**STORYBOARD**

**Blended Learning Course Development: Introduction to Statistics**

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| --- | --- | --- | --- | --- |
| Weekly units | Intended unit learning outcomes | Activity where students engage with this unit outcome | Where and how is this unit outcome assessed? | Learning Resources |
| Unit 4 Measures of deviation or dispersion | 4.1. Students should have a clear understanding of basic statistical concepts and usage .  | E-tivity 4.1 | Online Individual or by groups of studentsDiscussion forums  | Dr. S.P Gupta and Dr. M.P Gupta. Business Statistics. University of Delhi. Delhi. 14th edition 2005. J Craw shaw & J Chambers, concise Course in A-Level Statistics. 1984, 1990, 1994.E. Narayanan Nadar. PHI Learning Private Limited New Delhi 110001 2011.Murray R. Spiegel, Larry J. Stephens & Narinder Kumar, all PhD. Statistics 4th Edition Second reprint, 2011.Gerald Keller & Brian Warrock, Wilfrid University, 2004. All right reserved. |
| 4.2. Student should carry out an informed analysis using the statistical tools  | E-tivity 4.2 | Online Individual or by groups of students Discussion forums | Dr. S.P Gupta and Dr. M.P Gupta. Business Statistics. University of Delhi. Delhi. 14th edition 2005. J Craw shaw & J Chambers, concise Course in A-Level Statistics. 1984, 1990, 1994.E. Narayanan Nadar. PHI Learning Private Limited New Delhi 110001 2011.Murray R. Spiegel, Larry J. Stephens & Narinder Kumar, all PhD. Statistics 4th Edition Second reprint, 2011.Gerald Keller & Brian Warrock, Wilfrid University, 2004. All right reserved. |
| 4.3. Student should be able to draw conclusions based on the results of calculations | E-tivity 4.3 | Online Individual or by groups of studentsDiscussion forums | Dr. S.P Gupta and Dr. M.P Gupta. Business Statistics. University of Delhi. Delhi. 14th edition 2005. J Craw shaw & J Chambers, concise Course in A-Level Statistics. 1984, 1990, 1994.E. Narayanan Nadar. PHI Learning Private Limited New Delhi 110001 2011.Murray R. Spiegel, Larry J. Stephens & Narinder Kumar, all PhD. Statistics 4th Edition Second reprint, 2011.Gerald Keller & Brian Warrock, Wilfrid University, 2004. All right reserved. |
| Unit 5Statistical Applications  | **5.1.** Students should be able to evaluate different economic issues by using statistical applications | E-tivity 5.1 | Summary reflexion on case study, discussion questions Discussion forum  | Dr. S.P Gupta and Dr. M.P Gupta. Business Statistics. University of Delhi. Delhi. 14th edition 2005. J Craw shaw & J Chambers, concise Course in A-Level Statistics. 1984, 1990, 1994.E. Narayanan Nadar. PHI Learning Private Limited New Delhi 110001 2011.Murray R. Spiegel, Larry J. Stephens & Narinder Kumar, all PhD. Statistics 4th Edition Second reprint, 2011.Gerald Keller & Brian Warrock, Wilfrid University, 2004. All right reserved. |
| **5.2.** Students will develop problem-solving skills using basic statistical tools.  | E-tivity 5.2 | Summary reflexion on case study, discussion questions related to Business and Economics Discussion forum | Dr. S.P Gupta and Dr. M.P Gupta. Business Statistics. University of Delhi. Delhi. 14th edition 2005. J Craw shaw & J Chambers, concise Course in A-Level Statistics. 1984, 1990, 1994.E. Narayanan Nadar. PHI Learning Private Limited New Delhi 110001 2011.Murray R. Spiegel, Larry J. Stephens & Narinder Kumar, all PhD. Statistics 4th Edition Second reprint, 2011.Gerald Keller & Brian Warrock, Wilfrid University, 2004. All right reserved. |
| **5.3.** Student will be able to compute statistical problemsoften interested in finding whether a relationship exists between two variables  | E-tivity 5.3  | Summary reflexion on case study, discussion questions Discussion forum | Dr. S.P Gupta and Dr. M.P Gupta. Business Statistics. University of Delhi. Delhi. 14th edition 2005. J Craw shaw & J Chambers, concise Course in A-Level Statistics. 1984, 1990, 1994.E. Narayanan Nadar. PHI Learning Private Limited New Delhi 110001 2011.Murray R. Spiegel, Larry J. Stephens & Narinder Kumar, all PhD. Statistics 4th Edition Second reprint, 2011.Gerald Keller & Brian Warrock, Wilfrid University, 2004. All right reserved. |
| Unit. 6Regressions and Correlations | **6.1** Be able to understand whether a regression line is a good fit to data by calculating a correlation coefficient (CC). | E-tivity 6.1 |  Provide Summary reflexion on given readings, questions discussion and be active on discussion forum | Dr. S.P Gupta and Dr. M.P Gupta. Business Statistics. University of Delhi. Delhi. 14th edition 2005. J Craw shaw & J Chambers, concise Course in A-Level Statistics. 1984, 1990, 1994.E. Narayanan Nadar. PHI Learning Private Limited New Delhi 110001 2011.Murray R. Spiegel, Larry J. Stephens & Narinder Kumar, all PhD. Statistics 4th Edition Second reprint, 2011.Gerald Keller & Brian Warrock, Wilfrid University, 2004. All right reserved. |
| **6.2.** Understand the relationship between variables used in statistical analysis to make a good regression model and determine the correlation exist between the variables and their degree of correlation, which show the significance of that correlation. | E-tivity 6.2 |  Provide summary reflexion on given readings, questions discussion and be active on discussion forum | Dr. S.P Gupta and Dr. M.P Gupta. Business Statistics. University of Delhi. Delhi. 14th edition 2005. J Craw shaw & J Chambers, concise Course in A-Level Statistics. 1984, 1990, 1994.E. Narayanan Nadar. PHI Learning Private Limited New Delhi 110001 2011.Murray R. Spiegel, Larry J. Stephens & Narinder Kumar, all PhD. Statistics 4th Edition Second reprint, 2011.Gerald Keller & Brian Warrock, Wilfrid University, 2004. All right reserved. |
| **6.3.** Student will be able to distinguish as the coefficient, is positive or negative thus making the regression line fits the data perfectly to understand the result’s effect on events. | E-tivity 6.3 | Provide summary reflexion on given readings, questions discussion and be active on discussion forum | Dr. S.P Gupta and Dr. M.P Gupta. Business Statistics. University of Delhi. Delhi. 14th edition 2005. J Craw shaw & J Chambers, concise Course in A-Level Statistics. 1984, 1990, 1994.E. Narayanan Nadar. PHI Learning Private Limited New Delhi 110001 2011.Murray R. Spiegel, Larry J. Stephens & Narinder Kumar, all PhD. Statistics 4th Edition Second reprint, 2011.Gerald Keller & Brian Warrock, Wilfrid University, 2004. All right reserved. |