



School of Development Studies

MBA Rural Management

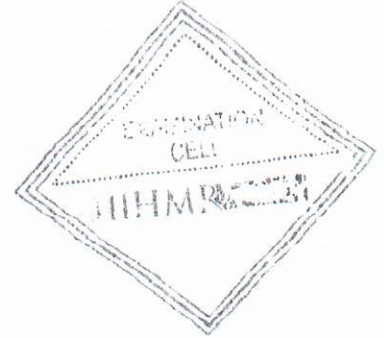
Batch-7 (2018-2020)

2nd Year

Data Management and Analysis

Term Examination

August 2019



Time - 3 Hour

MM-70

The question paper contains 2 printed page.

Q. 1. What are the four types of scales used to measure data? Define, differentiate and distinguish between these data types with appropriate examples. (15)

Q. 2. Why implementing simple random sampling is often not possible. In this context with suitable examples discuss when the following sampling schemes are useful: Systematic Sampling, Cluster Sampling and Multistage Sampling. (15)

Q. 3. In the context of an example discuss the following concepts: (20)

- a) Element,
- b) Population,
- c) Sampling Unit,
- d) Sample Frame.

Q. 4. Consider the following SPSS tables and based on that answer the questions that follow. (20)

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	ATimeSavedStateHighwayPC, ATimeSavedTallukaPC, ATimeSavedDistrictPC, PMGSYRoadPresent ^b		Enter

a. Dependent Variable: RPO28_26

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.262 ^a	.069	.062	.96263

a. Predictors: (Constant), ATimeSavedStateHighwayPC, ATimeSavedTalukaPC, ATimeSavedDistrictPC, PMGSYRoadPresent

ANOVA ^a						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	40.073	4	10.018	10.811	.000 ^b
	Residual	542.089	585	.927		
	Total	582.163	589			

a. Dependent Variable: RPO28_26

b. Predictors: (Constant), ATimeSavedStateHighwayPC, ATimeSavedTalukaPC, ATimeSavedDistrictPC, PMGSYRoadPresent

Coefficients ^a						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1.640	.061		26.937	.000
	PMGSYRoadPresent	.497	.141	.247	3.512	.000
	ATimeSavedTalukaPC	-.985	.253	-.222	-3.896	.000
	ATimeSavedDistrictPC	.147	.334	.030	.441	.660
	ATimeSavedStateHighwayP C	.419	.352	.101	1.192	.234

a. Dependent Variable: RPO28_26

- In the regression above, identify the independent and the dependent variables.
- What does the ANOVA table and R-square represent in a regression equation?
- Interpret the null and other coefficients of the regression equation.
- Has the variable PMGSYRoadPresent a significant impactor on the dependent variable? How or how not?

