

Determination of Confidence Interval of Annual Extremum of Temperature in the Context of Assam

**A THESIS SUBMITTED IN PARTIAL FULFILMENT
OF THE REQUIRMENT FOR THE AWARD OF THE
DEGREE OF DOCTOR OF PHILOSOPHY IN THE
DEPARTMENT OF STATISTICS
UNDER FACULTY OF SCIENCES**

By

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**Ph. D. Registration No. – Adtu / 2014 / Ph.D. / BAS / Stats / 031
2019**



DEPARTMENT OF STATISTICS

**ASSAM DOWN TOWN UNIVERSITY
PANIKHAITI, GUWAHATI – 26**

**Determination of Confidence Interval
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Temperature in the Context of Assam**

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DECLARATION

I **Rinamani Sarmah Bordoloi** declare that the Ph.D. research work entitled “**Determination of Confidence Interval of Annual Extremum of Temperature in the Context of Assam**” has been completed by me under the supervision of **Dr. Manash Pratim Kashyap, Associate Professor, Assam down town University** and **Dr. Dhritikesh Chakrabarty, Associate Professor, Department of Statistics, Handique Girls’ College and Ph. D. Guide, Assam down town University**. The research work undertaken by me at the Assam down town University is genuine and original. Ethical clearance from the University Ethics Committee, AdtU, has been obtained for undertaking the research work. The process involving submission of progress reports, presentations in FRC and URC were completed in accordance to the University Regulations. With permission from the URC, the research work has been documented in this thesis. The manuscript of the thesis has been passed through plagiarism check system and the similarity index is found to be 6%, which is well within permissible limit.

The contribution of the Indian Meteorological centre at Guwahati (Borjhar) to this research work involved is clearly acknowledged.

For the present thesis, which I am submitting to the University, no degree or diploma or distinction has been conferred on me before, from any other University or institutions.



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