

Time Series Analysis of Arctic Sea Ice

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Abstract

TODO: Abstract

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1 Introduction

TODO: Intro

2 Methods

Here we can talk about dimensionality reduction for LFP signals and the proposed methods of SPCA and GDPCA. Here we can introduce that we are comparing SPCA vs different lags of GDPCA.

2.1 SPCA

- Breif description of SPCA and reference to paper
- Factors of SPCA with LFP superimposed

2.2 GDPCA

- Description of GDPCA and reference to paper
- Factors of GDPCA with LFP superimposed

3 Results

A couple of sentences to introduce our results

3.1 Log Periodograms

- Compare log periodograms pre
- Compare log periodograms post

3.2 Functional Boxplots

- Introduce functional boxplots with references to papers
- Compare functional boxplots and medians pre
- Compare functional boxplots and medians post
- Compare functional medians pre

3.3 Signal Reconstruction and MSE

- Compare reconstruction and mse pre
- Compare reconstruction and mse post

4 Conclusion

TODO: Conclusion