



**Department of Statistics  
Assam University :: Silchar**

**Report of the third lecture of the Department's Online Lecture Series**

The Department of Statistics, Assam University, Silchar organized the third lecture of the Department's Online Lecture Series on 22<sup>nd</sup> May, 2021. The resource person of the lecture was Dr. Yehenew G. Kifle, Assistant Professor, University of Maryland Baltimore County (UMBC), USA and the theme of the Third Online Lecture Series 2021 was on **“Comparison of local powers of some exact tests for a common normal mean with unequal variances”**. The advertisement flyer of the lecture series is provided below:

The flyer has a light blue background with a grid pattern and colorful geometric shapes. At the top, it reads 'Department of Statistics Assam University :: Silchar'. Below that, it says 'Third Lecture of our Online Lecture Series on the theme "Comparison of local powers of some exact tests for a common normal mean with unequal variances"'. In the center is a photo of Dr. Yehenew G. Kifle speaking into a microphone. Below the photo, it identifies him as 'SPEAKER DR YEHENEW G. KIFLE University of Maryland Baltimore County (UMBC), USA'. At the bottom left, it shows the date 'May 22, 2021' and time '6:30 PM'. At the bottom right, it provides the 'Meeting Link' as 'meet.google.com/nah-impz-cdw'.

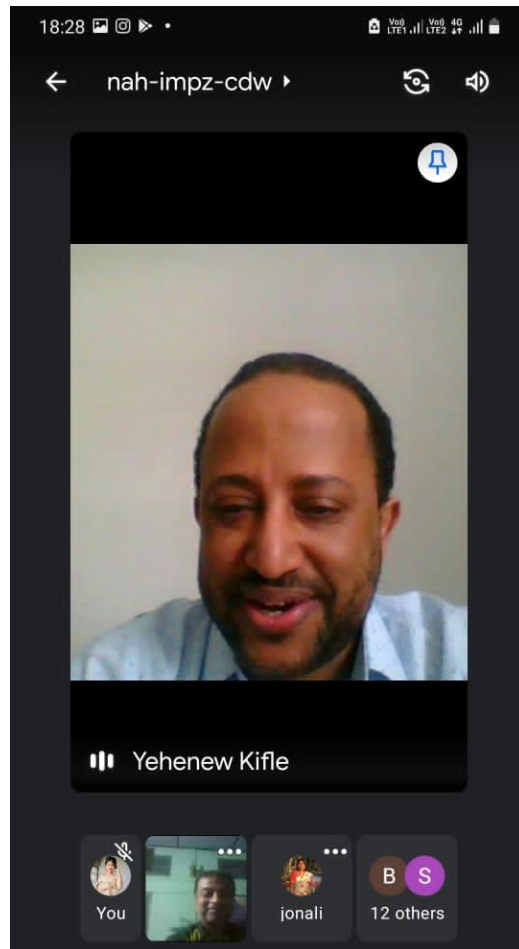
The Event was conducted online in Google Meet. The web link of the event was <https://meet.google.com/nah-impz-cdw> at 6:30 PM on 22<sup>nd</sup> May, 2021.

The event started at 6.30 PM with Dr. Rama Shanker, Head & Associate Professor, Department of Statistics, Assam University, Silchar. The HoD, welcome the resource person of the lecture series, Vice Chancellor of the University, Prof. Bimal Sinha of UMBC, all international attendees, faculty members of the department, research scholars and alumni, students and several other participants from other Indian University/institutes. The introductory speech was delivered by Honourable Vice Chancellor of the University, Prof. Dilip Chandra Nath, in which he expressed his pleasure that the speaker Dr. Kifle agreed to deliver his talk and also thanked the department for organizing such events one after the other. He also touched why the issue of common mean is an important problem related to inference.

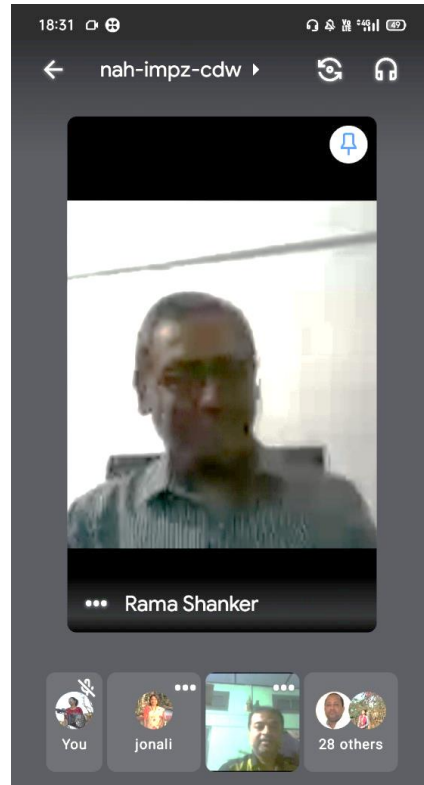
At about 6:50 PM Dr. Yehenew G. Kifle started his lecture. During his lecture Dr. Kifle explained clearly what meta-analysis is and dealt with some special kind of statistical meta-analytic problems. He introduced the common mean problem and explained its significance in meta-analysis. The main contribution on this talk was on critically examining six exact tests viz. Tippett test, Wilkinson test, Inverse Normal test, Fisher test, modified t-test, modified F-test for the common mean by comparing their local powers. Following his lecture several questions were raised by the participants which was replied by Dr. Kifle. His explanation in some cases were extended by Prof. Bimal K. Sinha with relevant examples.

There were 53 participants in the lecture. Seven of whom were from foreign land.

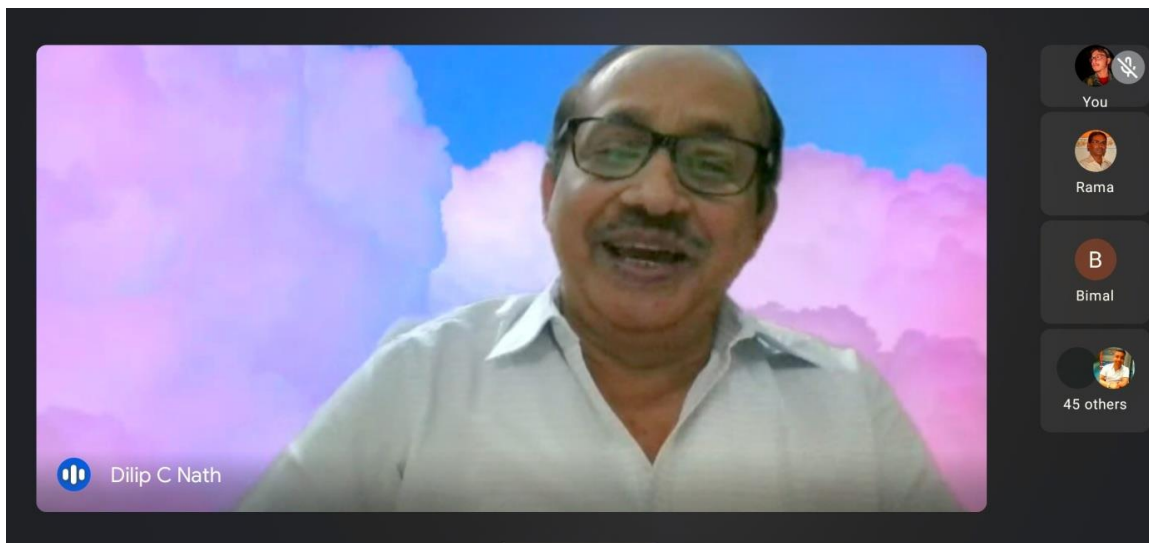
Some screenshot of the event are provided below-



Screenshot 1: Dr. Kifle presenting his talk



Screenshot 2: Dr Rama Shanker, HoD Statistics, delivering the welcome address



Screenshot 3: Prof. Dilip C. Nath, Vice Chancellor of Assam University, delivering the introductory speech

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