

International Epilepsy Electrophysiology (IEEG) Portal

`www.ieeg.org`

IWSP7 Tutorial
August 3rd, 2015

Description

The IEEG Portal is a cloud-based web application that allows you to easily view and access data in real-time, through a web browser or through programming environments such as Matlab.

The first part of the tutorial will cover an introduction as well as a hands-on overview of the web and Matlab interfaces. Following the intermission, we will have a mini seizure detection project that you can work on individually or in groups to highlight the strengths of the portal.

Preparation

Completing the steps below will allow us to get started quickly without leaving anyone behind.

1. Register for an account according to directions below
2. Ensure Matlab is working on your computer (temporary Matlab Online licenses will be provided by the University of Melbourne for those who need it)
3. Download the Matlab and CLI toolboxes <https://code.google.com/p/braintrust/wiki/Downloads>
4. Download Utilities from GitHub <https://github.com/ieeg-portal/portal-matlab-tools>
5. Bring a dataset from your lab for assistance with converting and uploading to the database for public or private use. (optional)
6. Bring a seizure detector for the second part of the tutorial. (optional)

Account Creation

In order to gain access to the datasets you must create an account on the IEEG Portal. You will be granted access to interact with real clinical and research data obtained from humans and a variety of animal models.

1. Go to <http://main.ieeg.org>.
2. Click "Create New Account"
3. Fill out required fields. **For Data Use Purposes, enter IWSP7 on the first line**
4. You will receive an email once your account is ready to access datasets (this validation is not immediate).