

Disease Progression Analysis of Posterior Cortical Atrophy using a Data-Driven Model

author: Razvan V. Marinescu

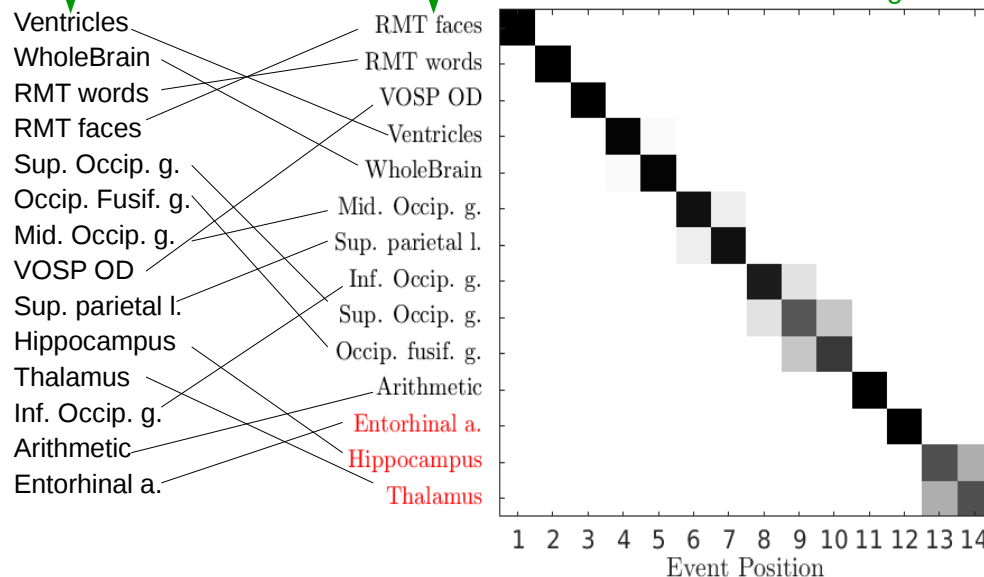
supervisors: Prof. Daniel C. Alexander
Dr. Sebastian Crutch

- **Motivation:** Analyse the progression of Posterior Cortical Atrophy (PCA), which is a subtype of Alzheimer's Disease
 - symptoms of PCA: blurred vision, difficulty in movement
- **Methodology:** Used an event-based statistical model
- **Results:** Found out the order in which brain areas are affected in PCA
- **Impact:** better understanding of PCA, which will help find it's causes and treatment

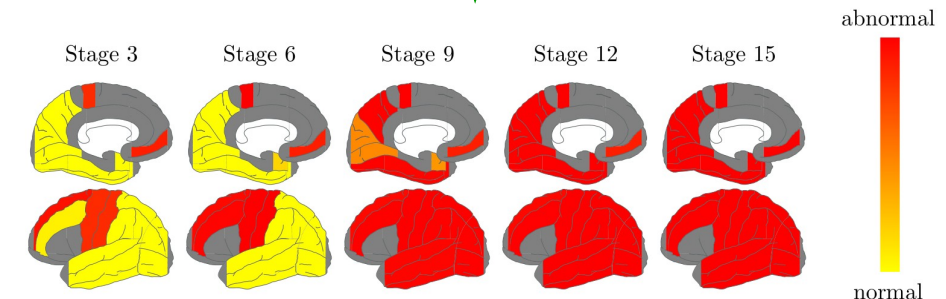
Measurements of
brain regions and
cognitive tests

Sorted by when they
become abnormal

Confidence in the ordering

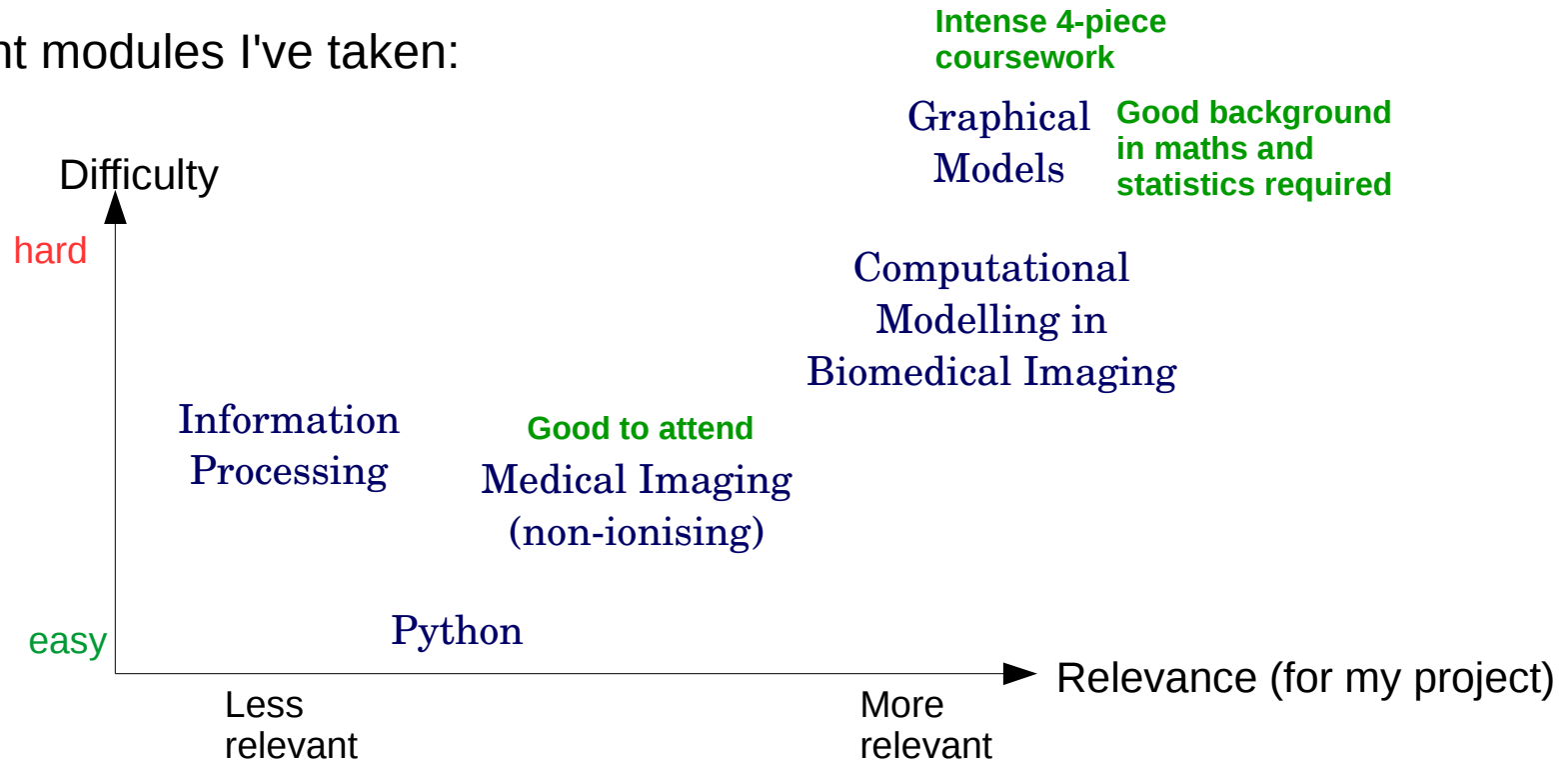


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CDT experience

- Taught modules I've taken:



- Recommendations for future students:
 - Volunteer for an MRI scan
 - Be active in the journal club discussions
 - Start working early on the MRes project