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Interactive comment

Interactive comment on "A review and evaluation of the methodology for digitising 2D fracture networks and topographic lineaments in GIS" by Romesh Palamakumbura et al.

Romesh Palamakumbura et al.

romesh@bgs.ac.uk

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Dear reviewer 1, thank you for your time and effort in reviewing our manuscript in open discussion for publication with solid earth. As you accurately pointed out the paper is aimed at a broad range practitioners, beyond the realms of structural geology, particularly as open access GIS software because more accessible. Below we address your various comments regarding clarifying the manuscript. 1) The paper is slanted towards the applied geoscience communities particularly engineering geology community, and focuses on the data collection methodology rather than the sample selection challengers. This is because such challengers relating to sample selection would be

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and con's sections, with digital method allowing the user to select outcrops for analysis

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using the more quantitave GSI table suggested by Sönmez and Ulusay. 27) Line 361:

We agree with this statement, as we haven't discussed the use of this method at the microscale, we would clarify this statement that the method can be used at the local outcrop and regional DEM scales. 28) Line 366–368: This sentence needs clarifying as we are not stating this method is more accurate than the hand-drawn method, this comparison is discussed earlier particularly in the Andrews et al. (2019) paper but is viable alternative when field time is limited. 29) Finally, a thorough check to make sure the references in the text are mention in the comments will be made.

Interactive comment on Solid Earth Discuss., https://doi.org/10.5194/se-2019-184, 2019.

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