

Interactive comment on “Site effect classification based on microtremor data analysis using concentration–area fractal model” by A. Adib et al.

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Thank you for an interesting and valuable contribution that deserves publication. Even so, I have a serious concern, reservation: based on the histogram of amplification's and k -g's values in the figure 4, is there really a justification for grouping all these data into one data set?

It seems rather obvious that there are likely to be multiple populations, presumably related to geology, e.g. lithology. Certainly from my point of view I would expect that anyone looking at this data would consider at least the relationship between lithology and multiple domains for different frequencies' populations? This should be discussed through the contents of the paper!

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With respect to the Fig.5 of histograms, more statistical analysis should be conducted however; the lack of adequate information is feeling!

According Fig.1, there are too many information on the Map of Iran which makes it overcrowded! The authors are highly recommended to replace this map with a readable one.

Interactive comment on Nonlin. Processes Geophys. Discuss., 1, 1133, 2014.

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