

Sheet 11 – Functions, Structs, File I/O

Please write all commands in the MATLAB editor into separate m-files (one for each function or script) and save it in a folder that you specifically dedicate to this workshop. If you don't know how a command is being used type "help [commandname]" into the command window. Comment each code line briefly to document what it is doing.

Exercise 1:

Create a function that reads in patient data from the text file `allpatientdata.m` provided in the Lernraum. The function should get as an input the file name of the txt-file. The function should output a struct array with all the information provided in the text file. Name the field names of the struct in an intuitive way.

Exercise 2:

Download the `patient_info.zip` from the Lernraum. It contains pictures and sound files (voice samples) from each patient. The file name indicates the patient's ID number. Read in these files into MATLAB and add this data to the struct array from exercise 1. Use a loop to do this task.