

Estimating average height of EUF students - a MCS

Solution to the exercise

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Suppose you are interested in the average height of the students at the European University Flensburg and you are wondering what a good sample size would be. Suppose further that the data set `DataScienceExercises::EUFstudents` contains the result of a census of EUF students. Study the process of sampling by carrying an MCS in which you draw random samples of size 10 and 50 from this population. To do this, conduct an MCS with 1000 repetitions and check what difference it makes to increase the sample size.