

From: **Spectral Matching in Time Domain: A Seismological and Engineering Analysis**

Bulletin of the Seismological Society of America. 2018;108(4):1972-1994. doi:10.1785/0120170396

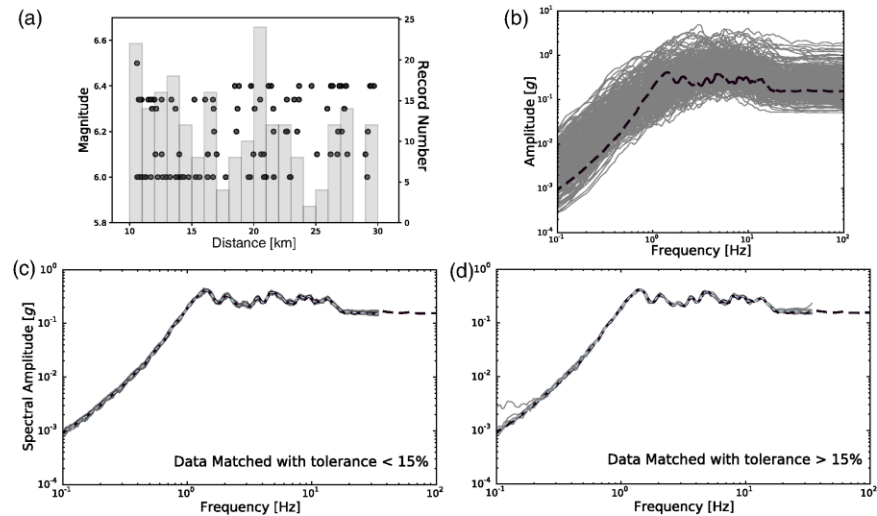


Figure Legend:

(a) Magnitude–distance scatter plot (gray dots) overlapped with the histogram of the distance (gray bars). (b) A total of 226 response spectra (gray lines), the black dashed line is a randomly selected spectrum used as target for illustrative purposes. (c) Response spectra matched within 15% tolerance (black lines), the black dashed line is the target plotted. (d) Response spectra with a misfit greater than 15% tolerance. The color version of this figure is available only in the electronic edition.