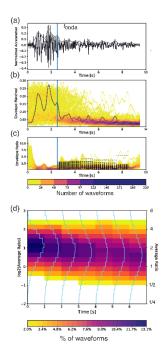


## From: Spectral Matching in Time Domain: A Seismological and Engineering Analysis

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



## Figure Legend:

(a) Example of a target accelerogram (black line), the envelope is traced as a continuous line and the vertical line is the time when the coda starts. (b) The envelope of the target accelerogram is plotted as a solid line and the envelopes of the accelerograms, matched to this time history, are plotted as the density of points. (c) Ratio between the matched and the target envelopes plotted with the same palette of (b), the horizontal dashed lines are the ratios averaged over nonoverlapping time windows with a duration of 1 s. (d) Two-dimensional histogram of the envelope ratio values computed for all matched–target data pairs (50,850); the palette indicates the percentage of pairs in each cell. For the sake of clarity, the plot neglects the cell with less than 2% of the data. The 1D histograms are computed in each time window of 1 s and are plotted. The bins' height is related to the background tone, the