

## ***Interactive comment on “Landslide susceptibility mapping of Cekmece area (Istanbul, Turkey) by conditional probability” by T. Y. Duman et al.***

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During the interactive open discussion process of our manuscript, we received 2 reviewer comments and 3 editorial comments. Considering the reviewer comments, manuscript was revised and two author replies were written and uploaded to the system. Revisions requested by the reviewers were considered.

An interactive discussion between the authors and the editor, Dr. J. Siebert was carried out on suitability of the landslide susceptibility assessment method employed. In the first version of our manuscript, as the authors, we preferred the conditional probability method. However, Dr. J. Siebert claimed that this method is not suitable such this type analysis. In literature, many methods exist to assess regional landslide susceptibility. For this reason, we changed the susceptibility analysis method. In the last version of the study, we analyzed the landslide susceptibility by logistic regression approach. We

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hope that the problem described by Dr. J. Siebert is solved by changing the analysis method, because the logistic regression is one of the most suitable methods to assess regional landslide susceptibility. We want to emphasised that there is no major difference between the results of conditional probability and logistic regression.

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