

Earth Surf. Dynam. Discuss., referee comment RC3
<https://doi.org/10.5194/esurf-2022-23-RC3>, 2022
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Comment on esurf-2022-23

Anonymous Referee #3

Referee comment on "Development of a machine learning model for river bedload" by
Hossein Hosseiny et al., Earth Surf. Dynam. Discuss.,
<https://doi.org/10.5194/esurf-2022-23-RC3>, 2022

The authors use an ANN to derive a nonlinear relationship between several river hydraulic variables and sediment transport rate. This machine learning technique and many others have been extensively tested in the last twenty years in many similar studies that the authors overlooked. Thus, I do not think that this study adds something new to the existing literature and I suggest rejection of the paper.