# CORRECTION Open Access

# Correction to: Assessment of urban sprawl effects on regional climate change using a hybrid model of factor analysis and analytical network process in the Mashhad city, Iran

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Following publication of the original article (Mansouri Daneshvar et al. 2019), the corrected text with the reference citations are given below:

In Introduction, last paragraph, the first sentence should read, "The present paper aims to indicate an integrated procedure of factor analysis and analytical network process named as F'ANP model (established by Zebardast 2013)."

In "Urban sprawl modeling" section, the sentence should read, "The present study generates an urban sprawl modeling for 3 years based on geospatial data and statistical hybrid procedure of factor analysis and analytical network process (F'ANP) (Zebardast 2013)".

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### References

Mansouri Daneshvar MR, Rabbani G, Shirvani S (2019) Assessment of urban sprawl effects on regional climate change using a hybrid model of factor analysis and analytical network process in the Mashhad city, Iran. Environ Syst Res 8:23. https://doi.org/10.1186/s40068-019-0152-2

Zebardast E (2013) Constructing a social vulnerability index to earthquake hazards using a hybrid factor analysis and analytic network process (F'ANP) model. Nat Hazards 65(3): 1331–1359.https://doi.org/10.1007/s11069-012-0412-1

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