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Statistics, Sunspots and Settlement: Influences on Sum of Probability Curves

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Highlights:

- We re-examine the cumulative probability distribution function (CPDF) for rath dates from early medieval Ireland.
- We employ Bayesian age-depth modelling to refine the raw data
- We compose a final CPDF based on the relation between the archaeological data and the calibration curve.
- The final graph allows us to mitigate the impact of atmospheric radiocarbon, site bias, and statistical anomalies on the human settlement signal.

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