

 3d slicer logo

# **3D Slicer**

## **Data Loading and Visualization Tutorial**

# Tutorial Dataset

**Please download the following  
datasets:**

[https://github.com/PerkLab/PerkLabBootcamp/raw/master/Data/VisualizationTutorial\\_HeadScene.mrb](https://github.com/PerkLab/PerkLabBootcamp/raw/master/Data/VisualizationTutorial_HeadScene.mrb)

# Main user interface

# Load Sample MRI Data

# Load Sample MRI Data

# Load Sample MRI Data

# Adjust window/level

# Adjust window/level



# Switch back to view/transform mode

# Maximize view

# Slice view options

# Slice view options

# Show ruler

# Rotate to volume plane

# Switch to conventional layout

# Link views



# Show slices in 3D

# Show slices in 3D

# Navigating the 3D view

# Close the scene

# **Part 2: 3D visualization of surface models of the brain**

# Load tutorial scene

# Center view

# Explore loaded data



# Explore loaded data

# Foreground image

# Create folder

# Context menu actions

# Rename folder

# Select multiple nodes

# Move nodes to folder

# Hide all nodes in folder



# Volume rendering

# Display options

# Adjust volume rendering

# Show models again

# Show models again

# Change skull model opacity

# Show axial slice in 3D

# Show coronal slice in 3D



# Model clipping

# Model clipping

# Model clipping

# Model clipping

# 3D display options

# Save the scene

# Save the scene

# Close the scene



# **Load your recently saved scene**

# Thanks for participating!