# Information Visualization

# CHECKPOINT IV: First Prototype

G15 - A

**1. Layout**

In total we have four idioms, the division of the visualization space and where each idiom is placed is represented in figure 1. The table below makes the connection between the idiom, it’s location on the layout of the interface and representation of the idiom.

|  |  |  |
| --- | --- | --- |
| **Location** | **Idiom** | **Representation** |
| Top Left | Country Income by Education Level | Stacked Bar Chart |
| Bottom Left | Early Leavers in Education | Line Chart |
| Top Right | Reading Habits per Country | Choropleth Map |
| Bottom Right | Household Expenditure in Reading Material | Heatmap |



Fig 1 – Division of the visualization space

**2. Implemented Idioms**

For this checkpoint we only implemented two of the four idioms, which were the “Country Income by Education Level” (Fig 2) and the “Early Leavers in Education” (Fig 3).

In the two idioms implemented, only the “Country Income by Education Level” has interactivity. The user can select a year and the bars will change according to the existing data.

Uma imagem com captura de ecrã

Descrição gerada automaticamente

Fig 2 – Idiom Average Income by Education Level

Uma imagem com captura de ecrã

Descrição gerada automaticamente

Fig 3 – Idiom Early Leavers in Education

**3. Implementation of Linking Mechanism**

How are the views linked? How does that mechanism work/will work even when you have more idioms to link?

- Connection between the map and the rest

- Heatmap, selected countries??

- Line chart won’t have interactivity

- How do the views change and how are they linked between each other??