

## ***Interactive comment on “Shape and dimension estimations of landslide rupture zones via correlations of characteristic parameters” by Gisela Domej et al.***

### **Anonymous Referee #1**

Received and published: 24 September 2019

please, see all comments in pdf file. Most problems are related to the fact that this is not a stand-alone paper but extensively refers to works published by +- the same authors in previous papers. Here, the whole procedure of inventory analysis needs to be outlined. The reader must not be forced to look for it in another paper. And, the authors do not sufficiently highlight the fact that they did not directly map landslides but took examples from published papers - which is not a problem per se, but it needs to be said. Also, some regressions could be revised, some non-linear regressions could be tested as well (for those log-log diagrams). The authors should more highlight the specificity of their work, as at first view very similar analyses have been published by other authors; but, here, the authors focused on the rupture zone - while most previous

C1

papers do not necessarily distinguish the area associated with the rupture zone or with the whole landslide. Comparisons with those previous results highlighting scale invariance phenomena need to be completed.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2019-240/nhess-2019-240-RC1-supplement.pdf>

---

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-240>, 2019.

C2