

Nonstationarity in a time series: A measuring tape!

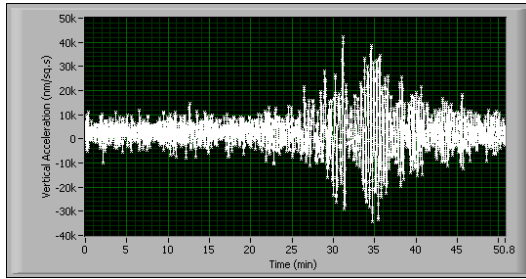
Sourav Das, School of Mathematics.

Collaborators:

1. Guy Nason, School of Mathematics.
2. Jeremy Phillips, School of Earth Sciences.

Funding: EPSRC

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Earthquake. *Image courtesy: National Instruments*

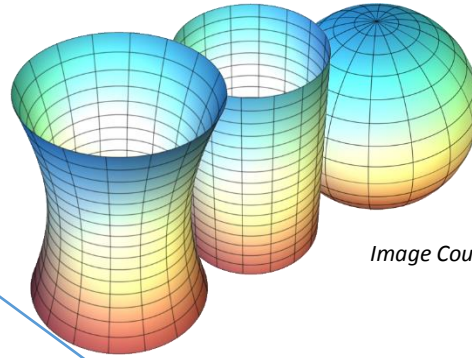
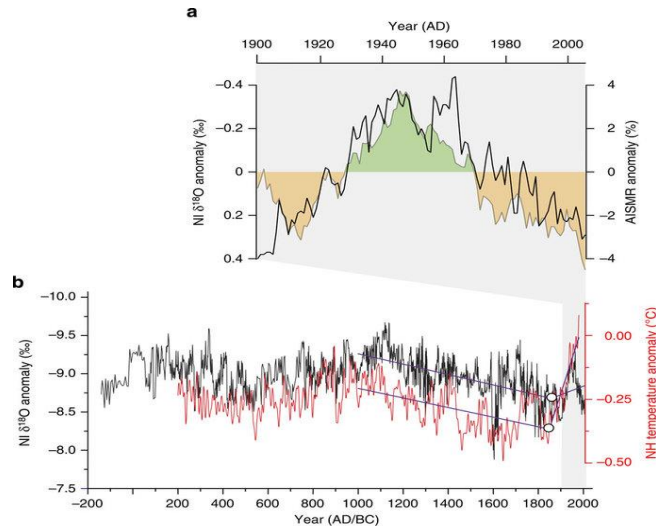
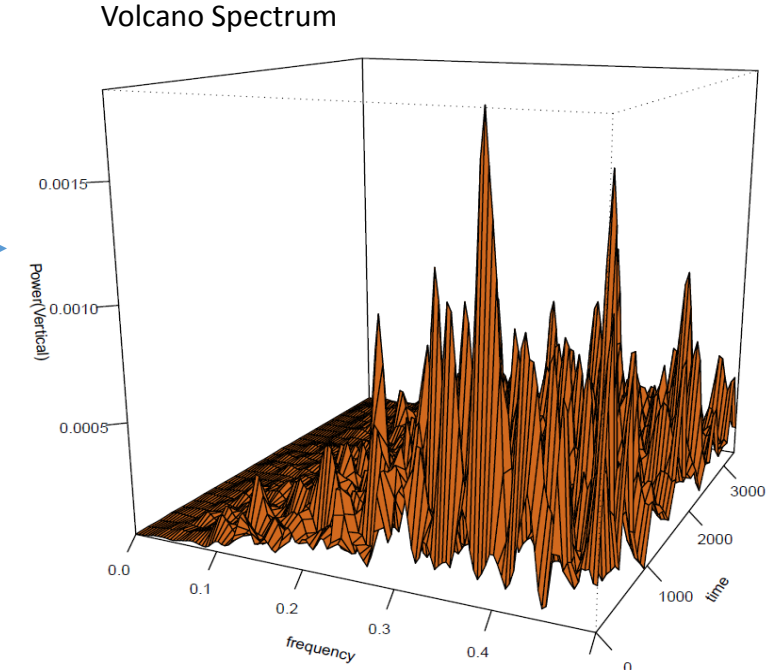


Image Courtesy: Wikipedia

$$\text{Curvature} = \int_{t_1}^{t_n} \{f''(t)\}^2 dt$$



Indian Monsoon. *Image courtesy: Nature Communications 6, doi:10.1038/ncomms7309*

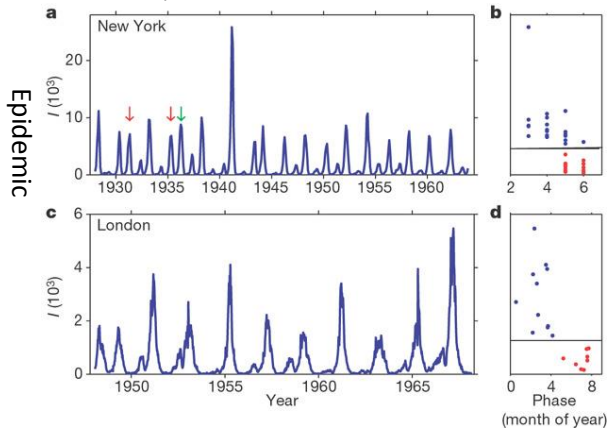
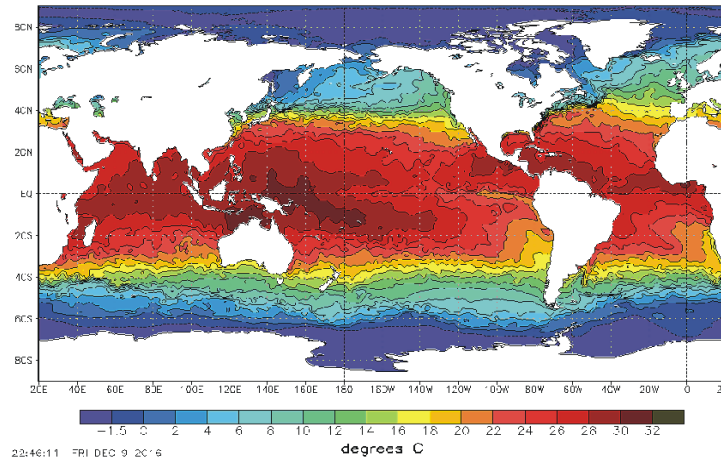


Image courtesy: Nature 446, 533-536(29 March 2007).

NOAA/NWS/NCEP/EMC Marine Modeling and Analysis Branch
RTQ_SST Analysis (0.5 deg X 0.5 deg) for 09 Dec 2016



Ocean temperature. *Image Courtesy: Climate4you*

Sourav Das, School of Mathematics