



## Report on

### Research Methodology and Biostatistics Workshop

#### Organized by:

Department of Epidemiology

The Tamil Nadu Dr.M.G.R. Medical University

A series of one-day online workshops has been organised for third-year Part I undergraduate medical students affiliated with The Tamil Nadu Dr. M.G.R. Medical University. These workshops are scheduled from March 1, 2024, through September 20, 2024.

On March 15, 2024, students from five medical colleges participated in the online workshop. These colleges include SRM Medical College, Trichy, Velammal Medical College, ESIC Medical College, Coimbatore, PSG Medical College, and Panimalar Medical College, Chennai. The sessions were conducted in the lecture halls of their respective college premises, utilizing LCD screens for PowerPoint presentations. Each institution appointed a nodal coordinator from the community medicine department to oversee the workshop.

The workshop adhered to a well-structured

schedule, commencing with the presentation of a QR code for a pre-test on Research Methodology and Biostatistics. Following this, a series of lectures were delivered, accompanied by interactive sessions to encourage active participation and deepen participants' comprehension. As the lecture series drew to a close, a QR code for a post-test and feedback was shared, enabling attendees to further assess their understanding and provide valuable input. Approximately 714 undergraduate students benefited from this workshop.

#### The key topics covered are:

1. Research Ideas /Questions & Objectives
2. Searching and Organizing Literature
3. Research Designs
4. Basic Bio-Statistics in Health Research
5. Research protocol

The workshop featured distinguished experts from prestigious institutions including **All India Institute of Medical Sciences, Nagpur, National Institute of Epidemiology, Meenakshi**

**Ammal Dental College, Sri Ramakrishna Dental College, and an Independent Public Health Consultant.**

**PSG Medical College ,Coimbatore**



**Panimalar Medical College,Chennai**



**Velammal Medical College, Madurai**



**ESIC Medical College, Coimbatore**



**SRM Medical College,Trichy**



## Comparison scores of Pre Test & Post Test:

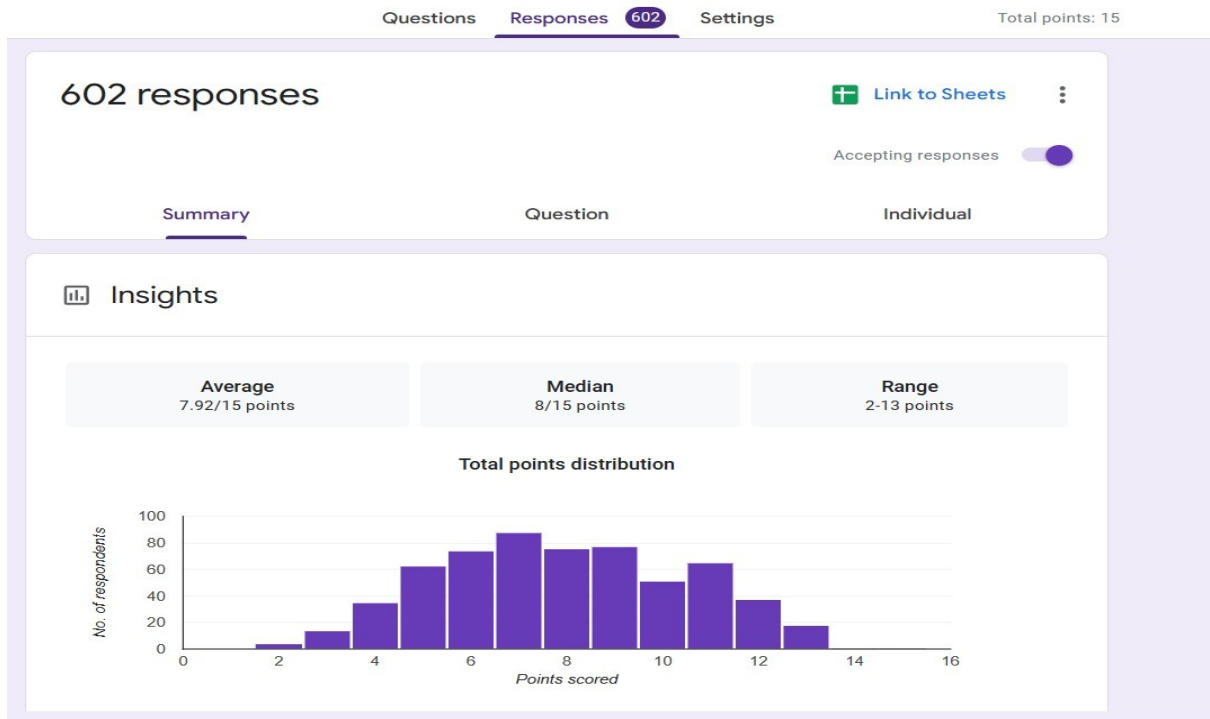


Figure 1-Pretest Score

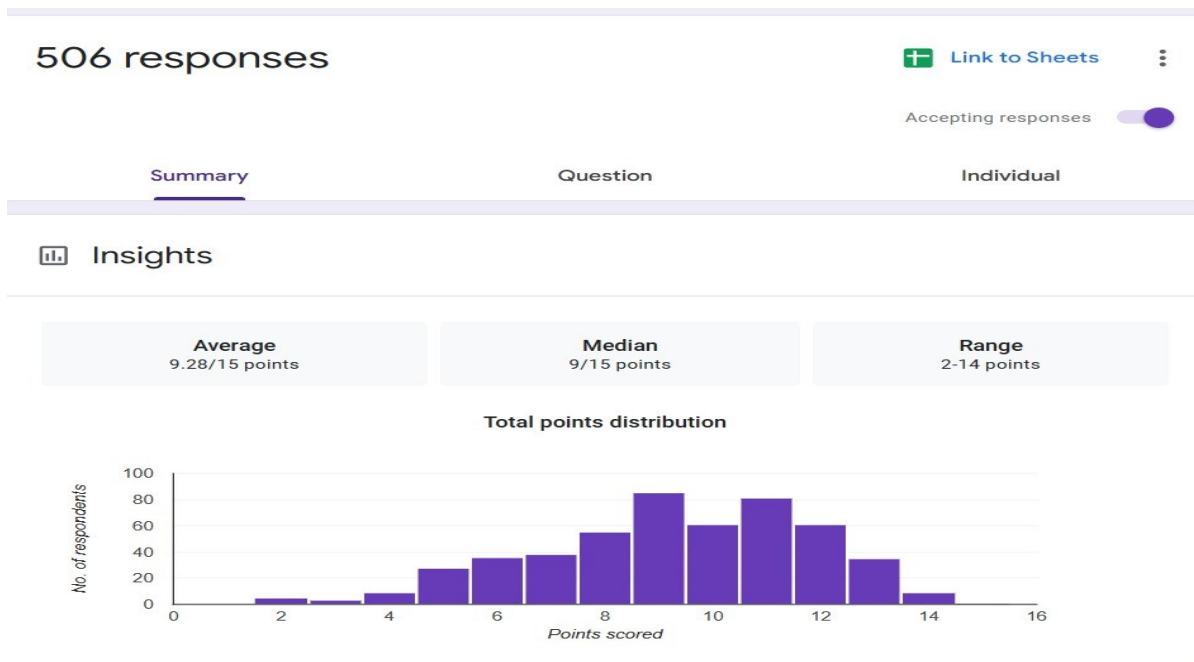


Figure 2-Post Test Score

### **Over all Feedback from the Colleges :**

The meticulously planned program proved highly beneficial for third-year MBBS Part-I undergraduate medical students. Dr. G. Srinivas' introductory session set a captivating tone, laying a strong groundwork for the subsequent modules.

I am grateful for the comprehensive coverage of a diverse range of topics, from Dr. T.S Guga Priya's discussion on "Research Ideas/Questions & Objectives" to Dr. Ganesh Kumar's insights into "Research Designs," and the engaging dialogue led by Dr. Shyam on "Basic Bio-Statistics in Health Research." Ms. Hemapriya's interactive session on "Searching and Organizing Literature" was particularly illuminating and informative.

Dr. Ilavenil's thorough examination of "Research Protocol" and Dr. Jasmine S. Sundar's effective "Post Test & Feedback" session were pivotal in reinforcing our understanding from the day.

Overall, the workshop has equipped us with invaluable insights and practical skills crucial for our academic and research pursuits. I am confident that the knowledge acquired will significantly enhance our future endeavors.