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Death to Kappa: birth of quantity disagreement and allocation disagreement for accuracy assessment

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Abstract

The family of Kappa indices of agreement claim to compare a map's observed classification accuracy relative to the expected accuracy of baseline maps that can have two types of randomness: (1) random distribution of the quantity of each category and (2) random spatial allocation of the categories. Use of the Kappa indices has become .... xamines five diffe ..... in 2000. We expose t ...... s graphica ..... d the often-igno ..... ation matrix ..... ing and/or flawed fo ..... fter more than a d ..... ssion abandon the use of Kappa indices for purposes of accuracy assessment and map

comparison, and instead summarize the cross-tabulation matrix with two much simpler summary parameters: quantity disagreement and allocation disagreement. This article shows how to compute these two parameters using examples taken from peer-reviewed literature.

Acknowledgements

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