

Teaching Plan
Department of Public Policy and Public Administration
Central University of Jammu

Course :PGPPA2F007T
 Total Credits = 4

Title: Statistics Methods and Computer Application
 Total Lectures = 48
 Seminars/ Assessment =12 Hours

	Day/ Week	Topics	No. of Hours/ Days per topic	Suggested Readings
1st Week	I	Meaning, importance and scope of Statistics.	(Total Lectures= 4)	Levin Richarrd (2013)Statistics for Management, Pearson, Delhi S.P. Gupta (2011), Statistical Methods, Sultan Chand and Sons, New Delhi.
	II			
	III			
	IV	Types of data; primary and secondary,		
	V	Seminar/Assessment		

	Day/ Week	Topics	No. of Hours/ Days per topic	Suggested Readings
2nd Week	I	Univariate and multivariate data Classification of data:Function, Rule and Bases of data	(Total Lectures= 4)	Levin. Richarrd (2013)Statistics for Management, Pearson, Delhi S.P. Gupta (2011), Statistical Methods, Sultan Chand and Sons, New Delhi.
	II			
	III			
	IV			
	V	Seminar/Assessment		

	Day/ Week	Topics	No. of Hours/ Days per topic	Suggested Readings
3rd Week	I	Graphical representation of data: Histograms & Ogive	(Total Lectures= 4)	Levin Richarrd (2013)Statistics for Management, Pearson, Delhi S.P. Gupta (2011), Statistical Methods, Sultan Chand and Sons, New Delhi.
	II			
	III			
	IV			
	V	Seminar/Assessment		

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic	Suggested Readings
4 th Week	I	Mean	(Total Lectures= 4)	Garrett.Henry(2008),Statistics in Psychology and Education,Surjeet Publication,Delhi. Levin Richarrd (2013)Statistics for Management, Pearson, Delhi S.P. Gupta (2011), Statistical Methods, Sultan Chand and Sons, New Delhi.
	II	Median		
	III	Mode		
	IV			
	V	Seminar/Assessment	1 Hour	

	Day/ Week	Topic	No. of Hours/ Days per topic	Suggested Readings
5 th Week	I	Deviation :Average	(Total Lectures= 4)	Garrett.Henry(2008),Statistics in Psychology and Education,Surjeet Publication,Delhi. Levin Richarrd (2013)Statistics for Management, Pearson, Delhi S.P. Gupta (2011), Statistical Methods, Sultan Chand and Sons, New Delhi.
	II	&Standard		
	III	Normal distribution:		
	IV	Probability curve		
	V	Seminar/Assessment	1 Hour	

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic	Suggested Readings
6 th Week	I	Deviation from	(Total Lectures = 4)	Garrett.Henry(2008),Statistics in Psychology and Education,Surjeet Publication,Delhi. Levin Richarrd (2013)Statistics for Management, Pearson, Delhi S.P. Gupta (2011), Statistical Methods, Sultan Chand and Sons, New Delhi.
	II	normality: Skeweness		
	III	and Kurtosis		
	IV			
	V	Seminar/Assessment	1 Hour	

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic	Suggested Readings
7 th Week	I	Estimation of Relations: Relationship by scatter plots.	(Total Lectures= 4)	Mangla.S.K(2014),Statistics in psychology and Education,PHI,Delhi. Garrett.Henry(2008),Statistics in Psychology and Education,Surjeet Publication,Delhi. Levin Richarrd (2013)Statistics for Management, Pearson, Delhi S.P. Gupta (2011), Statistical Methods, Sultan Chand and Sons, New Delhi.
	II			
	III			
	IV			
	V	Seminar/Assessment	1 Hour	

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic	Suggested Readings
8 th Week	I	Correlation Analysis: Pearson Product Moment & Rank order	(Total Lectures= 4)	Garrett.Henry(2008),Statistics in Psychology and Education,Surjeet Publication,Delhi. Levin Richarrd (2013)Statistics for Management, Pearson, Delhi S.P. Gupta (2011), Statistical Methods, Sultan Chand and Sons, New Delhi.
	II			
	III			
	IV			
	V	Seminar/Assessment	1 Hour	

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic	Suggested Readings
9 th Week	I	Regression ; Linear and Non Linear Parametric tests; Critical Ratio, ANOVA	(Total Lectures= 4)	Mangla.S.K(2014),Statistics in psychology and Education,PHI,Delhi. Garrett.Henry(2008),Statistics in Psychology and Education,Surjeet Publication,Delhi. Levin Richarrd (2013)Statistics for Management, Pearson, Delhi S.P. Gupta (2011), Statistical Methods, Sultan Chand and Sons, New Delhi.
	II			
	III			
	IV			
	V	Seminar/Assessment	1 Hour	

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic	Suggested Readings
10 th Week	I	Non Parametric tests:chi-square Hypothesis: Types, level of significance and hypothesis testing,	(Total Lectures= 4)	Mangla.S.K(2014),Statistics in psychology and Education,PHI,Delhi. Garrett.Henry(2008),Statistics in Psychology and Education,Surjeet Publication,Delhi. Levin Richarrd (2013)Statistics for Management, Pearson, Delhi S.P. Gupta (2011), Statistical Methods, Sultan Chand and Sons, New Delhi.
	II			
	III			
	IV			
	V	Seminar/Assessment	1 Hour	

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic	Suggested Readings
11 th Week	I	One tail &two tail tests Data Processing Editing, coding and Tabulation	(Total Lectures= 4)	Mangla.S.K(2014),Statistics in psychology and Education,PHI,Delhi. Garrett.Henry(2008),Statistics in Psychology and Education,Surjeet Publication,Delhi. Levin Richarrd (2013)Statistics for Management, Pearson, Delhi S.P. Gupta (2011), Statistical Methods, Sultan Chand and Sons, New Delhi.
	II			
	III			
	IV			
	V	Seminar/Assessment	1 Hour	

	Day/ Week	Title of Topic to be taught	No. of Hours/ Days per topic	Suggested Readings
12 th Week	I	Introduction to Excel and SPSS	(Total Lectures= 4)	Garson G. David(1999), IT and Computer Applications in Public Administration, Idea Group Inc. Field.Andy(2013),Discovering Statistics using IBM SPSS Statistics,Sage Text,Delhi
	II			
	III			
	IV			
	V	Seminar/Assessment	1 Hour	

