Development Shiny Practical Work

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# Development of the shiny application

#### Tasks:

0- Research of the available tools to develop the project (APARTE)

1- Data Preprocessing to get the data model

1.1. Data collection 1.2. Transform json and load the data in R 1.3. Clean and filter the data

2- UI - View development

1.1. Composition and development of the different widgets in the ui.R file

3- UI - Controller development

1.1. Development of the logic associated to each view 1.2. Coordination of each view to create an integrate and reactive design

4- UI - General design testing (APARTE)

1.1. Visualization based tests ( of the general design, responsivness, response time)

### 1- Data Preprocessing to get the data model

#### 1.1. Data collection

The train\_data is in titanic.csv. The variable to predict is "Survived", it informs whether a passenger died in the accident or not.

#### 1.2. Transform json and load the data in R

Remove unnecessary variables: literals, strings, ids, etc or variables with missing values.

#### 1.3. Clean and filter the data

### 2- UI - View development

#### 1.1. Composition and development of the different widgets in the ui.R file

The train\_data is in titanic.csv. The variable to predict is "Survived", it informs whether a passenger died in the accident or not.

### 3- UI - Controller development

#### 1.1. Development of the logic associated to each view

The train\_data is in titanic.csv. The variable to predict is "Survived", it informs whether a passenger died in the accident or not.

#### 1.2. Coordination of each view to create an integrate and reactive design

The train\_data is in titanic.csv. The variable to predict is "Survived", it informs whether a passenger died in the accident or not.