Correction to: Vulnerability assessment through index modeling: a case study in Muriganga–Saptamukhi estuarine interfluve, Sundarban, India

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Published online: 20 April 2018
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Correction to: Arabian Journal of Geosciences

<https://doi.org/10.1007/s12517-017-3197-4>

In the initial online publication of this article the functional relationship between vulnerability and recovery day has been typed as “inverse” in the Table 1 column four and row thirteen which should be replaced as “direct” because more recovery day shows lack of proper adaptive capacity and therefore it is positively related with misery and sufferings and vice – versa. Given in this article is the correct table.

The online version of the original article can be found at <https://doi.org/10.1007/s12517-017-3197-4>

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Table 1 Database under exposure, susceptibility, and resilience classes along with functional relation with vulnerability for the assessment of composite vulnerability

Composite vulnerability index	Components	Selected parameters with abbreviation	Relation with vulnerability	Functionality	Data source
Indicator of hydrogeomorphic vulnerability	Geomorphological	Height in meters (H)	Inverse	Exposure	Local spot height from toposheets 1967–1969 and digital elevation model from SRTM
		Slope in degree (S)	Inverse	Exposure	Global land cover facility
		Percent of sandy property in soil (SS)	Direct	Exposure	SRTM Global land cover facility
		Length of exposed shoreline (ES)	Direct	Exposure	Laboratory test from different sample sites
	Hydrological	Average embankment angle (EA)	Direct	Exposure	Satellite image 2014 and field survey 2013–2015
		Near-bank water depth in meters (NBD)	Direct	Exposure	Field survey 2013–2015
		Tidal range (TR)	Direct	Exposure	Kolkata Port Trust, Marine Department 2013
		Surge height (SH)	Direct	Exposure	PSMSL data and field survey 2013–2015
			Direct	Exposure	Field survey, perception study 2013–2015, and literature study
			Direct	Susceptibility	Census of India 2011
Indicator of socio-economic vulnerability	Social	Population growth (PG)	Direct	Susceptibility	Census of India 2011
		Population density (PD)	Direct	Susceptibility	Census of India 2011
		Household density (HD)	Direct	Susceptibility	Census of India 2011
		Percentage of agricultural land to total mouza area (AL)	Direct	Susceptibility	Census of India 2011
	Economic	Recovery day (RD)	Direct	Resilience	Field survey, perception study 2013–2015
		Number of school (SC)	Inverse	Resilience	Census 2001 and field observation
		Literacy rate (LR)	Inverse	Resilience	Census data 2001 to 2011
		Number of storm and monitoring shelter (SS)	Inverse	Resilience	District Disaster Management Plan, South 24 Parganas 2012, 2013
		Metal road density (MR)	Inverse	Resilience	IRS P6 LISS IV satellite image 2014, Census of India 2011, and http://msmewb.org/dist_map/south_24_pgs_district.pdf
		Approach to village (AV)	Inverse	Resilience	Census 2001, 2011 and field perception
Indicator of infrastructural, amenities and adaptive capacity related vulnerability	Governance, socio-economic and infrastructural	Embankment height (EH)	Inverse	Resilience	field survey 2013–2015
		Base width of embankment (BW)	Inverse	Resilience	field survey 2013–2015
		Percentage of marginal forest cover area (MFA)	Inverse	Resilience	IRS P6 LISS IV Satellite image 2014
			Inverse	Resilience	