Brain Flux User Manual / Introduction

1. System Overview

Brain Flux is a big data management and analysis system developed by the cooperation of School of Medicine and School of Computer and Information at University of Pittsburgh. The goal of the system is to (1) persist brain signal data from medical practice in a large-scale data warehouse ultilized by time-series database, and, (2) use the warehoused data for further R&D tasks on both medical research and database techeniques improvement.

Users of this system should be able to perform the following tasks:

- Import preprocessed time-series data into the data warehouse (Section 3)
- Build complicated big data analysis queries with no requirement of technical background (Section 4)
- Export results from previously built queries for further research (Section 5)

2. Architechture

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