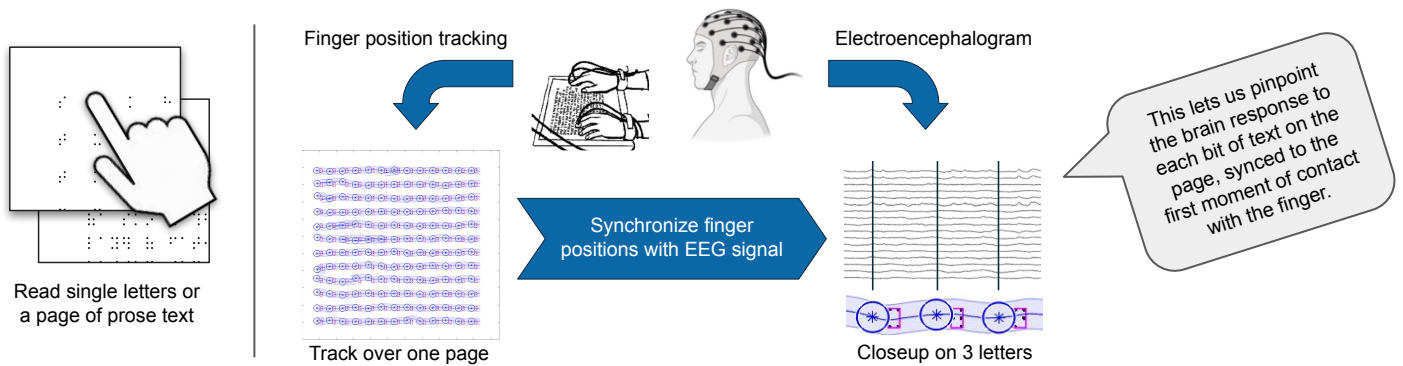


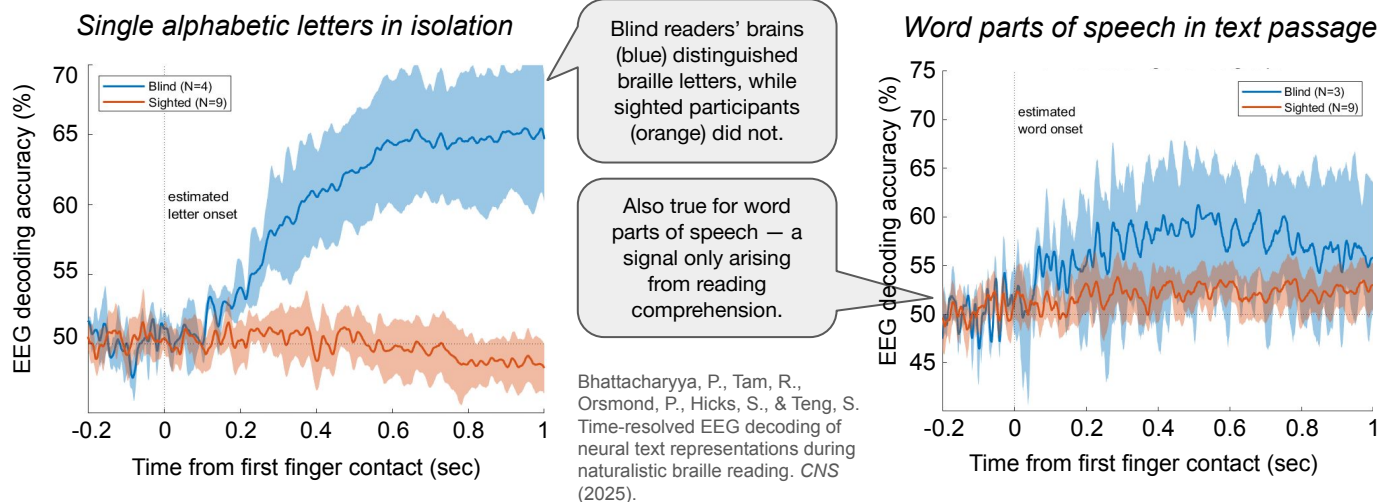
1. The basic idea: Braille reading and EEG

We track readers' **moving hands** and **brain waves** simultaneously



2. What we've already been doing

We can distinguish **letters** and **words** from the brain signal alone



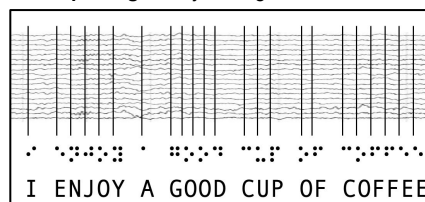
3. Where we hope to go from here

Strengthen the **proof of concept**, analyze **more complex signals**

We can strengthen our promising early results by **replication with more participants**. This helps support our analyses more robustly with **proper statistical power**, and makes our **conclusions more generalizable**.



We will analyze how the brain **processes the whole passage**, not just single letters or words.



This gives us an **end-to-end picture** of braille evolving from **dots on the fingertip to meaningful language** in the reader's brain.

Eventually we can examine **two-handed braille reading**. How does the brain combine signals from the left and right hands into a single narrative?

