Artificial Neural Networks

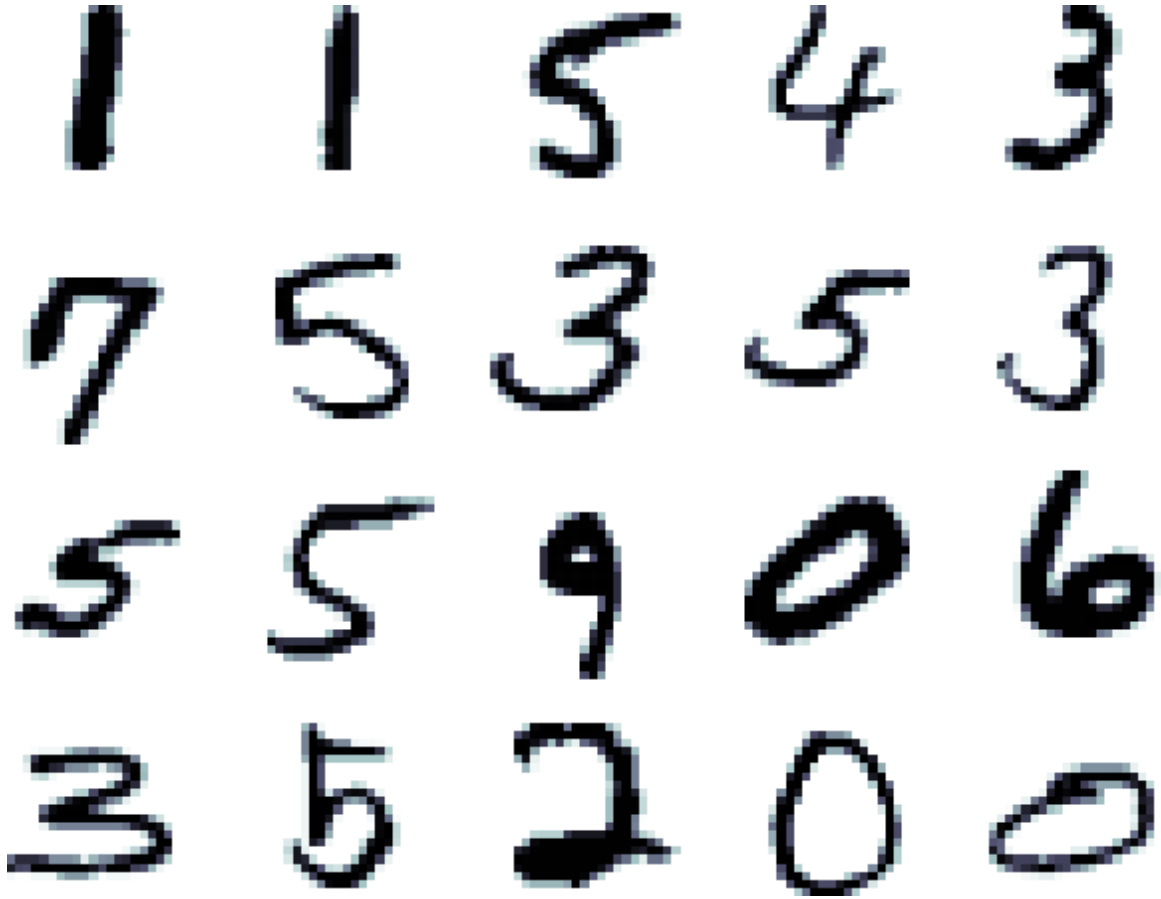
Brown Bag

September 10, 2015

Contents

Introduction Slide

How do you write a program to read this?

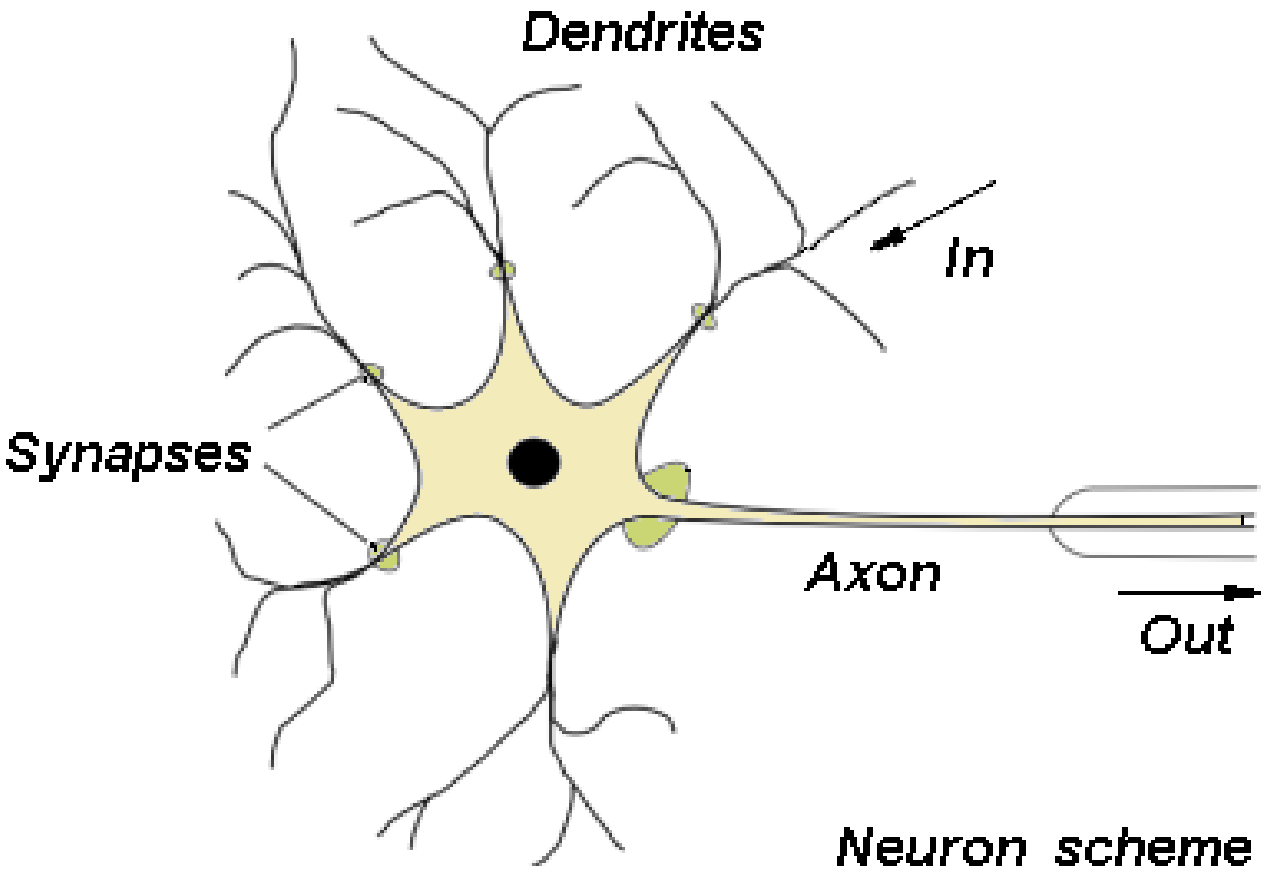


SO HOW DO WE TEACH COMPUTERS?

CONSEQUENCES

- Simpler signal represntation
- Reduced computational demands
- Efficient processing
- Portable and affordable BCIs

A BRIEF INTRO TO BRAIN MATTERS



Another Background Slide

This is the Methodology of my stuff

P300 Speller

This is code to embed a video in your presentation.

```
\begin{figure}[ht]
\includemovie[
poster,
text={\small(Loading...)}
]{6cm}{6cm}{P300.mp4}
\end{figure}
```

Results, Show Me the Money

To Conclude

Results

- The usefull information is not lost with signal distortion
- Counter-intuitive result
- Indication of a some hidden process
- EEG signals can be represented in simpler forms

Consequences

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- Reduced computational demands
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Columns Code

```
\begin{columns}
\column{2.4in}{\sc Results}
\begin{itemize}
\item One
\item Two
\end{itemize}
\column{2in}{\sc Consequences}
\begin{itemize}
\item Other one
\end{itemize}
\end{columns}
```

Let's Talk

These results can provide further insight into brain functionality

I would like to thank...

Questions?

Here you can have pictures of the investigator and mentor, os the logos of the labs and institutions involved