

Applications of EEG: what types of research questions?

Robert Oostenveld

8 June 2026
Nairobi, Kenya

robert.oostenveld@donders.ru.nl

Types of research questions to answer with EEG

Questions about the brain and how its fundamental principles works

Questions about cognitive brain processes

- Disentagle the process into steps
- When and where does something happen

Questions where the participant or patient cannot give the answer

- Patients might not be aware of a disorder
- Pre-verbal infants cannot be instructed in their behavior

Discussion on experimental research questions for EEG