APA

citation for our datasets :

* Waldhauser, F. and D.P. Schaff, Large-scale relocation of two decades of Northern California seismicity using cross-correlation and double-difference methods, J. Geophys. Res.,113, B08311, [doi:10.1029/2007JB005479, 2008](http://dx.doi.org/10.1029/2007JB005479).
* Waldhauser, F., Near-real-time double-difference event location using long-term seismic archives, with application to Northern California, Bull. Seism. Soc. Am., 99, 2736-2848, [doi:10.1785/0120080294, 2009](http://dx.doi.org/10.1785/0120080294).

Papers that uses our dataset:

* A Comparison of Bayesian Hierarchical Space-Time Models for Earthquake Data By Bent NATVIG and Ingunn Fride TVETE, <http://webdoc.sub.gwdg.de/ebook/serien/e/uio_statistical_rr/07-04.pdf>
  + The focus of this paper is: how large the maximal earthquake for a given time period and grid cell going
* Gordon J. Ross; Bayesian Estimation of the ETAS Model for Earthquake Occurrences. *Bulletin of the Seismological Society of America* 2021;; 111 (3): 1473–1480. doi: <https://doi.org/10.1785/0120200198>
  + This uses our dataset, and uses ETAS model to do prediction.

Literatures:

An efficient EM algorithm for the mixture of negative binomial models

**Huang, C., Lin, J., Wen, Y., & Zhang, R. (2019).** An efficient EM algorithm for the mixture of negative binomial models. ResearchGate. <https://www.researchgate.net/publication/336545655_An_efficient_EM_algorithm_for_the_mixture_of_negative_binomial_models>

# Bayesian Hierarchical Space–time Modeling of Earthquake Data

<https://link.springer.com/article/10.1007/s11009-006-9008-0?utm_source=chatgpt.com>

**Natvig, B., & Tvete, I. F. (2007).** Bayesian hierarchical space–time modeling of earthquake data. Methodology and Computing in Applied Probability, 9(2), 275–292. <https://doi.org/10.1007/s11009-006-9008-0>