

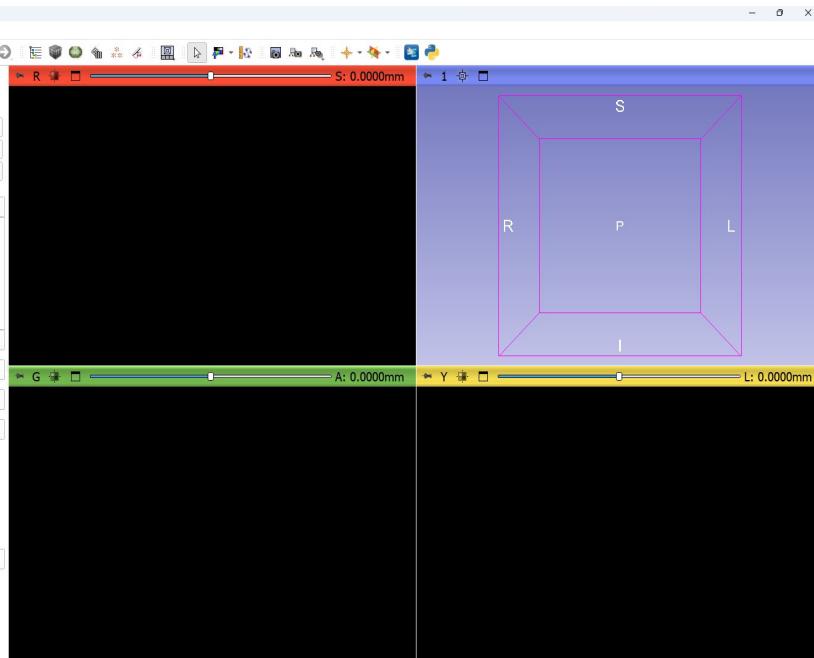
# Bem-vindos ao *Slicer*

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Professora Adjunta de Radiologia

Hospital de Mulheres de Brigham  
Faculdade de Medicina de Harvard

# Objetivo

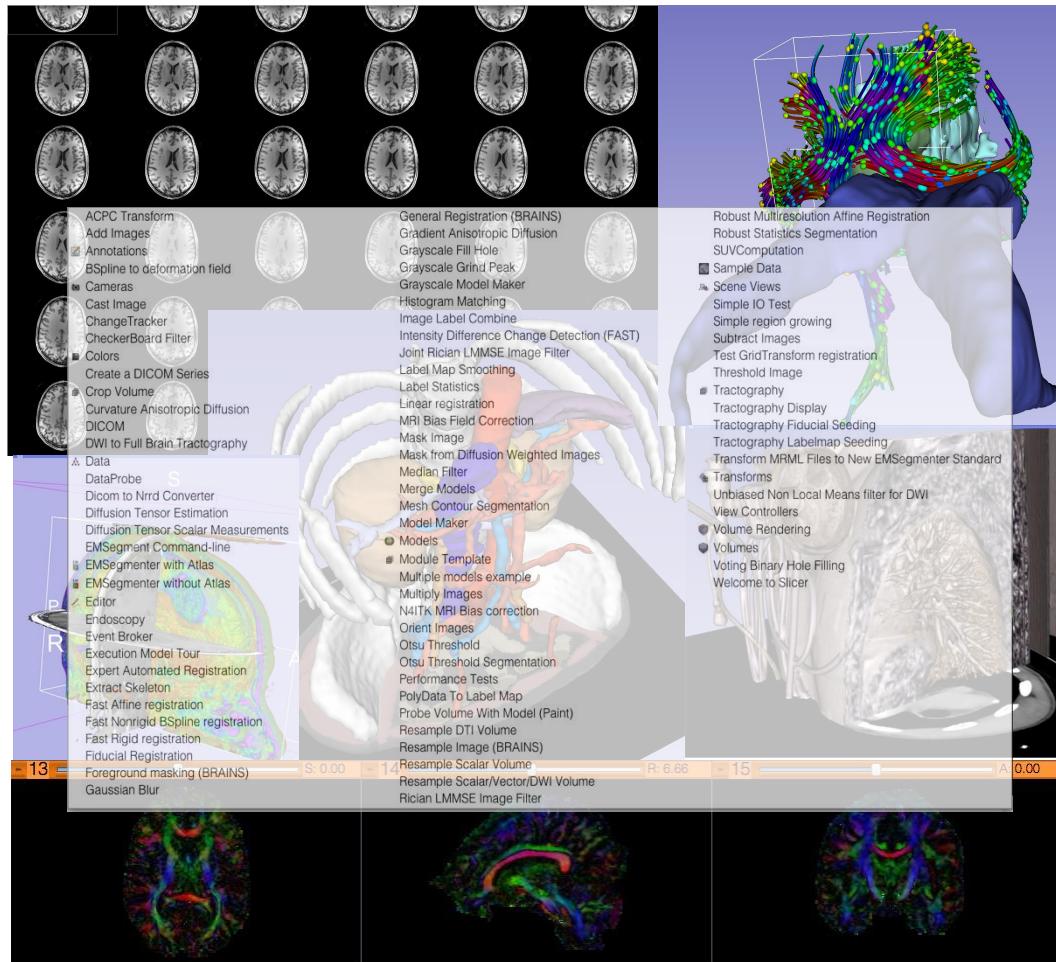
Este tutorial é uma breve introdução ao módulo de boas-vindas do programa de código aberto *Slicer*.



# Noções básicas do *Slicer* 5.6.2

- *Slicer* é um programa de código aberto para segmentação, registro e visualização de dados de imagens médicas.
- A plataforma se desenvolve por meio de um esforço multi-institucional de vários consórcios de larga escala financiados pelos Institutos Nacionais de Saúde (*NHI*, em inglês).
- O *Slicer* destina-se apenas à pesquisa médica, não sendo aprovado pela Administração de Alimentos e Medicamentos (*FDA*, em inglês).

# Noções básicas do *Slicer* 5.3.0



Imagens cedidas pelo Dr. Ron Kikins

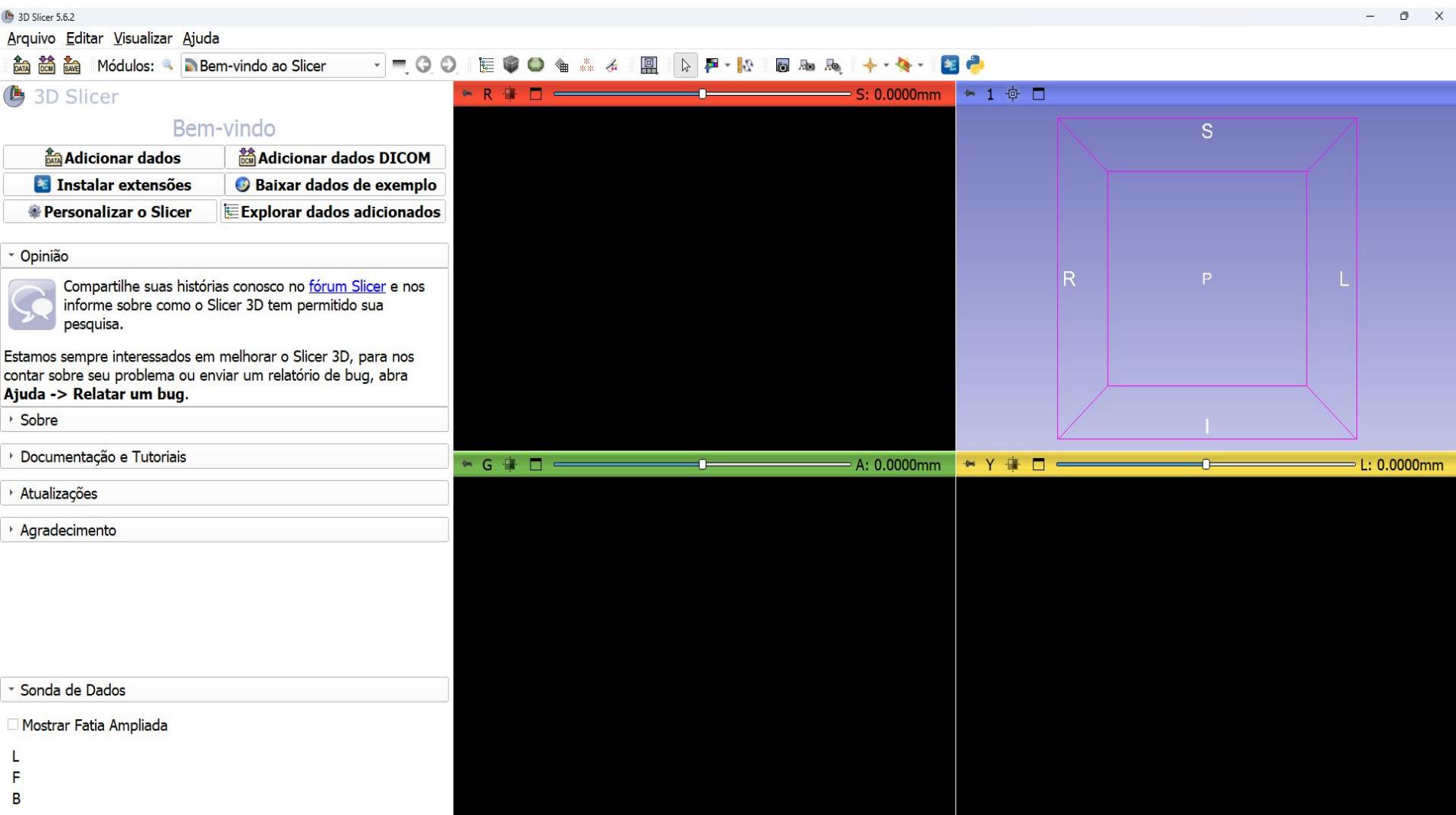
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NA-MIC ARR 2011-2024

O 3D *Slicer*, em sua versão 4.8.1, inclui 130 módulos e 74 extensões para segmentação de imagens, registro e visualização em 3D de dados de imagens médicas.

# Plataformas compatíveis

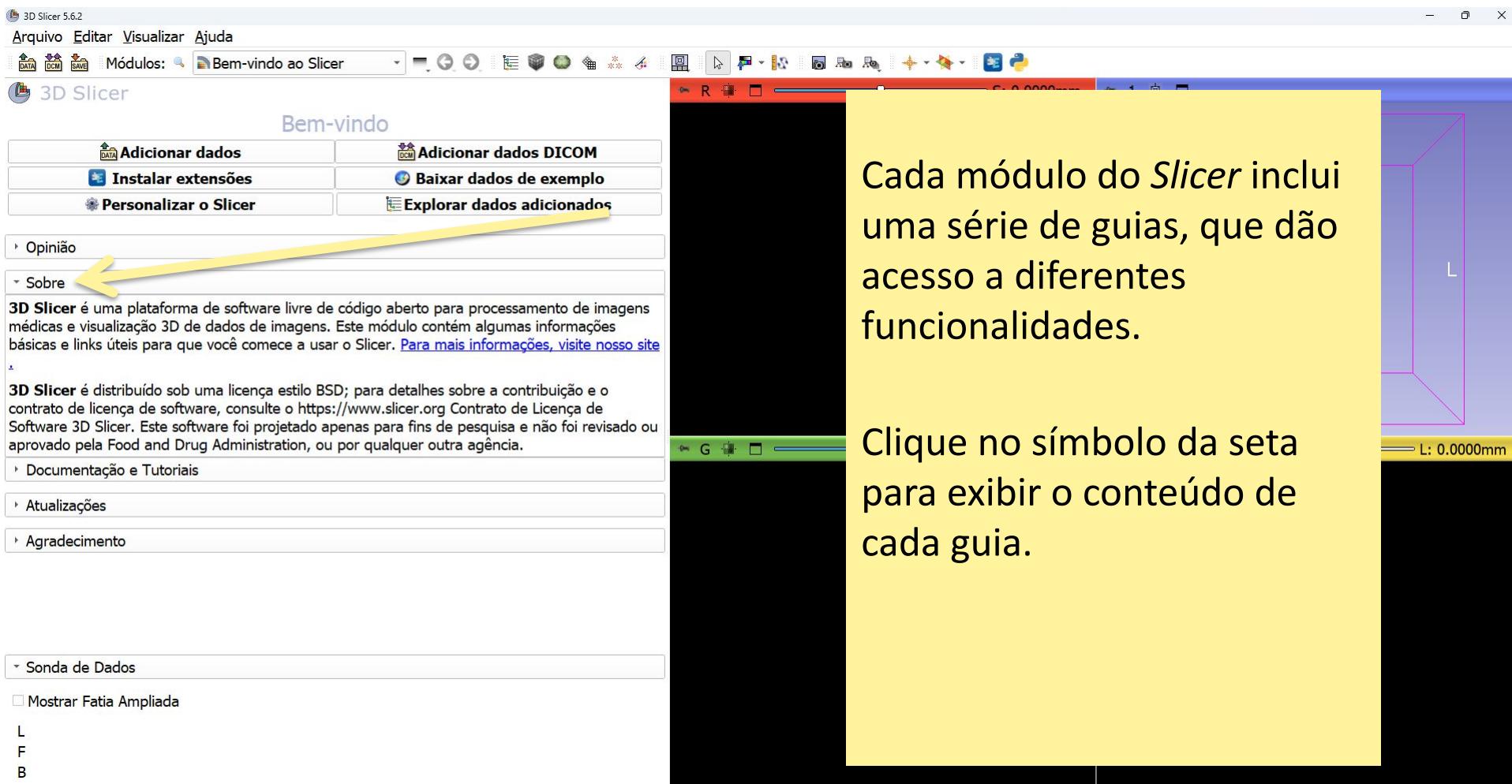
- O *Slicer* é um programa multiplataforma desenvolvido e mantido em *Mac OSX*, *Linux* e *Windows*.
- O *Slicer* requer um mínimo de 2 GB de *RAM* e um acelerador gráfico dedicado com 64 MB de memória gráfica integrada.

# 3D Slicer versão 5.6.2



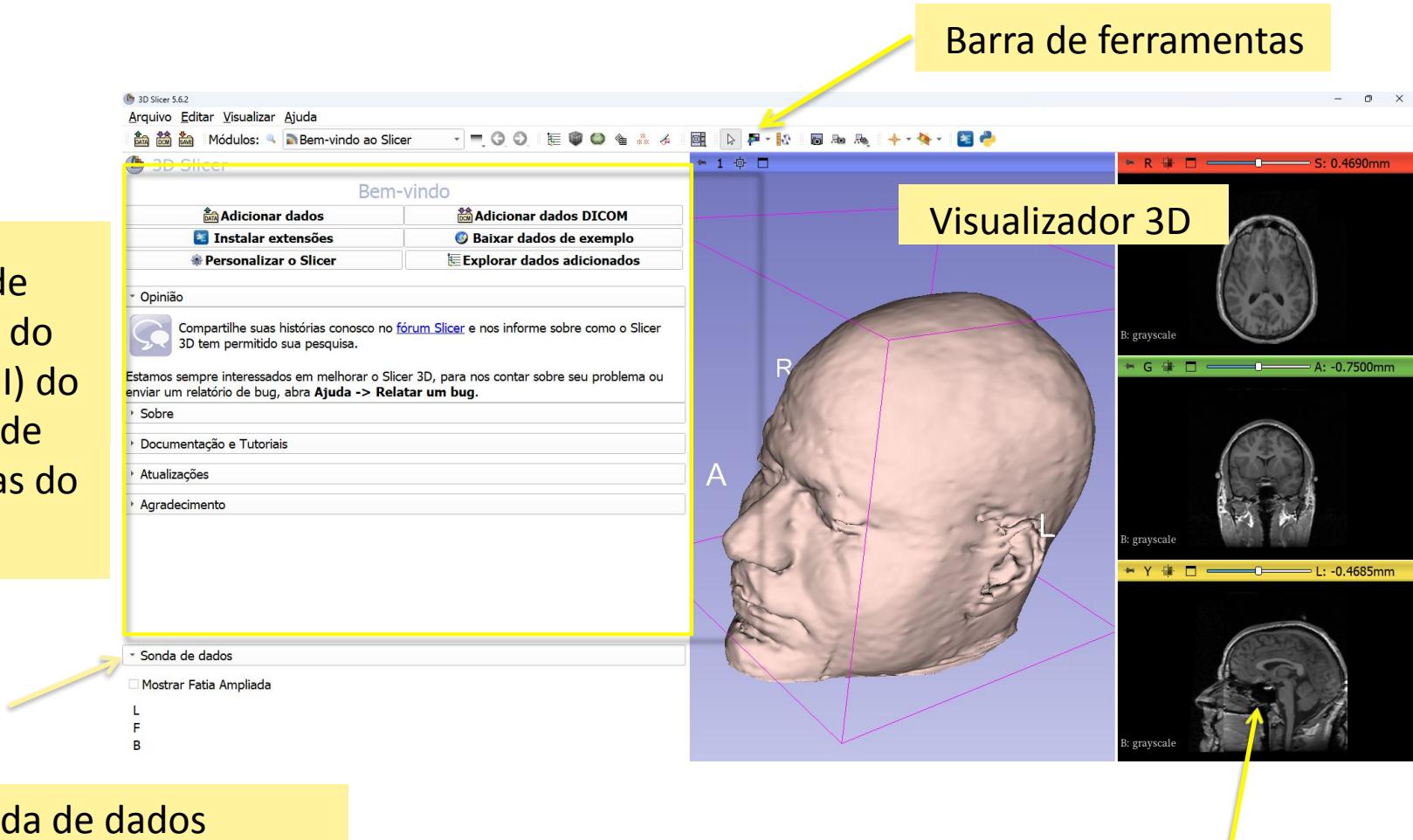
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# Bem-vindos ao *Slicer*



# Interface do Usuário do *Slicer*

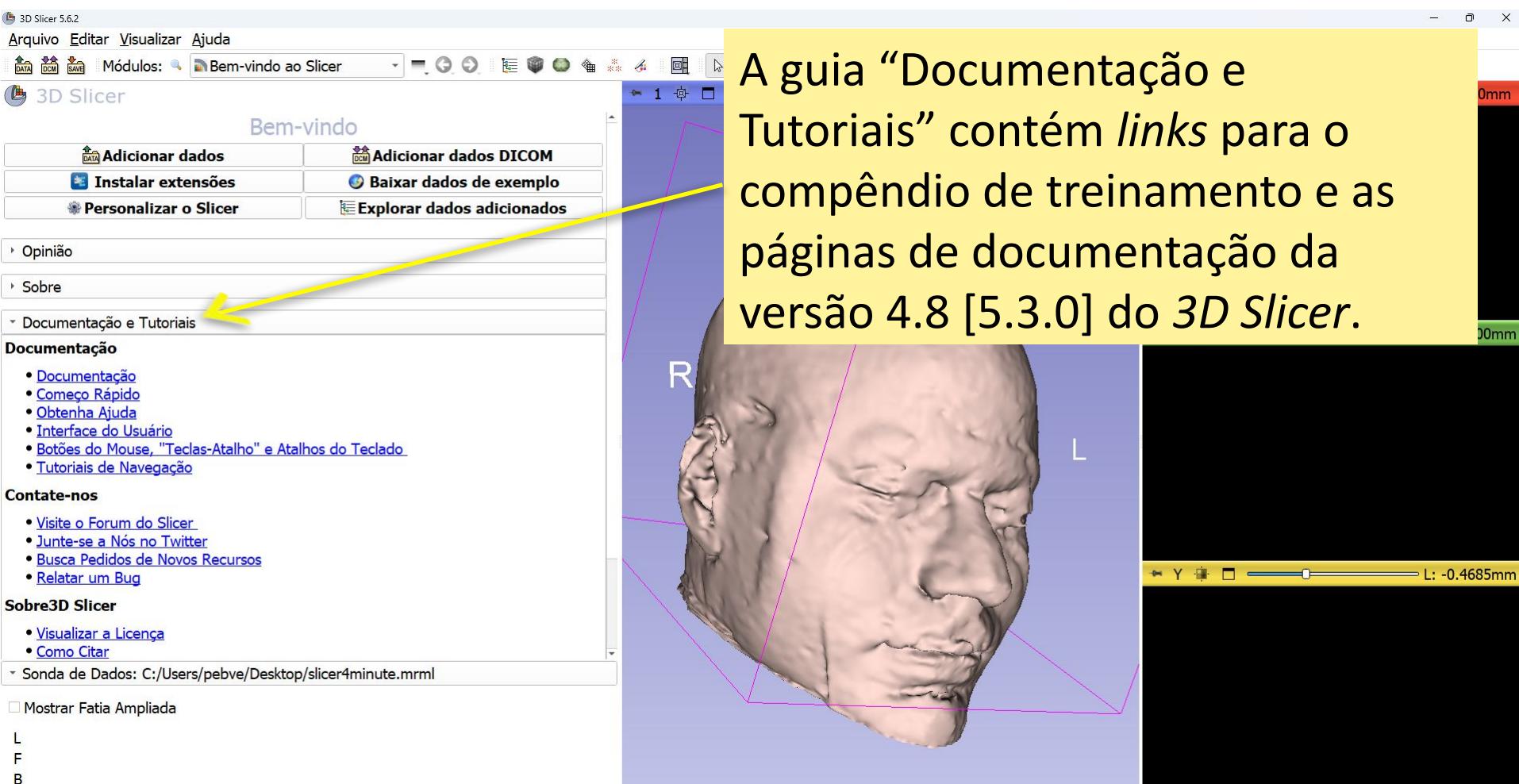
Painel de Interface do Usuário (UI) do módulo de boas-vindas do *Slicer*



Sonda de dados

Visualizadores anatômicos 2D

# Módulo de boas-vindas



# Treinamento e Documentação do *Slicer*

## 5.6.2

page discussion view source history

### Documentation/Nightly/Training

Jump to: navigation, search  
Home < Documentation < Nightly < Training

#### Introduction: Slicer Tutorials

- This page contains "How to" tutorials with matched sample data
- For "reference manual" style documentation, please see the Slicer Wiki
- For questions related to 3D Slicer training materials and to the [Slicer 3D Slicer](#).
- Some of these tutorials are based on older releases of 3D Slicer. In updated versions. For tutorials for older versions of Slicer, please see the [Slicer 4](#) documentation.

**Contents [hide]**

- 1 Introduction: Slicer Tutorials
- 2 Quick Start Guide
  - 2.1 Downloading and Installing Slicer
- 3 General Introduction
  - 3.1 Slicer Welcome Tutorial
  - 3.2 Slicer4Minute Tutorial
- 4 3D Visualization
  - 4.1 Data Loading and 3D Visualization
  - 4.2 DICOM
  - 4.3 Open Anatomy Browser

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Home < Documentation < Nightly

For the latest Slicer documentation, visit the [read-the-docs](#).

Nightly 4.10 4.8 4.6 4.5 4.4 4.3 4.2 4.1 4.0 3.6 3.5 3.4 3.2 ALL VERSIONS

#### Where to start ?

- Getting started
- Quick overview about Slicer
- Training pages
- Information on how to use Slicer Nightly
- FAQ
- Set of common questions/answers
- Discussion Forum
- The most effective way to get help from the community

#### How to

- Report a problem / Create a feature request NEW

#### Slicer Application

- Installation / Uninstallation
- Main Application User-Interface
- Application Settings
- Extensions Manager
- Mouse Buttons, "Hot-keys" and Keyboard Shortcuts

#### Modules

- Data
- Data Store
- DICOM
- Markups
- Models
- Scene Views
- Segmentations
- Segment Editor
- Transforms
- View Controllers
- Volume Rendering
- Volumes
- Welcome to Slicer

#### Developers Corner

- Information for Software Developers UPDATED
- Source code, contribute patch, develop modules

#### Miscellaneous

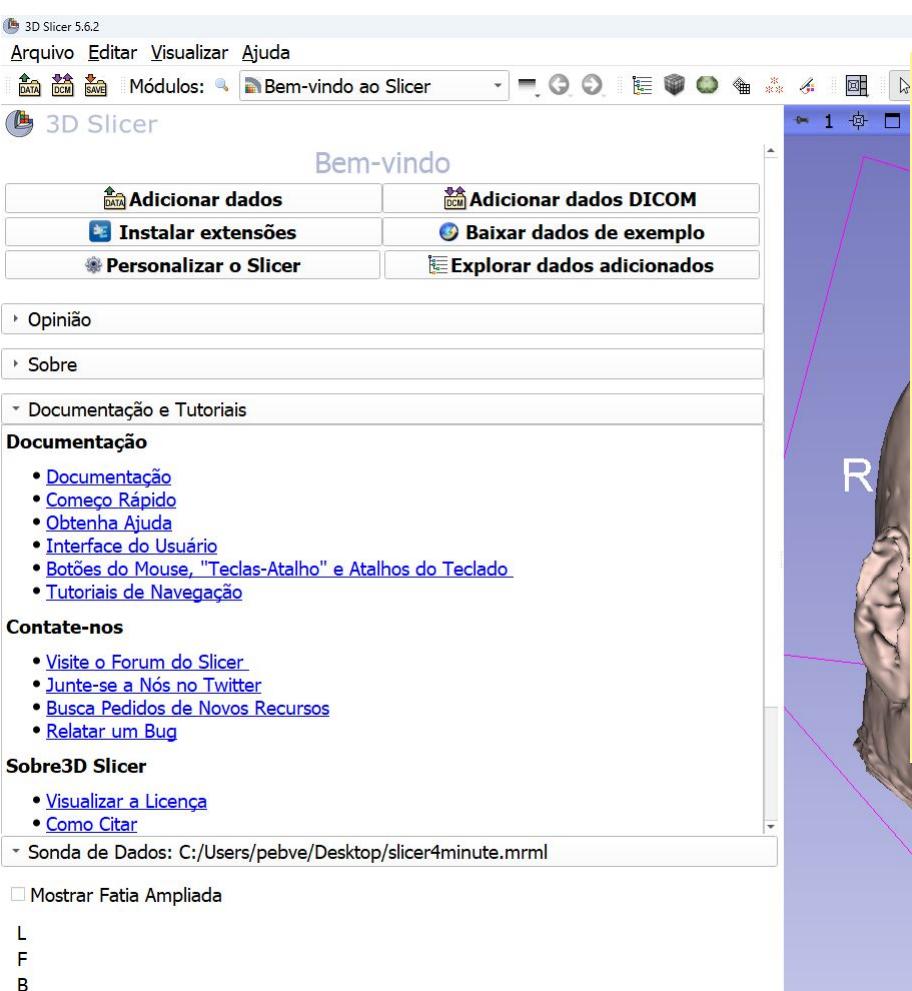
- Documentation guidelines
- Slicer user documentation principle and guidelines
- Visual blog
- Set of screenshots showing Slicer in action.
- Release Notes
- Platform specific issues and considerations
- Announcements & Acknowledgments
- Registration Library

Real-life example cases of using the Slicer registration tools, incl. datasets and step-by-step instructions to follow and try yourself.

#### Documentation in other languages

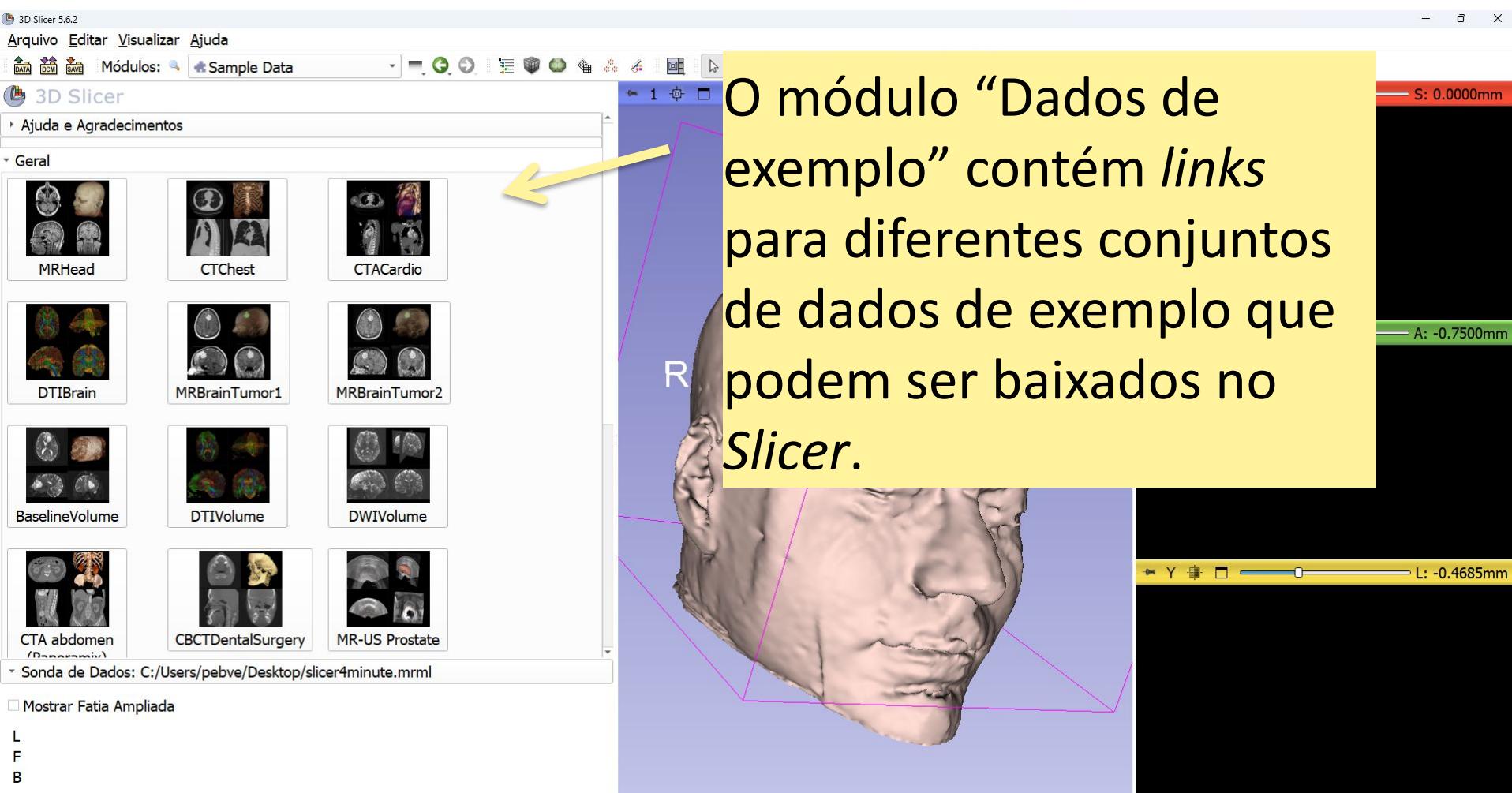
- Español

# Módulo de boas-vindas

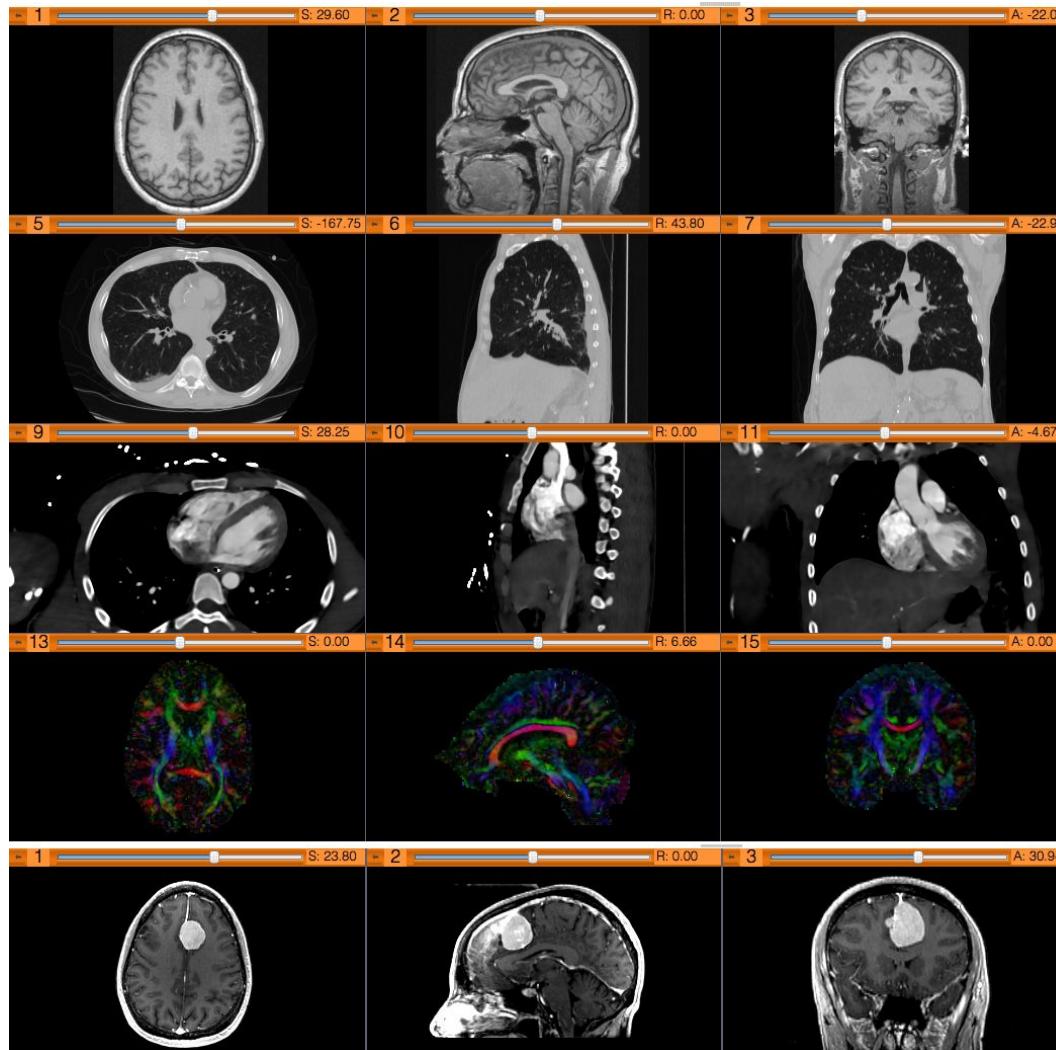


- O painel do módulo de boas-vindas contém atalhos para carregar diferentes tipos de dados. Uma série de dados de exemplo também está disponível.
- Clique em “Baixar dados de exemplo” para acessar o “Módulo de dados de exemplo”.

# Dados de exemplo



# Dados de exemplo



Ressonância magnética cerebral

Tomografia computadorizada torácica

Tomografia computadorizada cardíaca

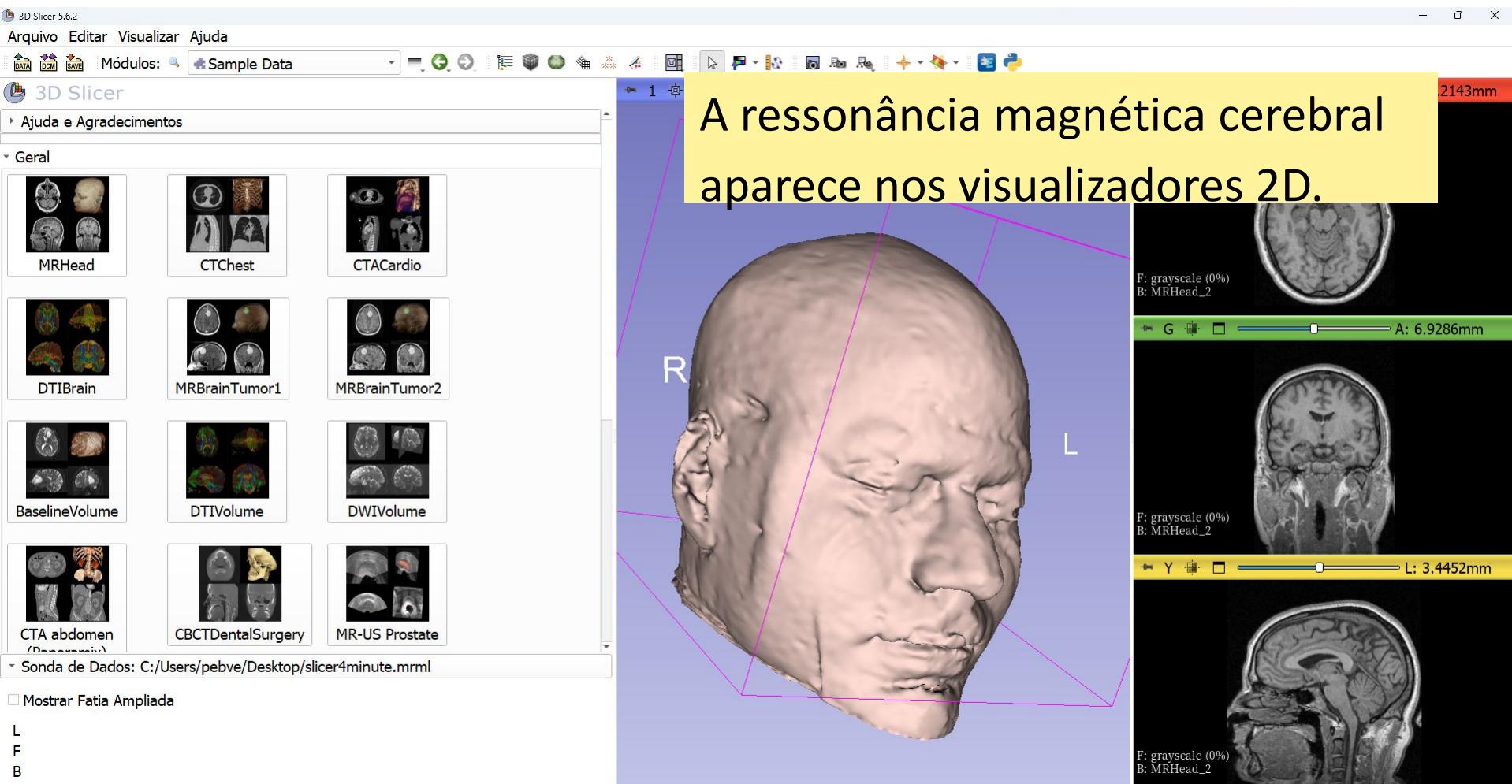
Tensor de difusão Conjunto de dados de imagem (*DTI*)

Ressonância magnética cerebral (paciente com tumor)

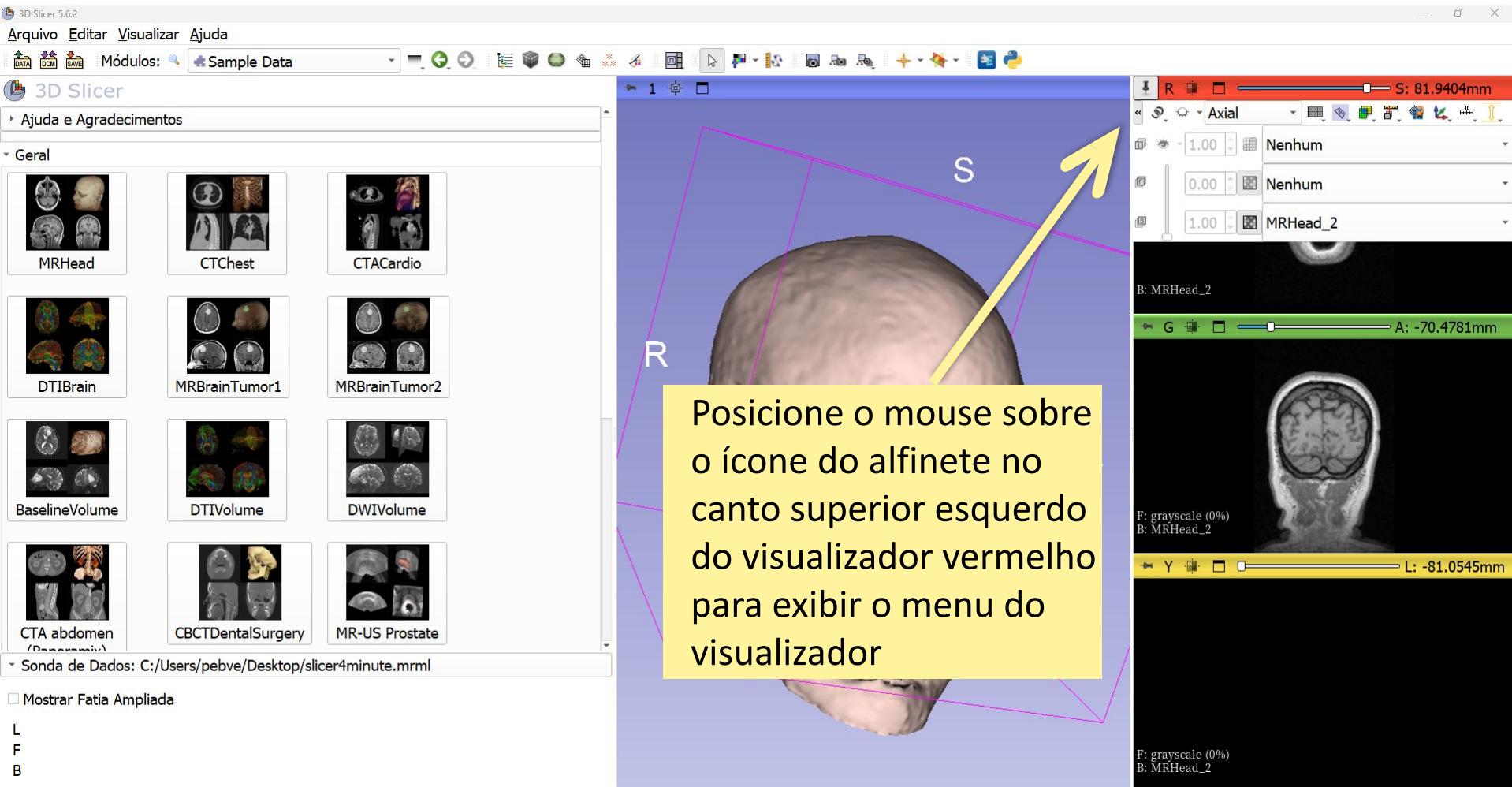
# Dados de exemplo



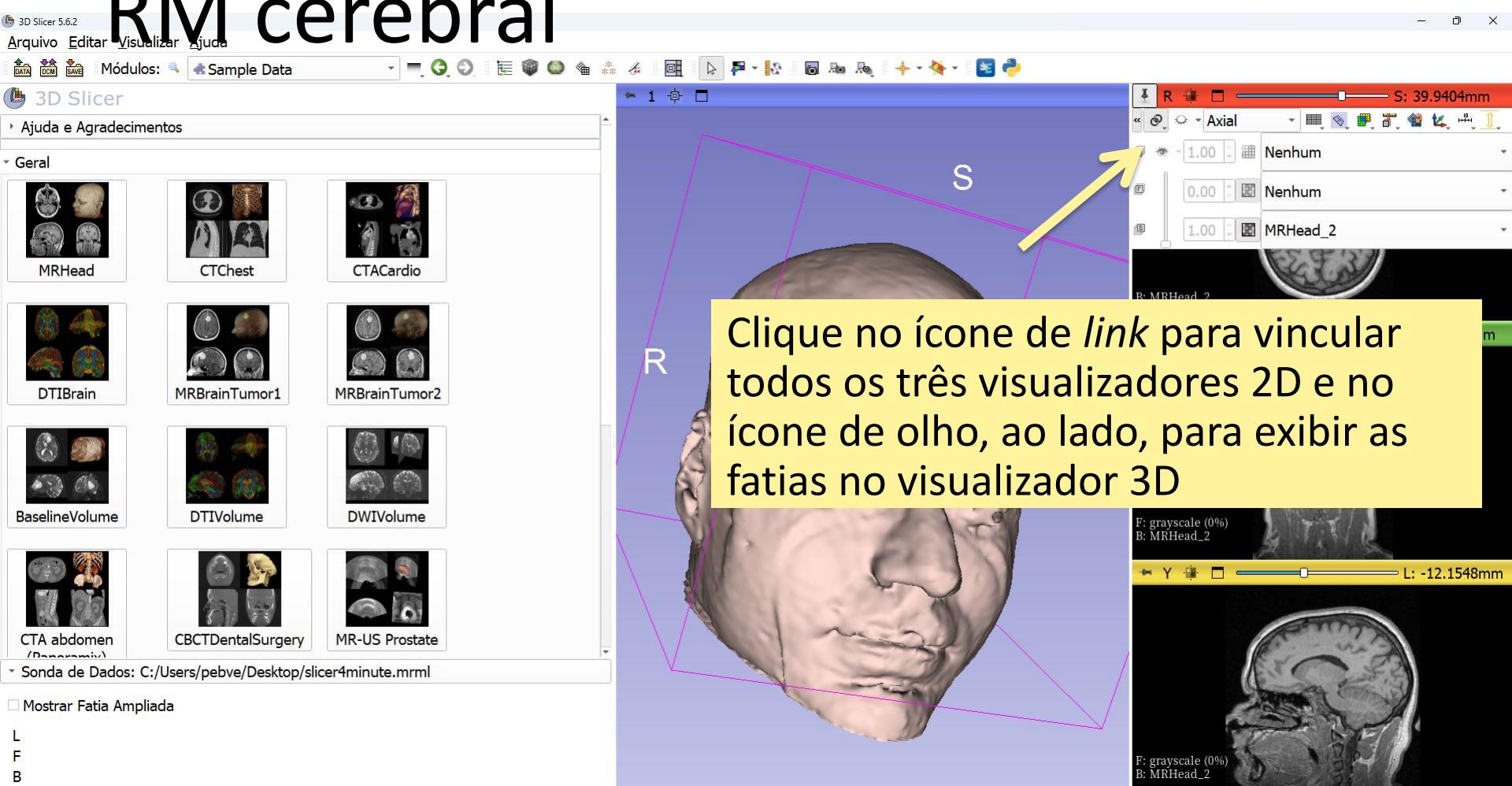
# Módulo de boas-vindas



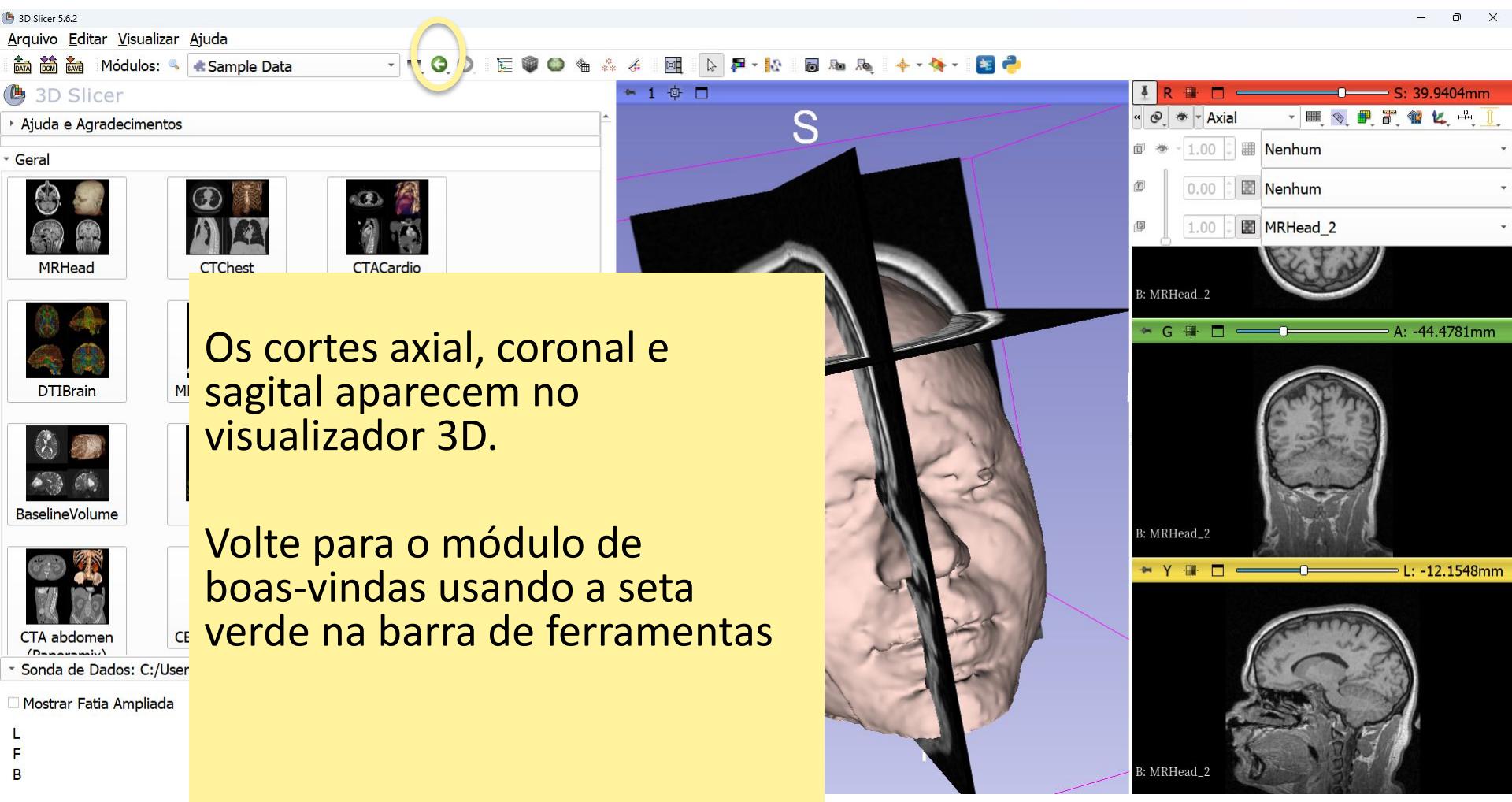
# Conjunto de dados de exemplo MR Head



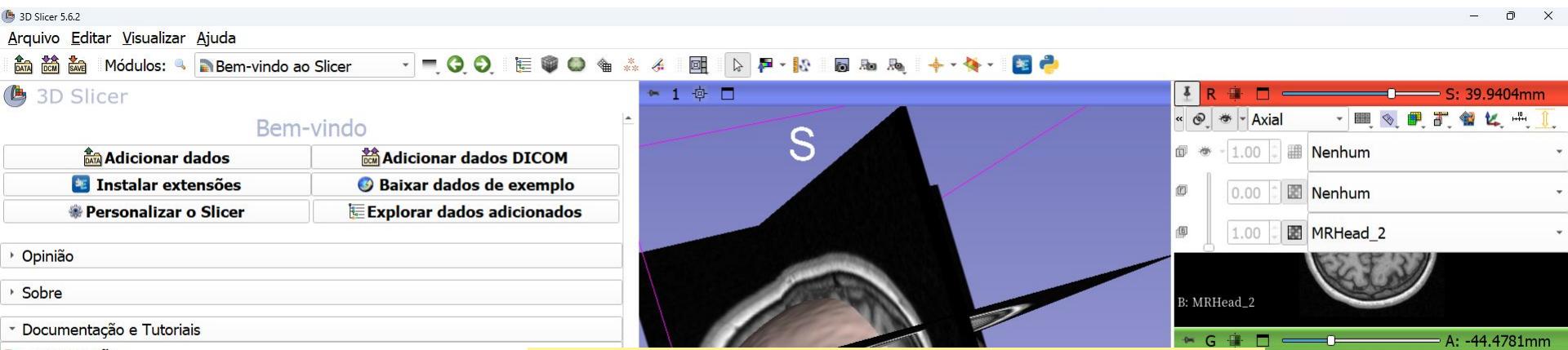
# Conjunto de dados da amostra de RM cerebral



# Conjunto de dados da amostra de RM cerebral



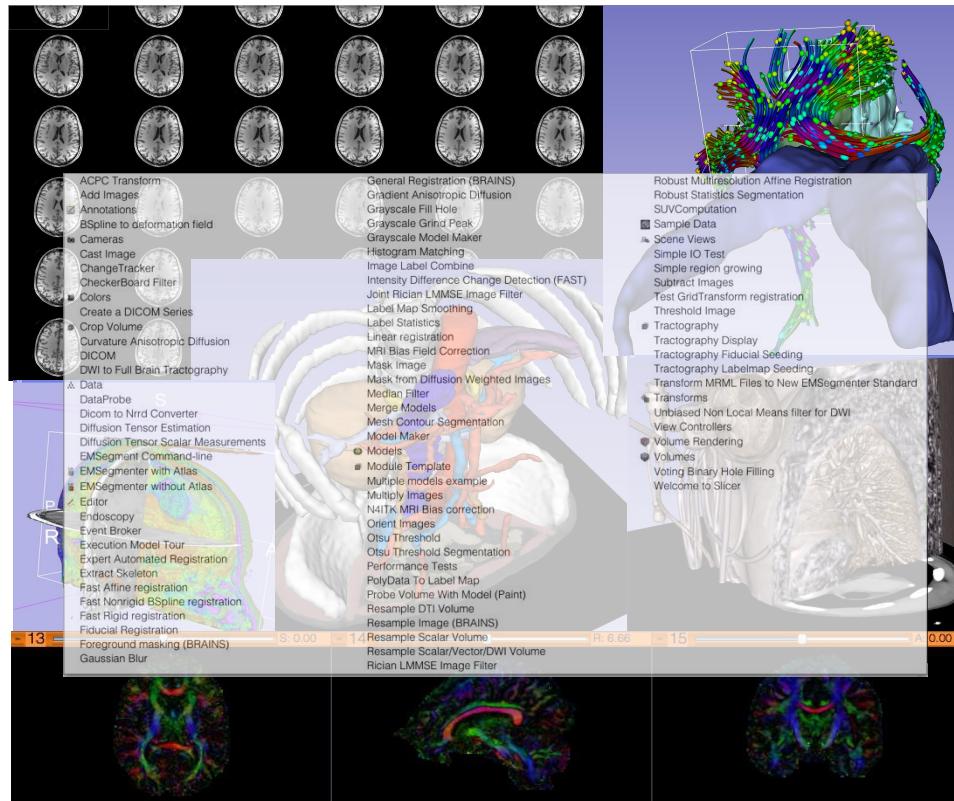
# Mais informações



The screenshot shows the 3D Slicer 5.6.2 interface. On the left is the 'Bem-vindo' (Welcome) panel with links for adding data, DICOM extensions, personalizing Slicer, and documentation. Below it are sections for opinions, about the software, and documentation/tutorials. The main workspace displays a 3D rendering of a brain with a slice labeled 'S'. To the right are two 2D axial slices of a brain, labeled 'A' and 'B', with coordinate sliders indicating positions: 'S: 39.9404mm', 'A: -44.4781mm', and 'L: -12.1548mm'. The bottom of the screen shows a 3D rendering of a head with a slice labeled 'I'.

Para saber mais sobre o *Slicer* e suas diferentes funcionalidades, visite o compêndio do *Slicer* 5.6.2

# Mais informações



<https://www.slicer.org/wiki/Documentation/Nightly>

# Agradecimentos



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