

Explanatory for corrections

1. Title correction

Requested correction:

Original title: Long-term InSAR and streamflow recession analysis reveal accelerated permafrost degradation in the mining area of Qilian Mountain

Corrected title: Long-term InSAR and streamflow recession analysis reveal accelerated permafrost degradation in the mining area of the Qilian Mountains

Reason: The manuscript text has been unified to use "Qilian Mountains" when referring to this mountain range. Therefore, the title should also use "the Qilian Mountains" for consistency with the manuscript and with the proper geographical name.

2. Correction to Eq. (5)

We mistakenly included an extra minus sign before the summation term in the Geodetector q -statistic formula. The correction simply removes this extra minus sign and restores the correct formula.

The equation should be typeset as:

$$q(Y|X) = 1 - \frac{\sum_{h=1}^L N_h \sigma_h^2}{N \sigma^2}$$

This correction does not change the method, data, results, or conclusions.

3. Correction to the explanation of Eq. (5)

The explanatory text also contains a wording mistake made by us. The phrase “ N_h and σ_h^2 are the number of spatial units and the variance of σ_h^2 within stratum h ” is incorrect. σ_h^2 should denote the variance of Y within stratum h . Therefore, we need to change “the variance of σ_h^2 within stratum h ” to “the variance of Y within stratum h ”. This correction only fixes the definition of the notation and does not change the analysis, results, or conclusions.