

Accepted Manuscript

Title: An asymptotic theory for cross-correlation between auto-correlated sequences and its application on neuroimaging data

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PII: S0165-0270(18)30112-2
DOI: <https://doi.org/doi:10.1016/j.jneumeth.2018.04.009>
Reference: NSM 7984

To appear in: *Journal of Neuroscience Methods*

Received date: 12-1-2018
Revised date: 24-3-2018
Accepted date: 13-4-2018

Please cite this article as: Yunyi Zhou, Chenyang Tao, Wenlian Lu, Jianfeng Feng, An asymptotic theory for cross-correlation between auto-correlated sequences and its application on neuroimaging data, *Journal of Neuroscience Methods* (2018), <https://doi.org/10.1016/j.jneumeth.2018.04.009>

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- We propose a widely applicable approach for correcting temporal auto-correlation of time series on functional connectivity.
- Both theoretical proofs and numerical experiments are provided to validate the method.
- This approach is applied to different real datasets to prove its applicability.

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