

## **Statistical Olympics 2015**

### **Second assignment**

#### **Project on statistical research**

This book contains a file with 200 records taken from the 2013 Living Conditions Survey (Encuesta de Condiciones de Vida), with data about homes and people responsible of their own living places. The variables that are included correspond to home characteristics and economical and material situations, as well as sociodemographic characteristics of people. The sheet “Data” contains the data, while the sheet “Values and variable descriptions” contains the description and values of the variables. Consultation of this data needs to be performed for the proper comprehension and interpretation of data.

The main task for the participating teams is to analyse those characteristics in the file that they considered to have special interest and present the results according to the established rules.

The project must be prepared in PowerPoint or another similar slide program so it could be printed in a PDF file format, where all of these aspects are gathered, each one with a maximum length of one slide:

- Objectives of the work
- Work method: tools used, data analysis techniques
- Results: tables, graphics, results of analysis, etc.
- Conclusions

Besides, an initial slide must be included with the data on the team and the school centre, the name of the tutor and the participants, and the category in which they participate. The maximum length of the work therefore cannot exceed 8 printed PDF slides.

The works in PDF format must be submitted by email to mail@yyy.xx with the following text in a subject line: 2nd Assignment. Team: \*Name of the team\*.

The deadline for submission of the works is March 6th, 2015.

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### Income and living conditions survey

Dwelling variables			
Household	Region	Disposable income	Arrears on mortgage or rent payments
1	30	12912,44	
2	12	16590,27	3
3	11	78882,1	
4	24	22335,67	2
5	30	42535,13	3
6	13	37446,55	
7	11	87635,12	
8	21	44888,2	
9	30	34376,3	
10	12	44416,4	
11	21	30135,42	
12	22	18586,3	
13	11	9677,9	
14	23	10179,3	3
15	21	31836,9	
16	22	29823,08	

Please note: since this file has illustrative purposes only, the number of records and variables has been reduced for space reasons

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### Income and living conditions survey

Variable	Values	Description
<b>Dwelling data</b>		
<b>Region</b>		
Galicia	11	Region where the dwelling is placed
Principado de Asturias	12	
Cantabria	13	
País Vasco	21	
Comunidad Foral de Navarra	22	
La Rioja	23	
Aragón	24	
Comunidad de Madrid	30	
<b>Disposable income</b>	Amount of money in euros. It may be a negative number	Income the household has to cover the costs of life. This income normally comes from wages, benefits, allowances etc.
<b>Arrears on mortgage or rent payments</b>		
It has happened just once	1	It means if there has been arrears on mortgage or rent payments in the last 12 months before the interview took place
It has happened, twice or more times	2	
Has never happened	3	