

Package ‘DICOMread’

July 21, 2025

Title Reading and Saving DICOM Image Files
Version 0.0.0.3
Description This function provides an interface between 'Matlab' and 'R' in facilitating fast processing for reading and saving DICOM images.
License GPL-3
Encoding UTF-8
RoxygenNote 7.1.1
Imports matlabr
Depends R (>= 2.10)
NeedsCompilation no
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Avb_fun	<i>Function to check whether Matlab is available</i>
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Description

Function to check whether Matlab is available

Usage

Avb_fun()

Value

a boolean variable

Examples

Avb_fun()

check_mat	<i>Function to check whether the DICOM matrix has been saved successfully</i>
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Description

Function to check whether the DICOM matrix has been saved successfully

Usage

check_mat(file_name)

Arguments

file_name the name of the .csv file saved under form_mat_fun()

Value

a boolean variable

form_mat_fun	<i>Function to construct and save data matrix from the DICOM file</i>
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Description

Function to construct and save data matrix from the DICOM file

Usage

form_mat_fun(path_in, out_name)

Arguments

path_in afile path for the DICOM variable, needs to be a string
out_name name of the saved .csv file, need to be a string

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Value

saved .csv file of the data matrix

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