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Temporal Modulation of Nepalese Seismicity : Seismicity rate and b-value

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Nepal's seismicity has been shown to display a seasonality in its temporal distribution, associated with the yearly coming and going of the monsoon. We here investigate the seasonal nature of the East and Central seismicity between 1994 and 2014 using several declustering techniques and highlight the sensitivity of results to declustering techniques. We also probe the slope of the magnitude-frequency distribution (b-value) and showcase its annual variations and sensitivity to sources of biases.

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