

Visualizing Earthquake Simulation Data

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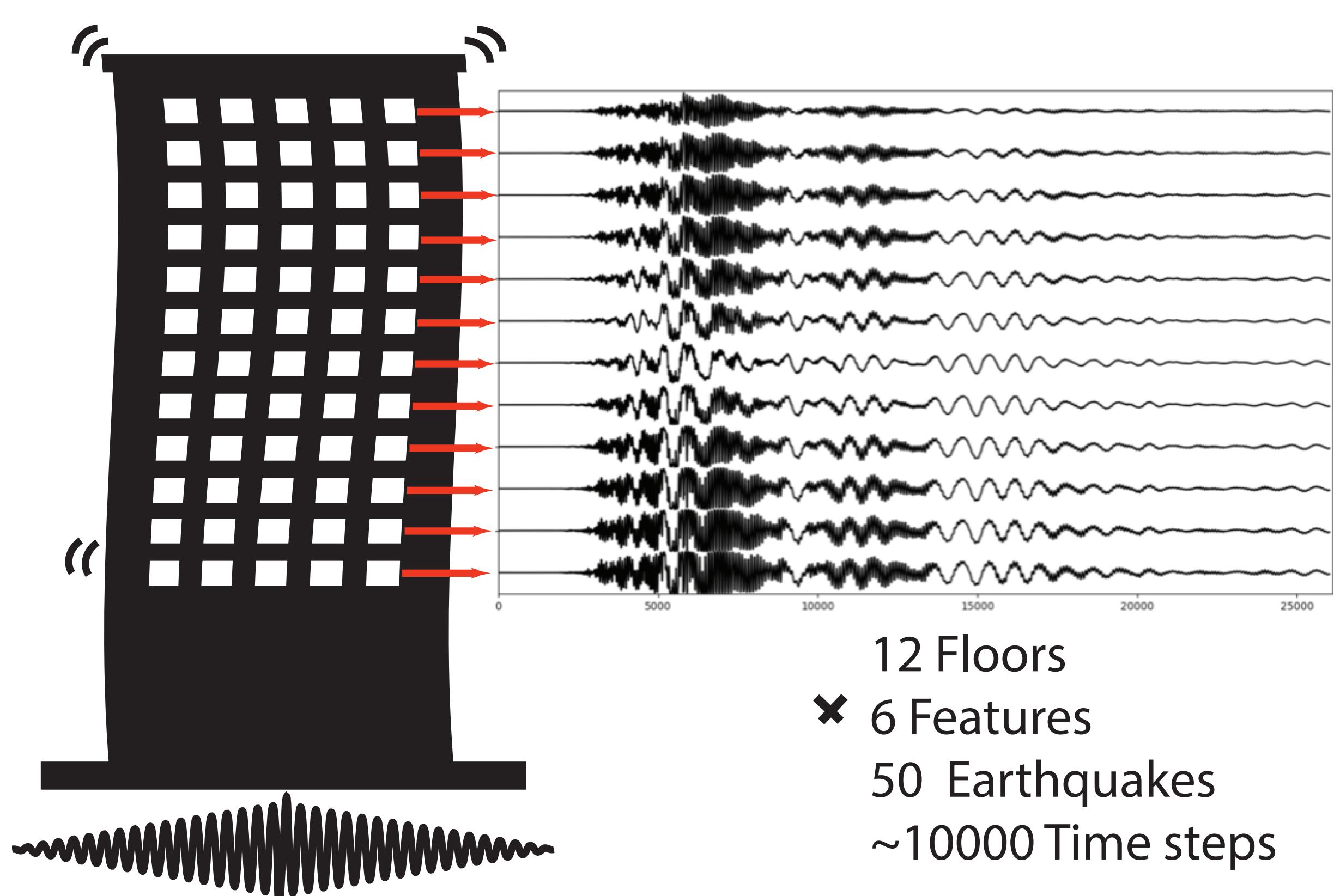
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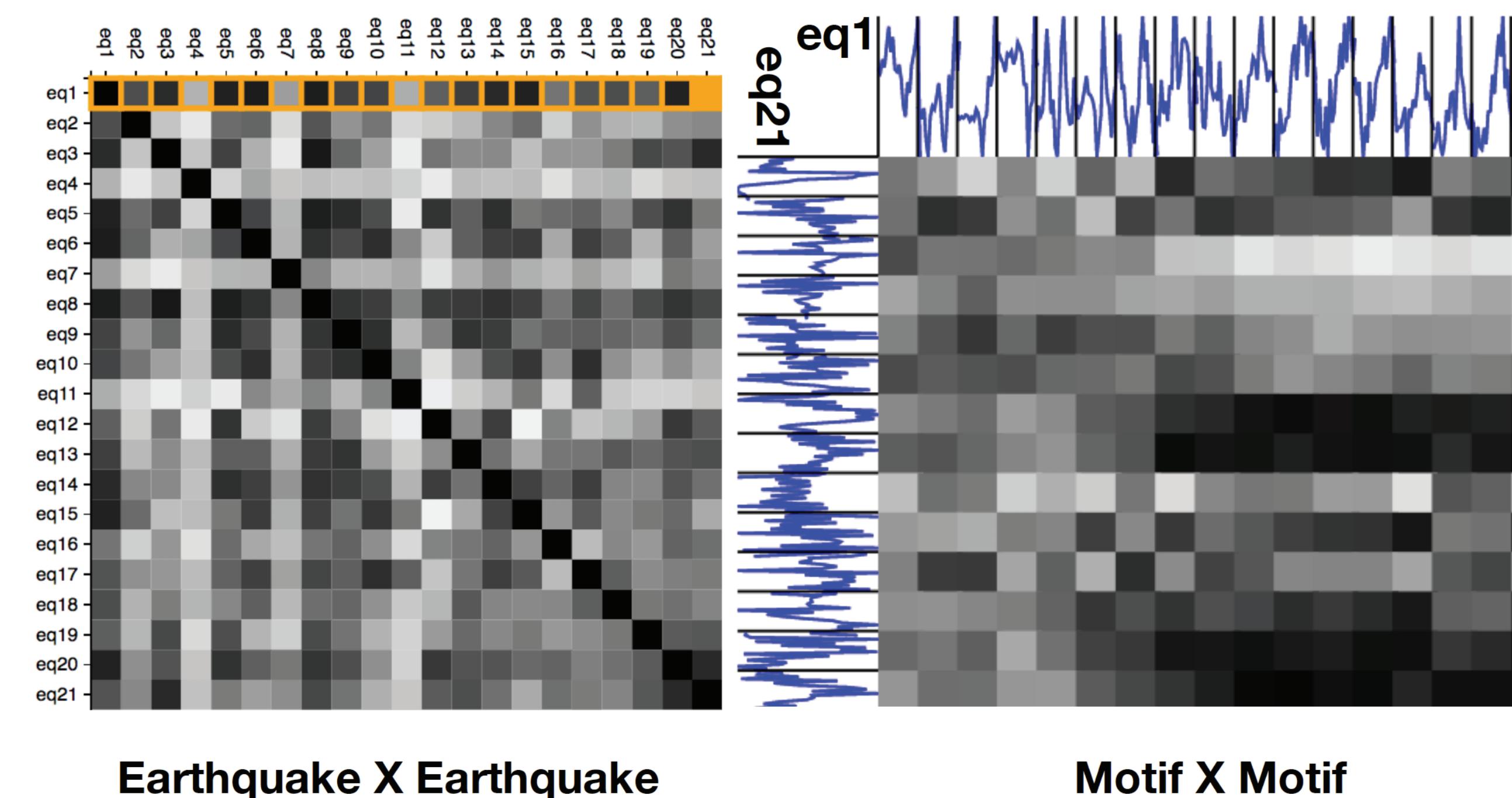
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Dataset

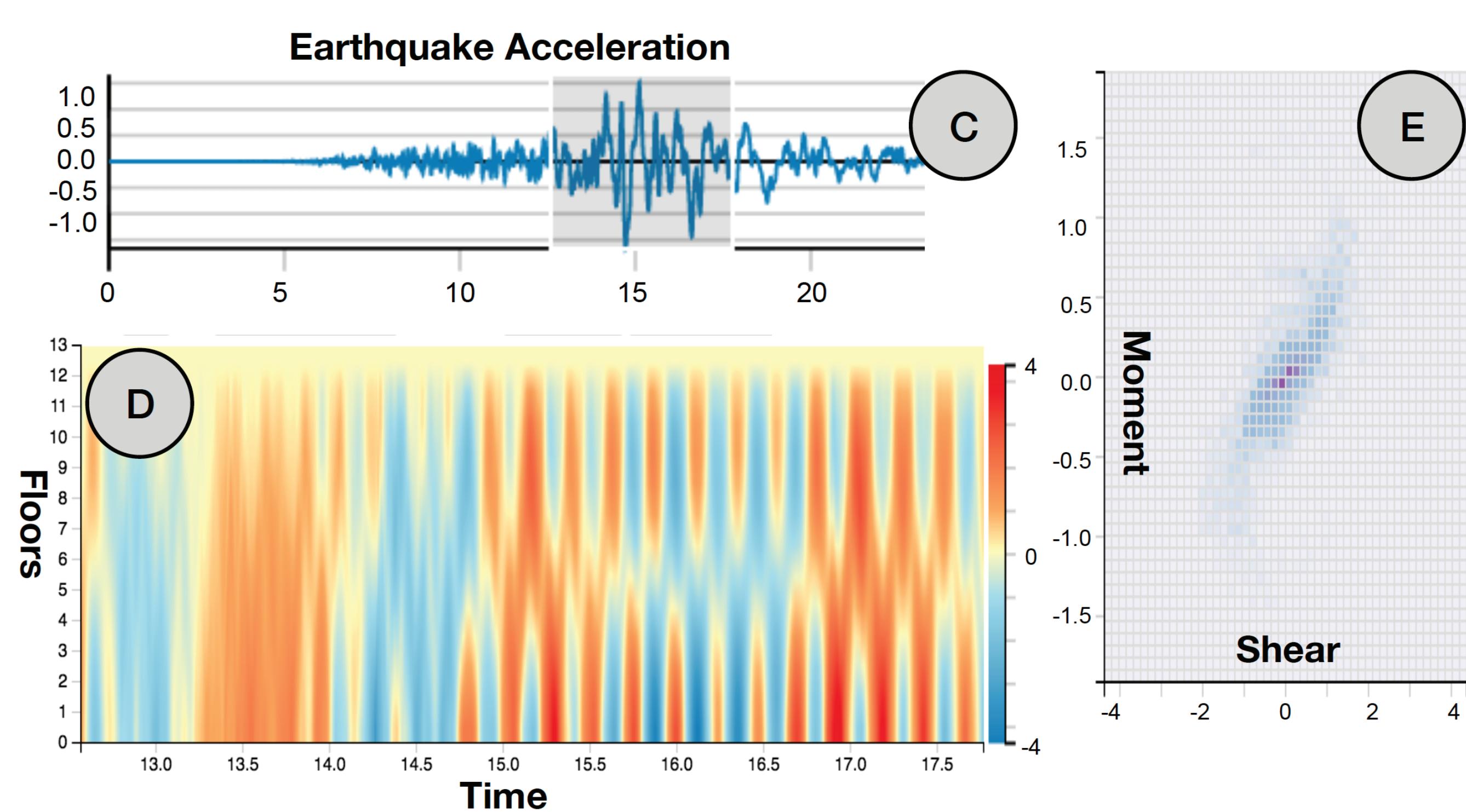


Partial views are insufficient!



Earthquake X Earthquake

Motif X Motif



References

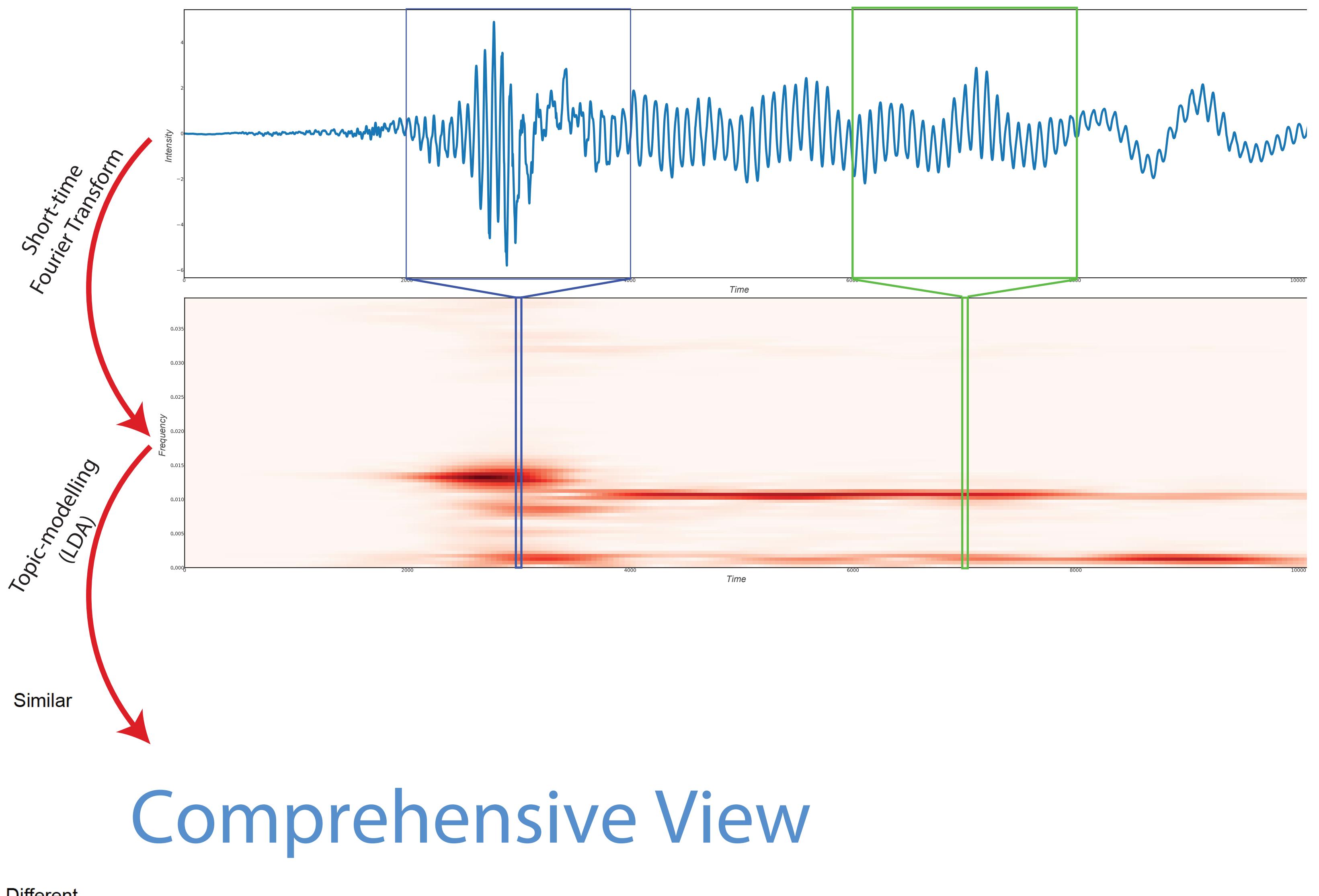
- [1] Blei, David M., Andrew Y. Ng, and Michael I. Jordan. "Latent dirichlet allocation." Journal of machine Learning research 3.Jan (2003): 993-1022.

Topic modelling identifies
time-varying multisignal evolution!

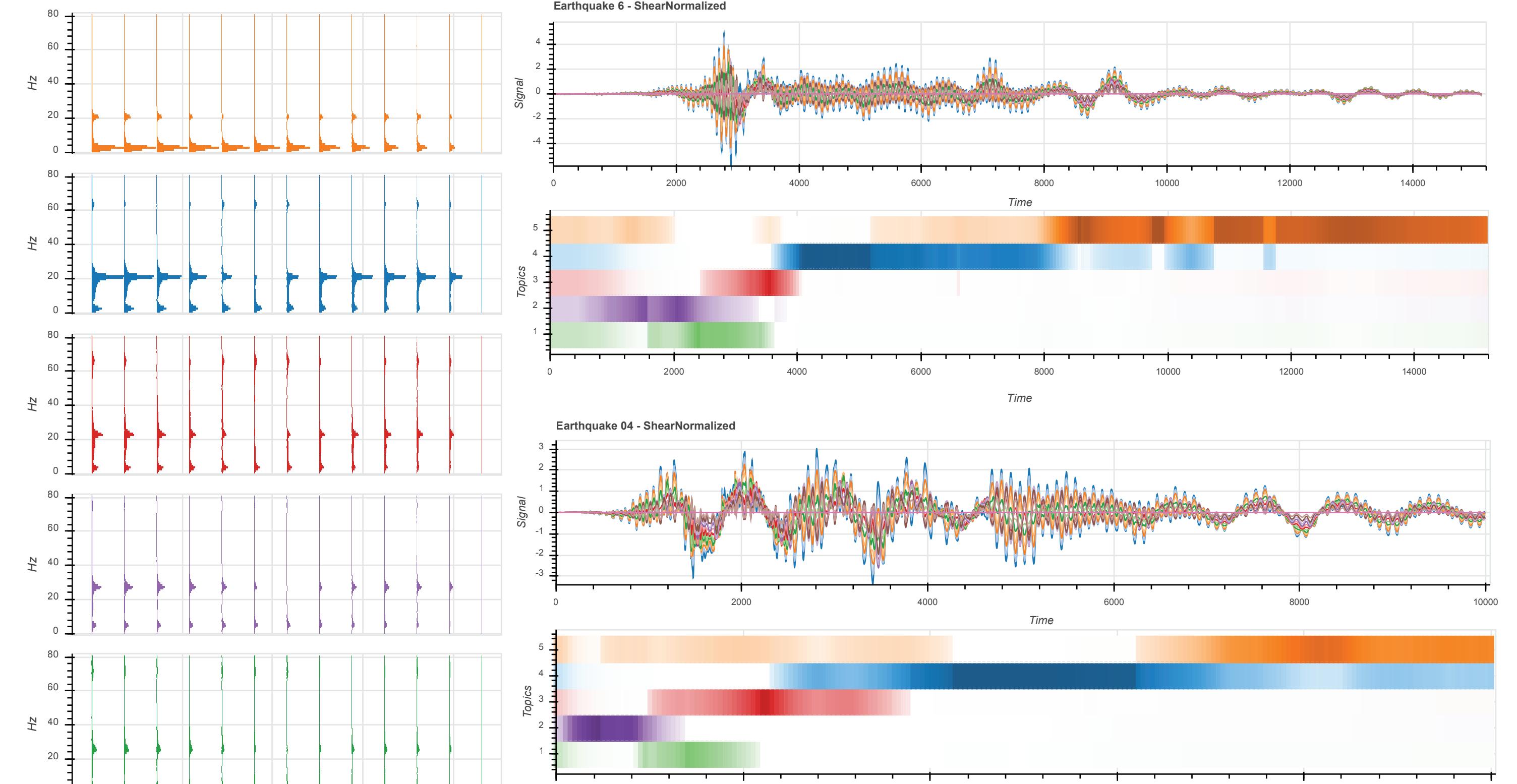
Our methodology applies topic modelling to the context of signal analysis where:

- Words are frequencies
- Documents are multi-signal segments

Methodology



Comprehensive View



Ongoing Work