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Dear Dr Contestabile,

Please find attached, our manuscript titled “Food production shocks across land and sea”. In this primary research article, we investigate spatio-temporal trends in and drivers of sudden and unexpected losses, or ‘shocks’, to national food production time series across agricultural and seafood sectors globally from 1961-2013.

We identified shocks in publicly available crop, livestock, capture fisheries, or aquaculture production data using a pre-published statistical approach to detection, identifying breaks in the autocorrelation structure of a time series. This approach allowed us to apply a standardised methodology across data from fundamentally different systems so that we may compare the geographies and temporal trends in the frequency, size and duration of shocks to food production