

A Class Experience of Statistics for the Degree of Health Engineering

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Abstract

This talk is about the experience of teaching Statistics for the degree of Health Engineering in the last four years.

At the beginning of the course, an statistic experiment about meditation is proposed to the students:

- The first two minutes of every class time are spent in a very short meditation.
- The students choose if a control group is used in which case, they decide the proportion of this group. In any case, the students decide the statistical variables, and the statistical hypothesis tests that are going to be studied.
- The data of the variables are taken at the beginning and at the end of the course for every student.
- The students make individual and collective works about regression and statistical hypothesis tests about the variables before and after meditation, or group control vs. students participating in meditations.

The motivation of the students in the experiment has been very high. The marks of the students involved in the experiment are clearly higher than other students' marks.

References

1. W. NAVIDI. Statistics for Engineers and Scientists. McGraw-Hill Education; 4th Edition. (2014).