**Natural Hazards
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Discussions

Interactive comment on "Brief Communication: Landslides triggered by the $M_\mathrm{s} = 7.0$ Lushan earthquake, China" *by* X. L. Chen et al.

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Dear Dr. Qi,

We deeply thank you for your careful reading and the encouraging general comments provided on the paper. Your opinions and suggestions will undoubtedly improve the quality of the paper.

The following is the reply and you will find an updated draft of the manuscript as supplement PDF.

(1) Slope angle is generated from DEM with resolution 90m*90m, and landslides were mapped as points which representing the failure sources near the top scarps. (2) "Q"

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Interactive Discussion

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and "E" always are soft and with gentle slope in this region, but they are presented near the epicenter and landslides frequently occurred. LPD is defined as the number of landslides per square kilometer, it is a ratio value. In this study area, there are not many landslides occurring in "Q" system, however, the LPD is higher because the area of "Q" is small. (3) Section of 4.2 "Criterions" should be "Criteria". (4) Although some researches show that the landslide size has little influence on the distribution characteristics (Qi et al, 2012), sometimes landslide inventory can seriously influence statistics results especially when calculating LPD value.

Best regards

Xiaoli Chen

Please also note the supplement to this comment:
http://www.nat-hazards-earth-syst-sci-discuss.net/1/C1960/2013/nhessd-1-C1960-2013-supplement.pdf

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 3891, 2013.