**Weekly Lesson Plan for M.A.Economics (Previous)Year 2020-21**

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Class : M.A. Economics Semester 2

**Paper: Statistical methods in Economics-1**

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| **Month** | **Class** | **Nomenclature** | **Remarks** |
| April  2021 | Week 1 | Basic Concepts and definition of probabilities  Law of Addition and multiplication |  |
|  | Week 2 | Conditional probability; Basic concepts of sampling |  |
|  | Week 3 | Random and non random sampling; Normal Distribution and its properties | Assignment |
|  | Week 4 | **Parameters and statistics ; Concept of sampling distribution of a statistics.** |  |
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| May  2021 | Week 1 | Standard Eror |  |
|  | Week 2 | Hypothesis testing ; test of significance |  |
|  | Week 3 | Type 1 and Type 11 erors,  Level of significance |  |
|  | Week 4 | Z,t,chi-square and F-test |  |
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| June  2021 | Week 1 | Concept of Estimator and its desirable properties  Estimation of simple,compound and expontial growth rates. |  |
|  | Week 3 | Correlation and regression analysis ; simple correlation, pearson’s correlation coefficient. | SessionalTest |
|  | Week 4 | Spearman’s correlation coefficient  Partial and multiple correlation analysis |  |
| July  2021 | Week 1 | Multiple regression analysis  Specification of a simple linear regression model, |  |
|  | Week 2 | least square estimation of linear regression coefficient , |  |
|  | Week 3 | Interpretation of correlation and  regression coefficient and their properties |  |
|  | Week 4 | Coefficient of multiple determination |  |
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