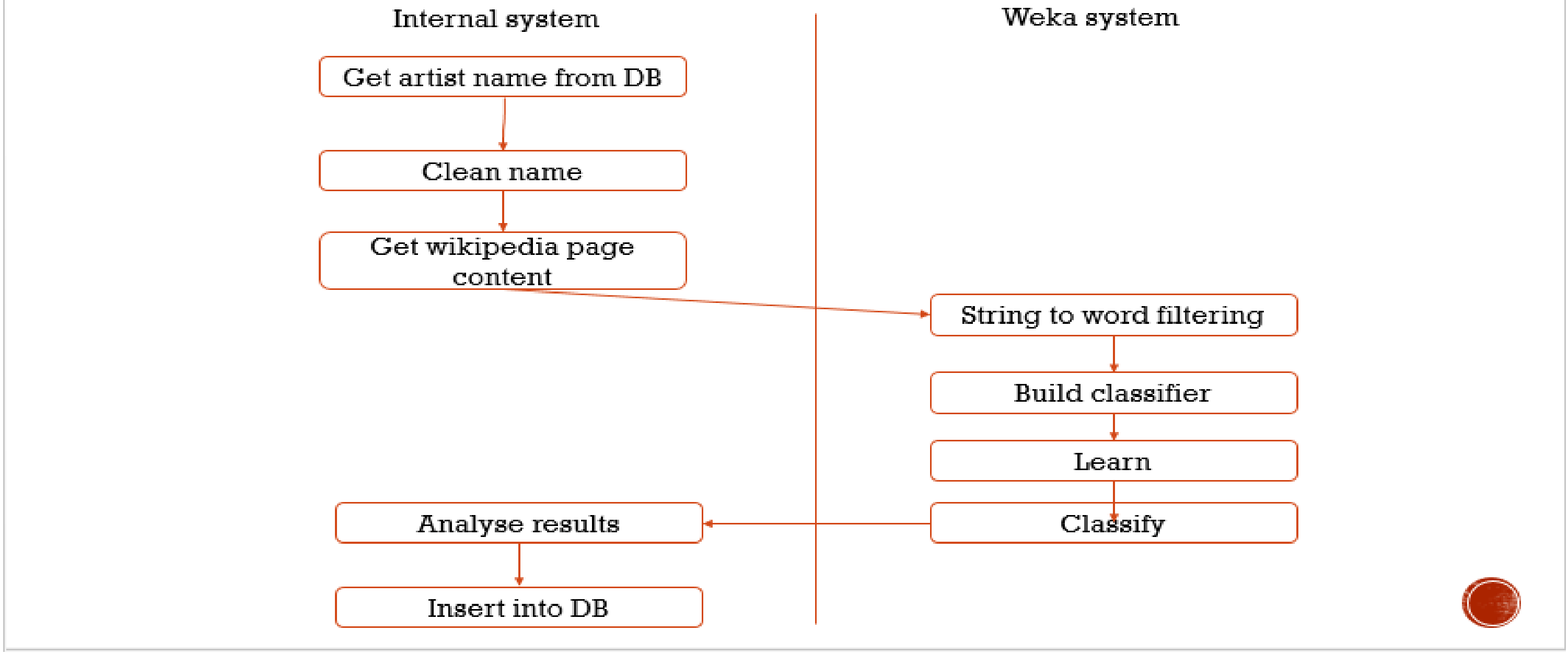
- Extracting artists information (real names, birth dates, gender, type, biography...)
- Disambiguation
- Extracting track language



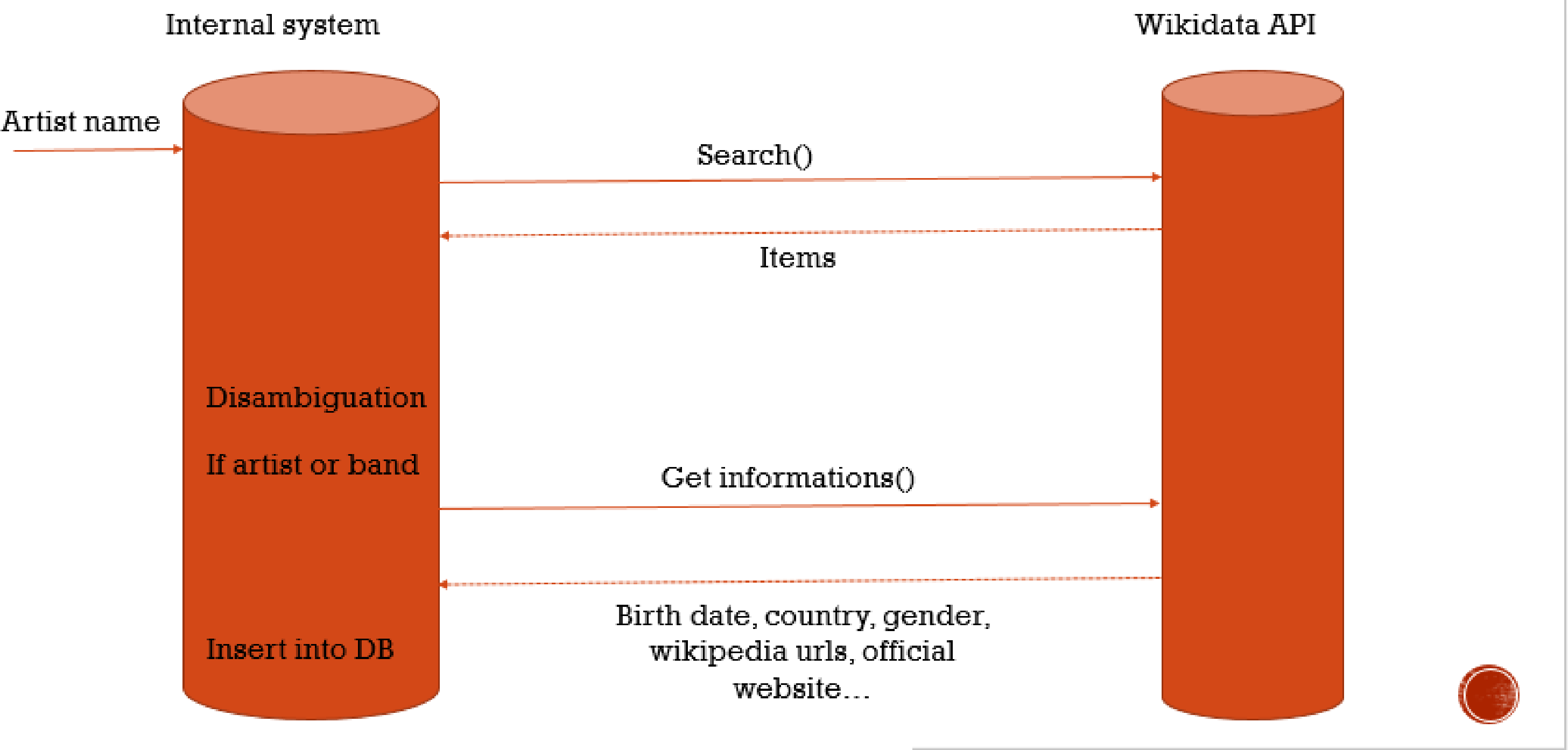
# NONFUNCTIONAL REQUIREMENTS

- Efficiency
- Reliability
- Security
- Maintainability

## DATA MINING SOLUTION

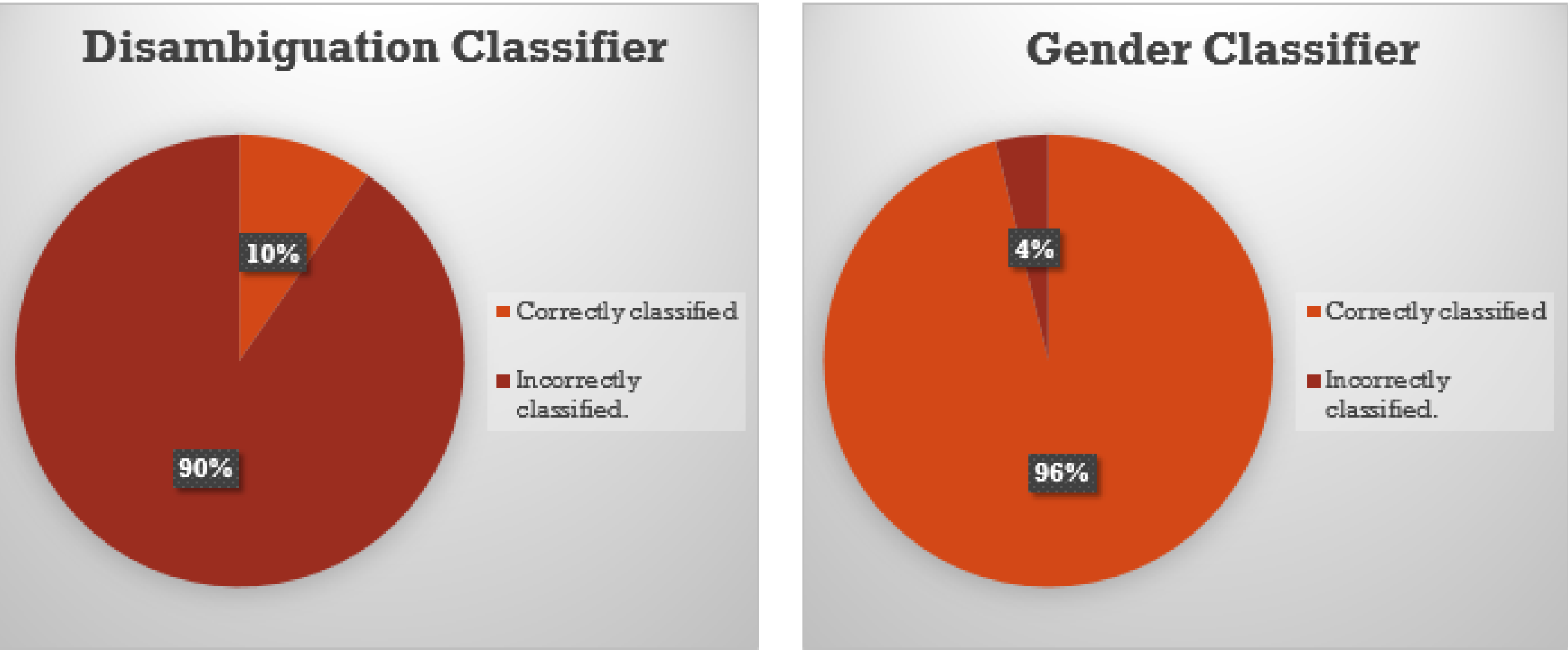


## API SOLUTION



# REALIZATION AND RESULTS

## DATA MINING RESULTS: CROSS-VALIDATION



## API RESULTS

