Package 'DICOMread'

October 12, 2022

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

Author Shu Jiang [aut, cre] (<https://orcid.org/0000-0003-1464-4838>)

Maintainer Shu Jiang <jiang.shu@wustl.edu>

Repository CRAN

Date/Publication 2021-05-15 17:30:02 UTC

R topics documented:

Avb_fun   *Function to check whether Matlab is available*

Description

Function to check whether Matlab is available

Usage

```
Avb_fun()
```

Value

a boolean variable

Examples

```
Avb_fun()
```

---

check_mat	*Function to check whether the DICOM matrix has been saved successfully*

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	*Function to construct and save data matrix from the DICOM file*

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

Value

saved .csv file of the data matrix

Index