Learn more: MEG resources

• MEG is a developing method
• Strong user driven community
• Lots of material online available
Learn more: MEG resources

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
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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
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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/](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/](http://www.fil.ion.ucl.ac.uk/spm/)