

**ONLINE TRAINING WORKSHOP ON BIostatISTICS**  
**FOR PG STUDENTS & FACULTY**  
**(Dated: 11.08.2020 - 19.08.2020)**

**SUMMARY REPORT**

Department of Community Medicine, Narayana Medical College, Nellore, Andhra Pradesh, India has organized a 7-days workshop entitled “*Online training workshop on Biostatistics for PG Students & Faculty*”.

The **purpose of the workshop** was to familiarize the faculty with the use of MS-Excel statistical package and give them the skills needed for effective data management, data manipulation, and data analysis at a basic level.

*The table below summarizes the key points of program schedule of the workshop.*

**TITLE:** - *Online training workshop on Biostatistics for PG Students & Faculty*

**DATES:** - 11.08.2020 to 19.08.2020 at 11.00AM to 12.00 Noon.

**PREAMBLE:** - A seven-day online workshop on biostatistics has been conducted during 11.08.2020 - 19.08.2020, at Narayana Medical College, Nellore, Andhra Pradesh, India to stretch the knowledge on the usage of MS-Excel statistical package for Faculty and Post-Graduation students.

**PARTICIPANT’S PROFILE:** - A total of 630 candidates has been registered in this workshop. Out of 630, 617 from India (97.94%) and 13 outside of the country (2.06%) [USA-3, Bangladesh-2, etc.,] were registered during the program schedule time.

Andhra Pradesh (34.29%), Tamil Nadu (15.71%), Karnataka (7.78%), Maharashtra (7.30%), Telangana (5.71%), Uttar Pradesh (3.17%), and, etc., participants were registered from the states of India & outside of country.

From the Narayana Medical College & Hospital, Nellore (15.71%); Narayana College of Physiotherapy, Nellore (6.19%); Narayana Dental College, Nellore (5.40%); VPMM College of Nursing, Virudhunagar, Tamil Nadu (5.40%); Adventist College of Nursing, Bangalore, Karnataka (4.76%); Narayana College of Nursing, Nellore (4.60%); and other Colleges/Universities (57.94%) participants were registered from the different colleges from India & outside of country.

### **DAY WISE PROGRAM REPORT: -**

On the day of **11th August, 2020**, a total of 567 registered candidates, 300 candidates were participated. **Dr. C. Jyothi**, Professor of Community Medicine, Narayana Medical College, Nellore has delivered a lecture on “**Introduction to Biostatistics**” and she has covered the topics of *what is biostatistics, Types of data & their sources, Presentation of Data, Tabulation of data and their types, Types of Charts & Diagrams, drawing a table & diagram using MS-Excel* during the programme.

On the day of **12<sup>th</sup> August, 2020**, a total of 511 registered candidates, 282 candidates were participated. **Dr. K. Vyshnavi**, Assistant Professor of Community Medicine, Narayana Medical College, Nellore has delivered a lecture on “**Measures of Central Tendency**” and she has covered the topics of types of Measures, Mean, (or) Arithmetic Mean, Median, Mode, Practical exercises using MS-Excel during the programme.

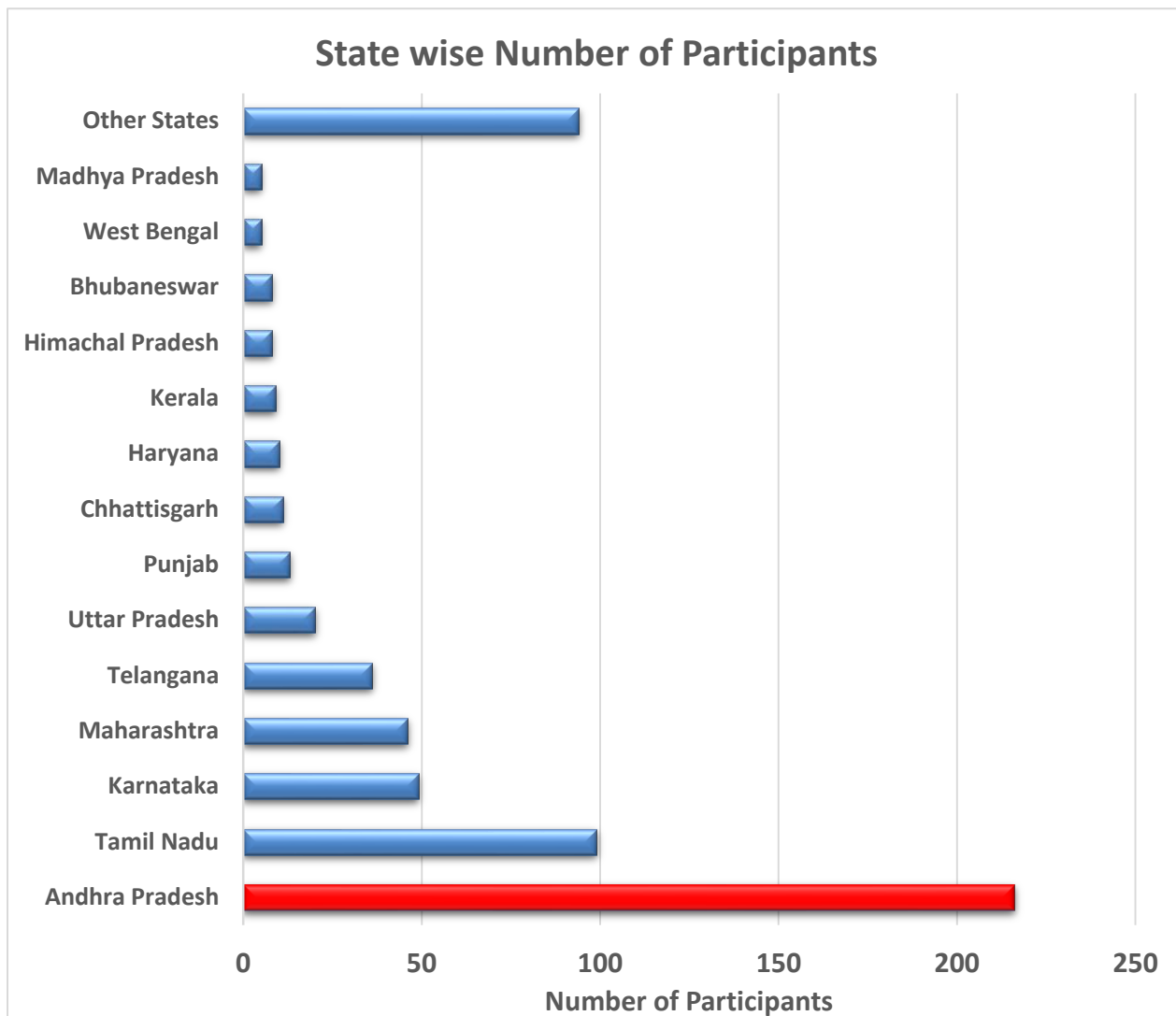
On the day of **13<sup>th</sup> August, 2020**, of a total of 541 registered candidates, 277 candidates were participated. **Dr. P. Sasikala**, Assistant Professor of Community Medicine, Narayana Medical College, Nellore has delivered a lecture on “**Measures of dispersion & Normal Distribution**” and she has covered the topics of *Range, Mean Deviation, Standard Deviation, Coefficient of Variation, Calculation measures of dispersion using MS-Excel, Normal Distribution & its importance, Properties of Normal distribution, what is Normal curve, drawing of a normal curve using MS-Excel* during the programme.

On the day of **14<sup>th</sup> August, 2020**, a total of 481 registered candidates, 232 candidates were participated. **Dr. S. Pravallika**, Assistant Professor of Community Medicine, Narayana Medical College, Nellore has delivered a lecture on “**Parametric tests**” and she has covered the topics of *what are Parametric tests, Introduction of testing of Hypothesis, One-sample student's t-test, Two-sample student's t-test (Paired & Unpaired), Analysis of Variance (ANOVA) test, Practical exercises of Parametric tests using MS-Excel* during the programme.

On the day of **17<sup>th</sup> August, 2020**, a total of 453 registered candidates, 220 candidates were participated. **Dr. Sk. Ahammad Basha**, Assistant Professor of Community Medicine, Narayana Medical College, Nellore has delivered a lecture on “**Non-Parametric tests**” and he has covered the topics of *difference between Parametric & Non-Parametric tests, Types of Non-Parametric tests, Sign Test, Chi-Square test, Spearman's rank correlation coefficient Wilcoxon-signed rank test, Mann-Whitney U test, Kruskal-Wallis test, Practical exercises of Non-Parametric tests using MS-Excel* during the programme.

On the day of **18<sup>th</sup> August, 2020**, a total of 299 registered candidates, 177 candidates were participated. **Dr. C. Kumar**, Professor of Community Medicine, Narayana Medical College, Nellore has delivered a lecture on “**Correlation Analysis**” and he has covered the topics of meaning of correlation, types of Correlation, Scatter diagram, Pearson’s correlation coefficient, Practical exercises of Correlation Analysis using MS-Excel during the programme.


On the day of **19<sup>th</sup> August, 2020**, a total of 359 registered candidates, 173 candidates were participated. **Dr. SP Rao**, Dean & Professor of Community Medicine, Narayana Medical College, Nellore has delivered a lecture on “**Regression Analysis**” and he has covered the topics of *basics concepts in Regression, Situations where models are used, how to use MS-Excel for Regression, types of Regression: Linear, Logistic, Time to Event Regression, Model fitting & Building* during the programme.



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| Date | Name of the Resource Person | Topic Name |
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| <p><b>11.08.2020</b><br/><b>(Tuesday)</b></p>   |  <p><b>Dr. C. Jyothi, M.D.,</b><br/>Professor of Community Medicine,<br/>Narayana Medical College, Nellore.</p>                               | <p><b>Basics in Biostatistics</b></p>                                  |
| <p><b>12.08.2020</b><br/><b>(Wednesday)</b></p> |  <p><b>Dr. K. Vyshnavi, M.D.,</b><br/>Assistant Professor,<br/>Department of Community Medicine,<br/>Narayana Medical College, Nellore.</p>  | <p><b>Measures of Central Tendency</b></p>                             |
| <p><b>13.08.2020</b><br/><b>(Thursday)</b></p>  |  <p><b>Dr. P. Sasikala, M.D.,</b><br/>Assistant Professor,<br/>Department of Community Medicine,<br/>Narayana Medical College, Nellore.</p> | <p><b>Measures of Dispersion<br/>&amp;<br/>Normal Distribution</b></p> |

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| <p><b>14.08.2020<br/>(Friday)</b></p>    |  <p><b>Dr. S. Pravallika, M.D.,</b><br/>Assistant Professor,<br/>Department of Community Medicine,<br/>Narayana Medical College, Nellore.</p>     | <p><b>Parametric Tests</b></p>     |
| <p><b>17.08.2020<br/>(Monday)</b></p>    |  <p><b>Dr. SK. Ahammad Basha, PhD.,</b><br/>Assistant Professor,<br/>Department of Community Medicine,<br/>Narayana Medical College, Nellore.</p> | <p><b>Non-Parametric Tests</b></p> |
| <p><b>18.08.2020<br/>(Tuesday)</b></p>   |  <p><b>Dr. C. Kumar, M.D.,</b><br/>Professor Community Medicine,<br/>Narayana Medical College, Nellore.</p>                                     | <p><b>Correlation analysis</b></p> |
| <p><b>19.08.2020<br/>(Wednesday)</b></p> |  <p><b>Dr. SP Rao, M.D.,</b><br/>Professor &amp; Dean,<br/>Narayana Medical College, Nellore.</p>   | <p><b>Regression Analysis</b></p>  |