

1st mini-test of Computational Methods in Medical Physics

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DFA/FCUP, 18th March 2024, 9 AM, duration 1h30

Complete all exercises in the Jupyter notebook. Submit the file with your solutions on the course's Moodle platform.

1. Consider the table sent by the professor, of patients from a radiotherapy clinic.
 - a. (4 values) Classify each of the statistical variables in the table.
 - b. (16 values) Create a report on your jupyter notebook with both the markdown and the code environments in which you perform a statistical description of each of the variables, using all the descriptive statistics concepts you learned in the classroom (tables of frequencies, mode, median, mean, standard deviation, variance, quantiles) as well as graphical analysis (bar charts, pie charts, histograms). Try to be as descriptive and use as many diverse tools as possible.