

# Learn more: MEG resources

- MEG is a developing method
- Strong user driven community
- Lots of material online available



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## FieldTrip

- Matlab toolbox (no GUI)
- Uses:
  - Preprocessing
  - Evoked responses
  - Induced responses
  - Source estimation (many methods implemented)
  - Connectivity
  - Statistics (focus on non-parametric statistics)
- Well documented tutorial at [www.fieldtriptoolbox.org](http://www.fieldtriptoolbox.org)



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## MNE

- Python package/C code (very minimal GUI)
- Uses:
  - Focus on source estimation (primarily by *Minimum Norm Estimation*)
  - Preprocessing
  - Evoked responses
  - Induced responses
  - Connectivity
- Well documented tutorial and examples at <http://www.martinos.org/mne/stable/index.html>



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## Brainstorm

- Matlab toolbox (GUI) and as standalone
- Uses:
  - Preprocessing
  - Evoked responses
  - Induced responses
  - Source estimation (many methods implemented)
  - Connectivity
- <http://neuroimage.usc.edu/brainstorm/>



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## SPM

- Matlab toolbox (GUI)
- Originally developed for (f)MRI and PET
- Uses:
  - Only toolbox for Dynamic Causal Modelling (DCM)
  - Preprocessing
  - Evoked responses
  - Induced responses
  - Statistics (similar approach as to fMRI)
- <http://www.fil.ion.ucl.ac.uk/spm/>

