# Neuroinformatics resources for computational modellers



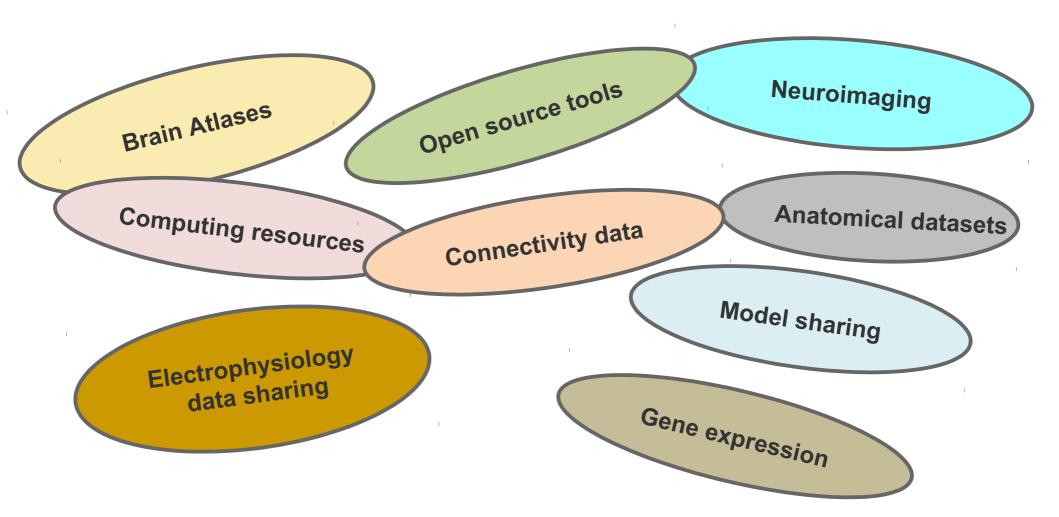
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https://github.com/NeuralEnsemble/NeuroinformaticsTutorial/blob/master/CONTRIBUTORS.md



## Introduction

Neuroinformatics (like computational neuroscience, connectomics, etc.) means many different things to different people...



#### **Current tutorial**

Focus on neuroinformatics resources which may be of use for those creating and analysing computational models of neuronal systems

## **Topics**

Experimental datasets

Structured data from literature

Analysis tools

Simulation environments

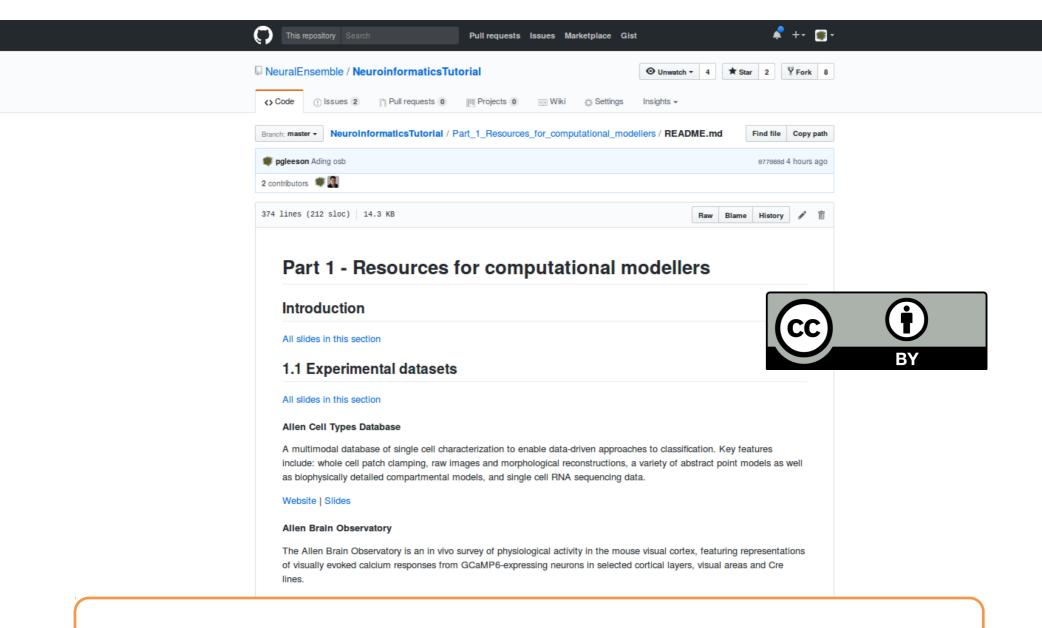
Model sharing

Computing infrastructure

Open source initiatives

Web portals

#### Online tutorial materials



https://github.com/NeuralEnsemble/NeuroinformaticsTutorial

Website | Slides

HRP Neuroinformatics

### **Exercises**

#### Hands on demonstrations

**Human Brain Project Collaboratory** 

Run Allen Institute cell model on NSG via OSB

Demonstration of Neo/PyNN using Jupyter notebooks

#### **Participant Exercises**

Cell morphology from NeuroMorpho.Org visualised on Open Source Brain

Exploring Brain Circuits with the Fruit Fly Brain Observatory

OpenWorm tutorials

