

# Visualizing Earthquake Simulation Data

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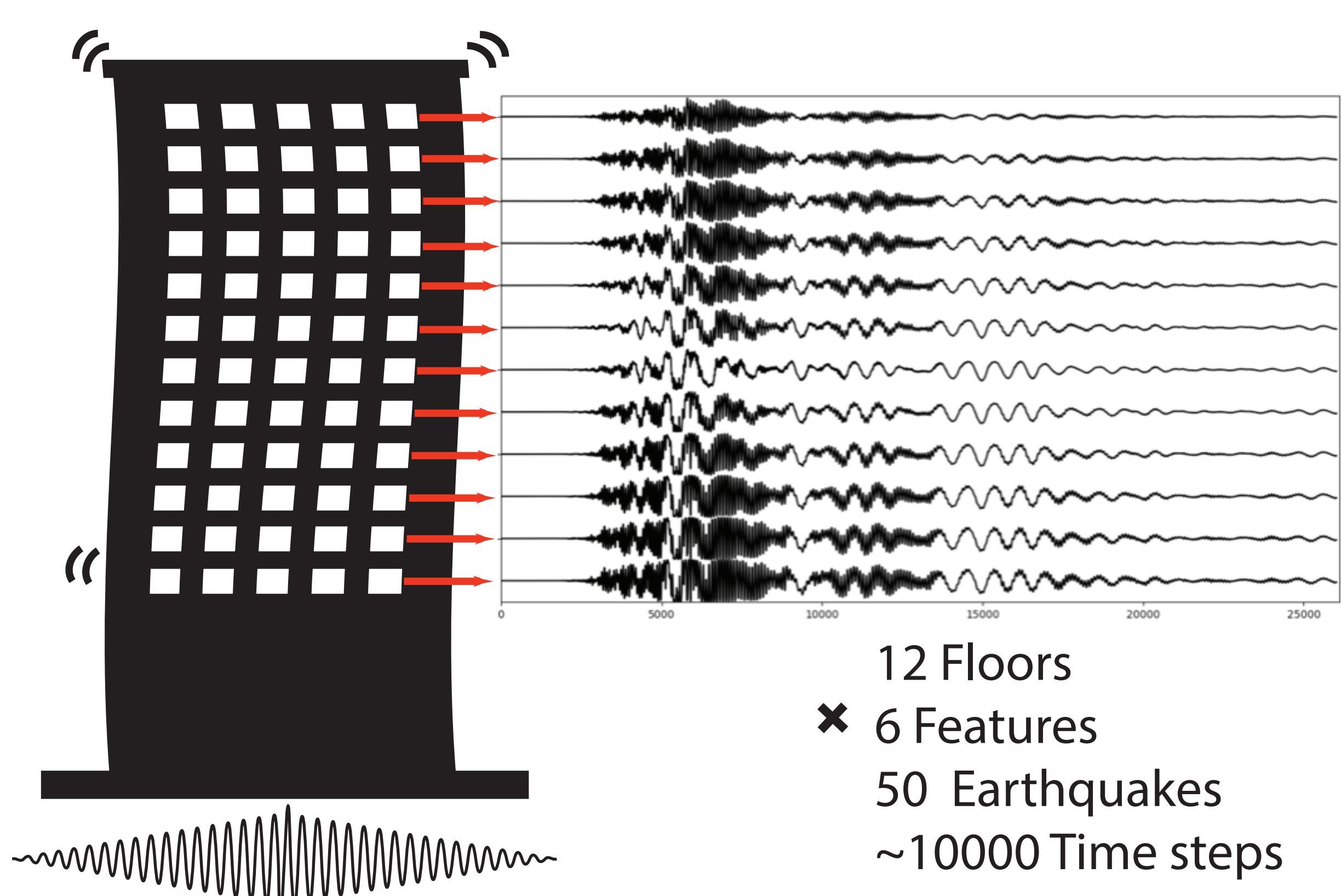
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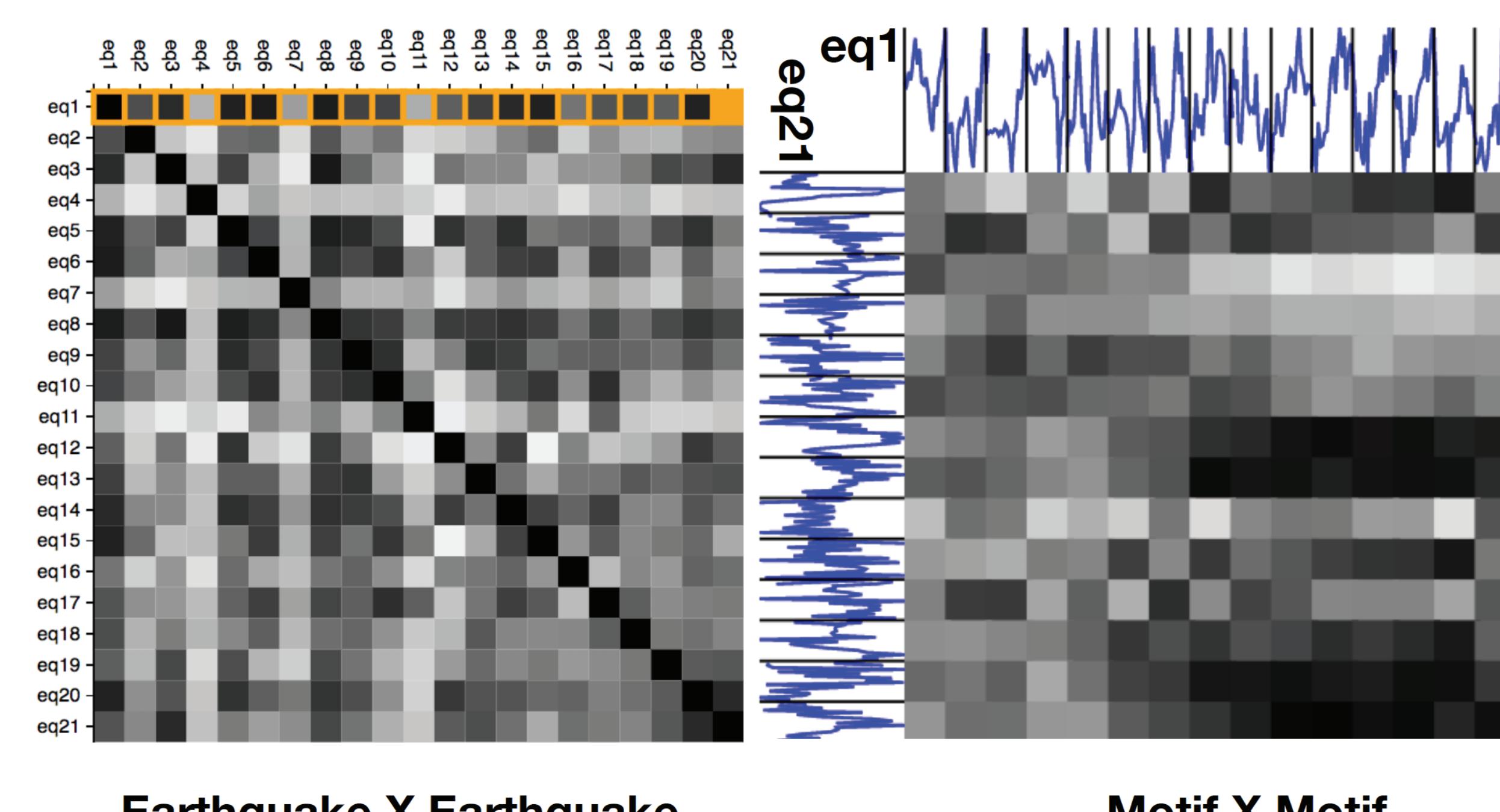
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## Dataset

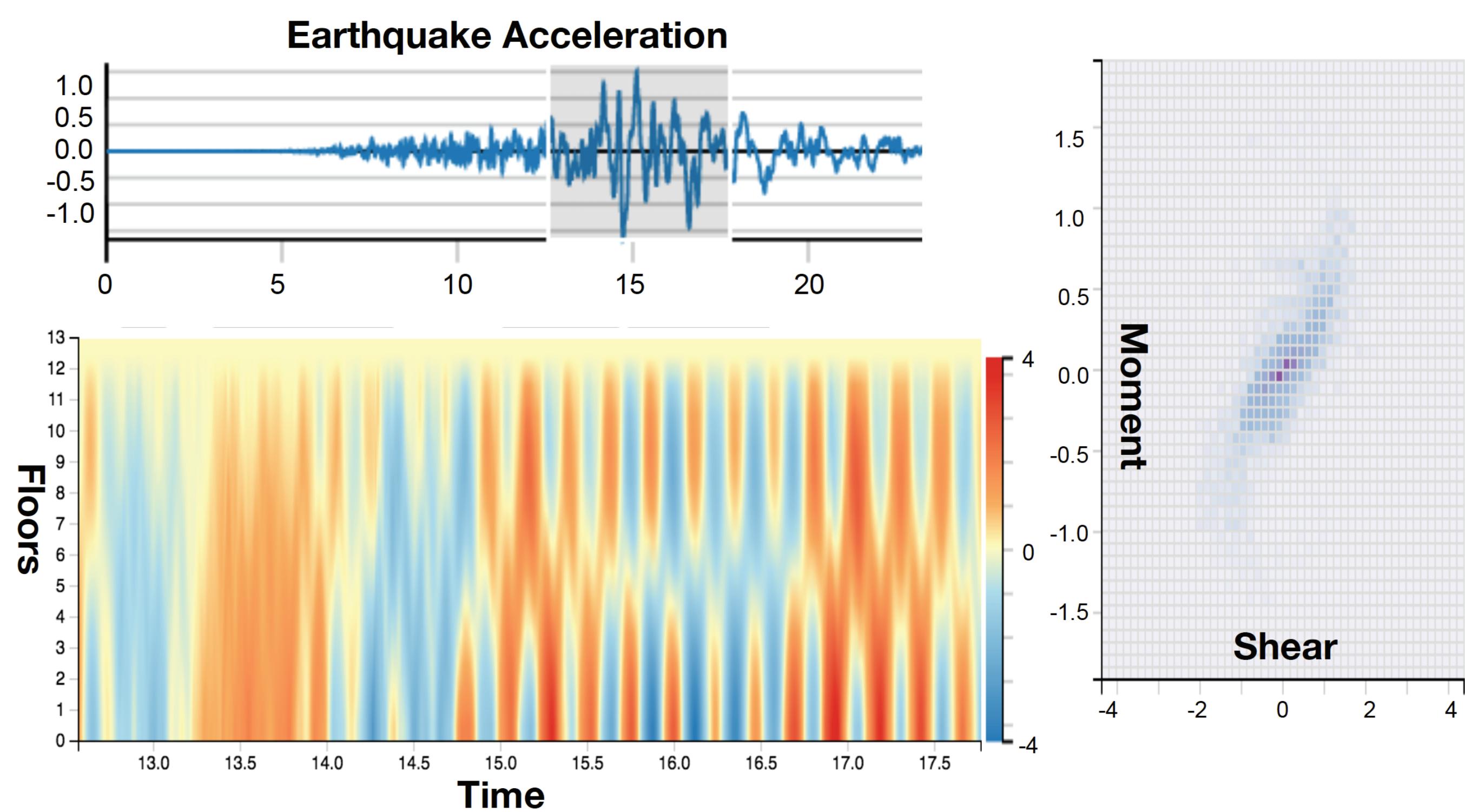


## Partial views are insufficient!



Earthquake X Earthquake

Motif X Motif



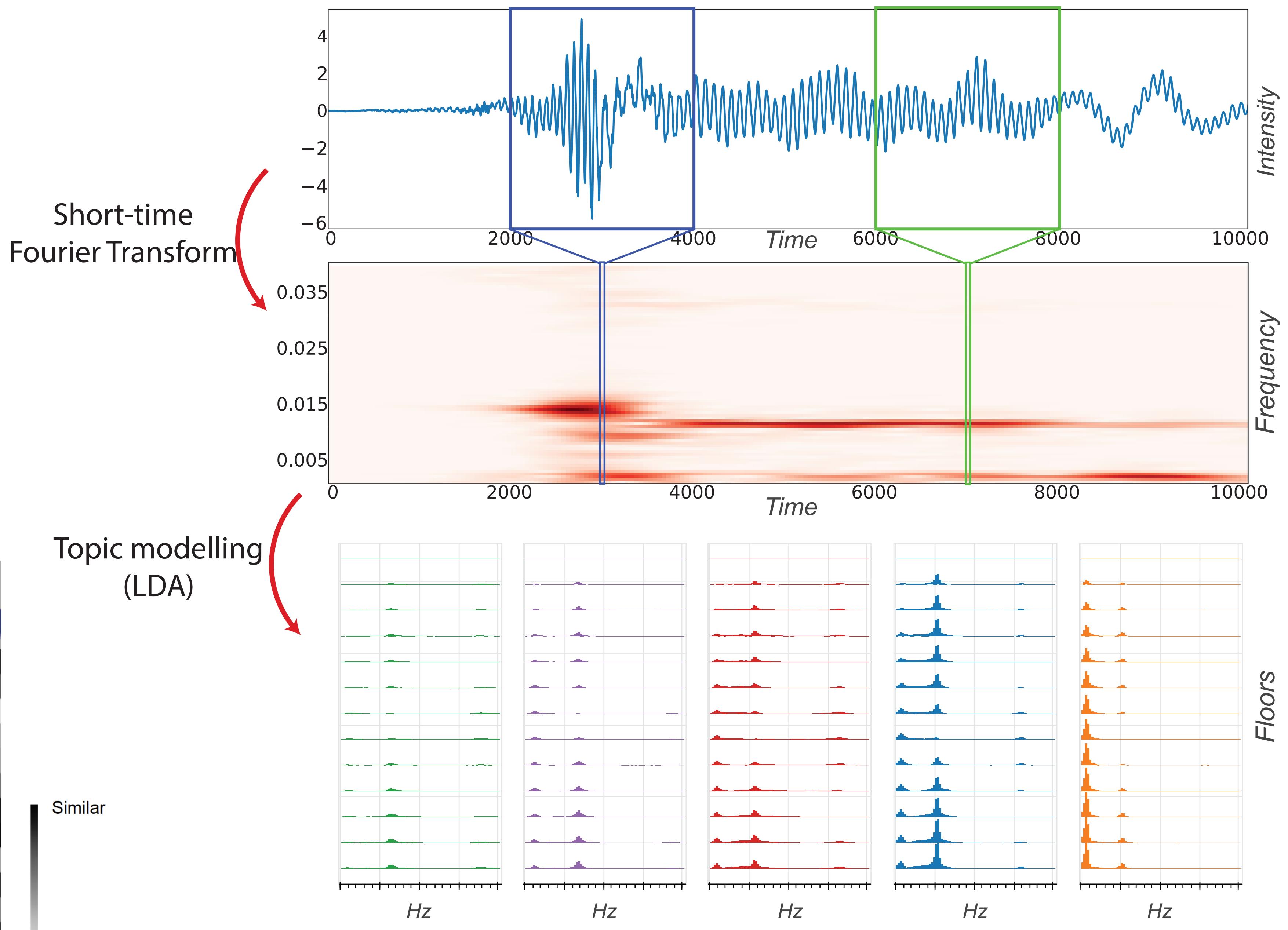
## References

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

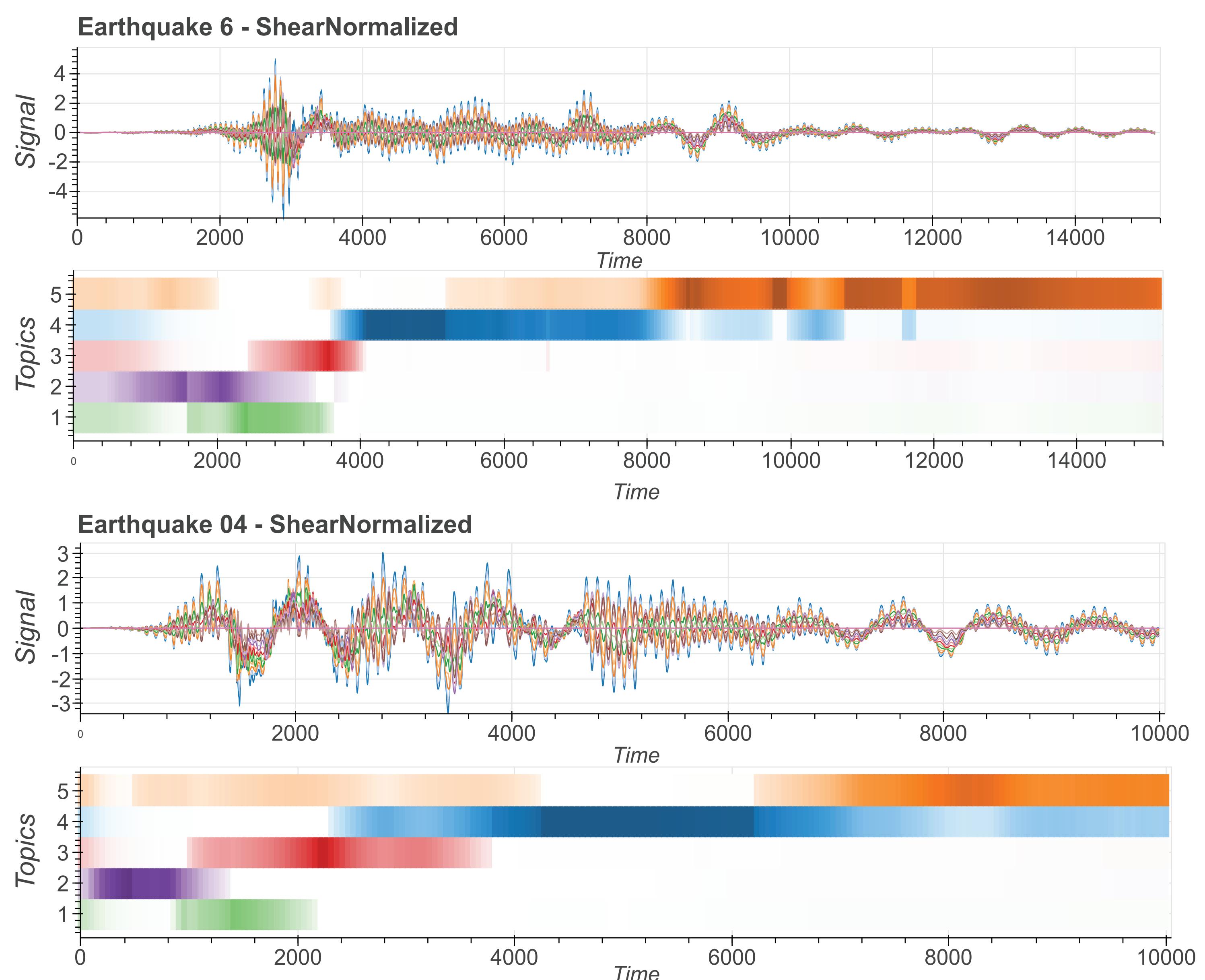
## Time-varying multi-signal topic patterns

Our methodology applies topic modelling to the context of signal analysis where: words are frequencies and documents are multi-signal segments.

## Methodology



## Comprehensive View



## Ongoing Work

Dealing with scale, topic-based interactive queries, topic-mixture clustering.