ROLE OF MICRO-FINANCE IN WOMEN EMPOWERMENT IN INDIA: A CASE STUDY OF ALIGARH DISTRICT

THESIS

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coefficient is 0.752 which means that one unit change in microfinance brings 0.752 units change in political empowerment. Besides, this impact is strong and statistically significant as the value significant value is 0.005 which is less than 0.05 at 95 percent confidence interval. Therefore, the null hypothesis is rejected and it can be said that there is a significant impact of microfinance on political empowerment in Aligarh District.

The Regression equation of this Model is:

Y (Dependent Variable) = α (Intercept) + β (Slope) x (Independent Variable) + e

Political empowerment = 1.962+ 0.752 Microfinance

Regression equation (Y=α+βx+e) shows the linear relationship between political empowerment and microfinance. It signifies the values of α (Intercept) and β (Slope). Intercept shows the change in political empowerment when microfinance is zero, whereas slope shows the change in political empowerment with respect to microfinance. The e shows the random error that will occur in the prediction of Y (political empowerment) for the values of X (microfinance) because X does not explain all the variability of Y. The error term e allows the political empowerment values to vary for any given value of X (microfinance).

Hypothesis 5

H_0: There is no significant impact of microfinance on social empowerment in Aligarh District.

H_1: There is a significant impact of microfinance on social empowerment in Aligarh District.

The impact of microfinance on social empowerment in Aligarh District has been measured by applying linear regression. The independent variable is microfinance and dependent variable is socio-cultural empowerment. The null hypothesis is that there is no significant impact of microfinance on social empowerment and the alternative hypothesis states that there is a significant impact of microfinance on social empowerment in Aligarh District.

Table 5.70: Correlation Matrix- Social Empowerment

Model-5	Variables	SE	Microfinance
Pearson Correlation	SE Microfinance	1.000 0.955	0.955 1.000
Sig. (1-tailed)	SE Microfinance	. 0.000	0.000 .

SE: Social Empowerment
Source: Output of SPSS_20

Table 5.70 shows the coefficient of correlation between the two variables microfinance and social empowerment. The value of coefficient of correlation as shown by above correlation matrix is 0.955. It indicates a very high and positive relationship between microfinance programme and social empowerment.

Table 5.71: Regression Analysis- Social Empowerment

Model	R	R Square	Adjusted R^2	Std. Error	Durbin Watson
5	0.955	0.912	0.911	1.0172	1.674

Predictors: (Constant), Microfinance
Source: Output of SPSS_20

Table 5.71 shows the regression analysis of microfinance and social empowerment. R square shows the amount of variation in one variable (social empowerment) that is accounted by another variable (microfinance). The value of R square is 0.912 which means 91.2 percent variation in respondent's social empowerment is explained by the microfinance programme and the rest of the variation ($1-R^2$) is an unexplained variation in social empowerment due to variables that has not been considered in this model.

Table 5.72: ANOVA-Social Empowerment

Model-5	Sum of Squares	df	Mean Square	F	Sig.
Regression	479.842	1	479.842	900.266	0.005[a]
Residual	340.077	638	0.533		
Total	819.919	639			

Predictors: (Constant), Microfinance
Dependent Variable: Social Empowerment
Source: Output of SPSS_20

The ANOVA table assesses the overall significance of the model. The F value is 900.266 and its corresponding significant value is 0.005 which is less than 0.05 at 95 percent confidence interval. Hence, it can be said that the model construct is validated.

Table 5.73: Regression Coefficients- Social Empowerment

Model-5	Beta	SE	Standardized Coefficients	T Value	P Value
(Constant)	2.015	0.754		51.984	0.408
Microfinance	0.873	0.841	0.955	-1.656	0.000

Dependent Variable: Social Empowerment
Beta: Unstandardized Coefficients
SE: Standard Error
Source: Output of SPSS_20

Table 5.73 shows the values of regression coefficients, t value, standard error, and significant value. An unstandardized beta coefficient gives a measure of contribution of each variable to the model. A larger value indicates that a unit change in the predictor variable has a larger impact on the criterion variable. The value of unstandardized beta