Second phase of application process

Course Quality Advisory Board

November 10, 2015

Following exercises are designed to test critical competencies that you will need in your work as a quantitative analyst in CQAB. Send your work to cqab.chair@em-a.eu with the title "CQAB Quantitative data analyst [First Name Last Name]" by **19th of November**. Good luck!

1. Code comprehension

Function was written in R statistical package. Briefly explain what this function does. Feel free to include your comments on how you would have written this function differently. This can be both high-level description of function logic or actual code in R.
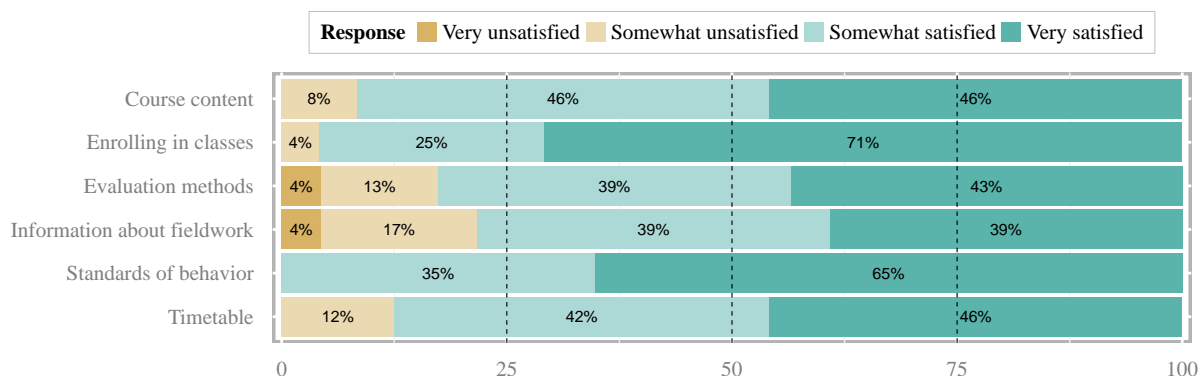
```r
extract_name <- function(x){
  question <- dataset[, substr(names(dataset), 1, nchar(x)) == x]
  name_of_the_question <- gsub("(.*)_(.*)", "\\1", colnames(question)[1])
  name_of_the_question <- substring(name_of_the_question, nchar(x)+1)
  name_of_the_question <- gsub("\\.", " ", name_of_the_question)

  return(name_of_the_question)
}
```

2. Data analysis

Following graphs will be printed in forthcoming individual reports for each EM course with 10 or more respondents. Briefly describe the results on graphs and tables. Keep in mind that those reports are mostly designed for course administrators, so make your description relevant to that target group.

Consortia

Rate the information and support received before the start of Erasmus Mundus master course on the following aspects
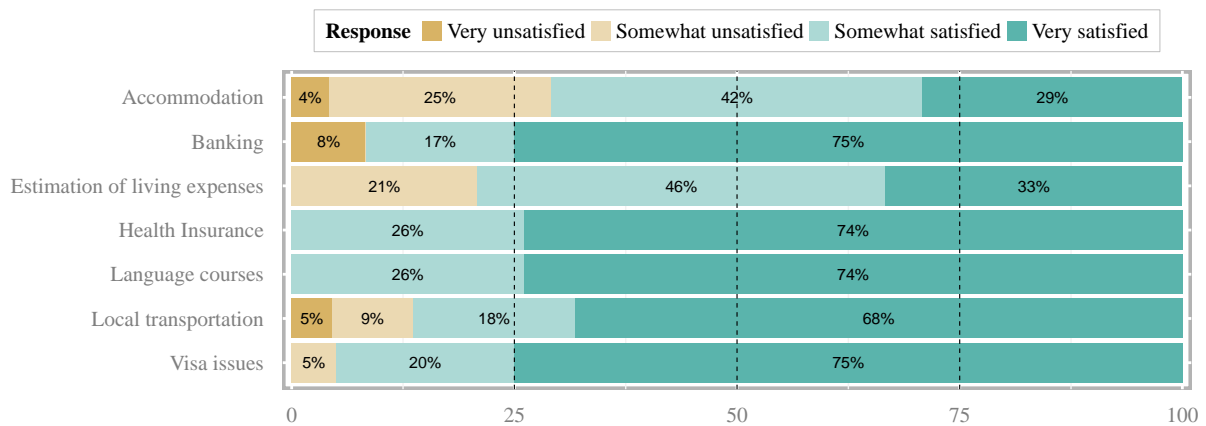
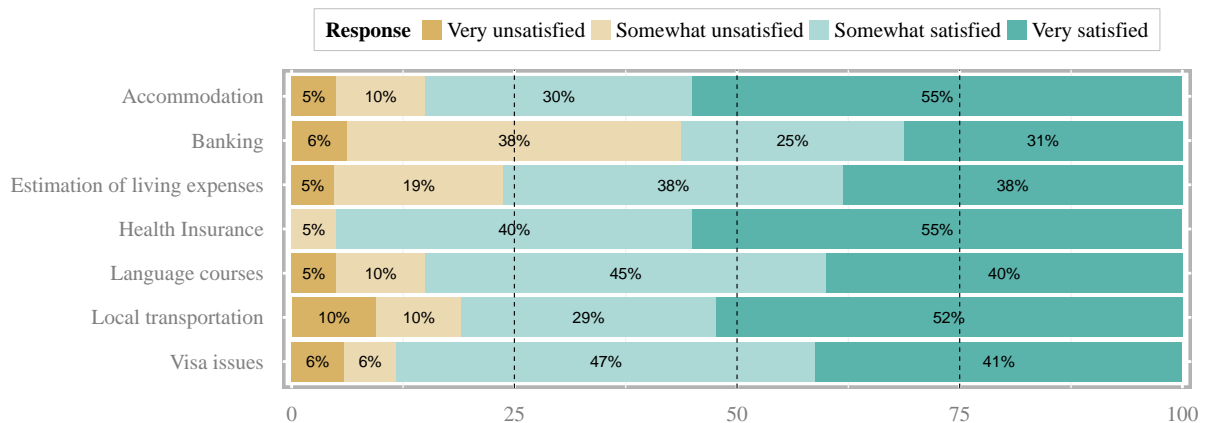|	n	Mean	EM mean	0% - 25%	25% - 50%	50% - 75%	75% - 100%
Course content	24	3.38	3.19	2.54 - 3.06	3.07 - 3.23	3.24 - 3.40	3.41 - 3.70
Enrolling in classes	24	3.67	3.42	2.57 - 3.25	3.26 - 3.45	3.46 - 3.62	3.63 - 3.92
Evaluation methods	24	3.22	3.03	2.23 - 2.88	2.88 - 3.06	3.07 - 3.21	3.22 - 3.76
Information about fieldwork	24	3.13	2.95	2.00 - 2.80	2.81 - 3.00	3.01 - 3.19	3.20 - 3.57
Standards of behavior	24	3.65	3.44	2.77 - 3.29	3.30 - 3.42	3.43 - 3.63	3.64 - 3.90
Timetable	24	3.33	3.13	1.94 - 2.96	2.97 - 3.20	3.21 - 3.33	3.34 - 3.80

Table 1: Summary statistics

First university.

Rate the following items regarding the logistic information and support received before the beginning of studies in the first university
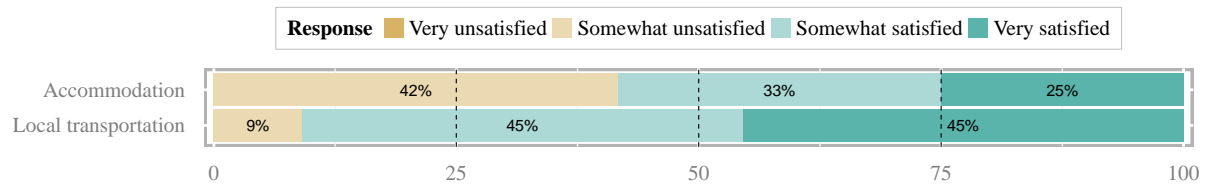
Second university.

Rate the following items regarding the logistic information and support received before the beginning of studies in the second university

Third university.

Rate the following items regarding the logistic information and support received
before the beginning of studies in the third university

| Response | Very unsatisfied | Somewhat unsatisfied | Somewhat satisfied | Very satisfied |

Accommodation: 42% | 33% | 25%

Local transportation: 9% | 45% | 45%

0   25   50   75   100

Thank you for your time!