# Information Visualization

# We are CHECKPOINT I: Visualization Proposal

G08

**1. Domain**

Domain description: a high level description that will motivate the rest of the document.

Our domain for the project is about the **employment/unemployment** of higher education courses from all the public and private universities of Portugal.

**2. Dataset**

Dataset description:

* Which dataset will you be using?
* How will you obtain such data? Is there an available dataset (URL) or are you gathering it yourself (how, what sources, what effort involved?)
  + - 1. - We will use a set of documents (excel format) provided by DGEEC (“Direcção-Geral de Estatisticas Da Educação e Ciência”) with the information about all the courses and the respective year.
    1. -The data mentioned above is all in the DGEEC website.
       1. **3. Tasks to be supported**

- Task 1: Query Compare - Compare the total number of unemployed persons of different courses

- Task 2: Consume Present – Present the information about the amount of total unemployed persons graduated from a specific course across time

- Task 3: Search Locate – Locate course that has a faster rate of employment after finish it across time

Obs.:

- Task type: search, explore, compare, etc.

- Try to provide a description that allows for the understanding of tasks and their complexity: this will be reflected on your grade.

- Tasks enunciation must be as clear as possible.

* + - 1. **4. Example Questions**
      2. - Computer Science graduates in IST has more unemployed persons, in 2015, than Computer Science in ISEL? (Task 1)

- Computer Science in IST has a trend to have less unemployed graduates in last years? (Task 2)

* + 1. - What was the year which had less unemployed persons from Computer Science in IST? (Task 2)
    2. - What is the course of “Universidade de Lisboa”, in 2015, that has a faster rate of employment after finish it? (Task 3)
       1. **5. Data Sample**

Some examples of data that show that the above are possible and adequate

Ex:

(from “xpto.csv”)

year; name; cost; rating

2012; Potatoes; 12000; 4

faculdade;curso;ano;

IST;Engenharia Informática e de Computadores;2015