CHAPTER NINE

OBJECTIVE 2: TO DETERMINE THE PSYCHOLOGICAL CONTRACT BREACH AMONG THE EMPLOYEES OF PUBLIC AND PRIVATE UNIVERSITIES OF ASSAM

OBJECTIVE 2: To determine the Psychological Contract Breach among the employees of Public and Private Universities of Assam

The second objective of our study is to check the Psychological Contract Breach among the employees of Public and Private Universities of Assam. To understand the status of a particular concept, a number of factors come into play. Since it is not feasible to include all variables to determine the concept of Psychological Contract Breach, variables chosen for the same are- Organizational Trust and Job Satisfaction. The variables are chosen after literature review, focus group discussion and pilot study.

For our second objective, we need to check the degree of significance between Psychological Contract Breach and the variables. For the same, multiple linear regression is undertaken.

Prior to computing regression on our data, the assumptions of the same are checked.

"Assumption 1: Relationship between the independent variables and the dependent variable is linear – Not Violated

Assumption 2: No multi-collinearity in the data – Not violated

Assumption 3: Values of the residuals are independent – Not violated

Assumption 4: Variance of the residuals is constant (homoscedasticity) – Not violated

Assumption 5: Values of the residuals are normally distributed – Not violated

Assumption 6: There are no influential cases biasing the model – Not violated"

After fulfilment of all the assumptions of regression, multiple linear regression is computed for the data.

The influence of Organizational Trust and Job Satisfaction on Psychological Contract Breach for the three types of universities is measured. The items for Psychological Contract Breach are selected in such a way that higher the PCB value, lower is the breach. Therefore higher value of PCB in the analysis will indicate lower breach in Psychological Contract among employees.

Central University Employees:

We shall be performing multiple linear regression to determine the relationship between Organizational Trust and Job Satisfaction with Psychological Contract Breach. Therefore the hypotheses for the same are-

 H_0 = "There is no significant relationship between Psychological Contract Breach and Organizational Trust among Central University employees"

 H_1 = "There is significant relationship between Psychological Contract Breach and Organizational Trust among Central University employees"

 H_0 = "There is no significant relationship between Psychological Contract Breach and Job Satisfaction among Central University employees"

 H_1 = "There is significant relationship between Psychological Contract Breach and Job Satisfaction among Central University employees"

Following the regression analysis, it is seen that the adjusted R square is 0.468 which is interpreted as 46.8% variance in Psychological Contract Breach is explained by Organizational Trust and Job Satisfaction.

The significance value from the ANOVA table is 0.00 which is less than 0.05, which gives us a statistically significant result.

From the coefficients table we have the significant values of OT and JS. "For values less than the p-value (0.05), we reject the null hypothesis". OT has a significant value of 0.000029. Therefore we can interpret that Organizational Trust has a statistically significant relationship with Psychological Contract Breach. Similarly, Job Satisfaction has a significant value of 0.000003 and hence we can conclude that there is a significant relationship between Job Satisfaction and Psychological Contract Breach.

For the regression equation we have the beta values for OT and JS as 0.273 and 0.321 which implies that- for every unit of change in Organizational Trust, there is a change of 0.273 times in Psychological Contract Breach and for every unit of change in Job Satisfaction, there is a change of 0.321 times in Psychological Contract Breach.

More the Organizational Trust, less is the chance of breach in Psychological Contract of employees.

More the fulfilment of Job Satisfaction, less is the Psychological Contract Breach.

Table 8.17: Table showing the model summary results for regression analysis of Objective 2 (Central Universities)

R value	R Square	R Square	Standard
	value	(Adjusted)	Error of
		value	Estimate
.688	.474	.468	.60780

Table 8.18: Table showing the ANOVA results for regression analysis of Objective 2 (Central Universities)

	Sum of	Mean	F value	Significa
	Squares	Square value		nt value
Regression	60.564	30.282	81.971	.000
Residual	67.236	.369		
Total	127.800			

Table 8.19: Table showing the Coefficients results for regression analysis of Objective 2 (Central Universities)

	Unstandardized Coefficients values		Standardized Coefficients value	Significant value
	В	Standard Error	Beta value	
(Constant)	2.382	.255		.000
OT_1	.273	.064	.346	.000
JS_1	.321	.066	.391	.000

Private University Employees:

We shall be performing multiple linear regression to determine the relationship between Organizational Trust and Job Satisfaction with Psychological Contract Breach. Therefore the hypotheses for the same are-

 H_0 = "There is no significant relationship between Psychological Contract Breach and Organizational Trust among Private University employees"

 H_1 = "There is significant relationship between Psychological Contract Breach and Organizational Trust among Private University employees"

 H_0 = "There is no significant relationship between Psychological Contract Breach and Job Satisfaction among Private University employees"

 H_1 = "There is significant relationship between Psychological Contract Breach and Job Satisfaction among Private University employees"

Following the regression analysis, it is seen that the adjusted R square is 0.531 which is interpreted as 53.1% variance in Psychological Contract Breach is explained by Organizational Trust and Job Satisfaction.

The significance value from the ANOVA table is 0.00 which is less than 0.05, which gives us a statistically significant result.

From the coefficients table we have the significant values of OT and JS. "For values less than the p-value (0.05), we reject the null hypothesis". OT has a significant value of 0.006065. Therefore we can interpret that there is a significant relationship between Organizational Trust and Psychological Contract Breach. Similarly, Job Satisfaction has a significant value of 0.000006 and hence we can conclude that there is significant difference between Job Satisfaction and Psychological Contract Breach.

For the regression equation we have the beta values for OT and JS as 0.237 and 0.405 which implies that- for every unit of change in Organizational Trust, there is a change of 0.237 times in Psychological Contract Breach and for every unit of change in Job Satisfaction, there is a change of 0.405 times in Psychological Contract Breach.

More the Organizational Trust, less is the chance of Psychological Contract Breach of employees. More the fulfilment of Job Satisfaction, less is the breach in Psychological Contract of employees.

Table 8.20: Table showing the model summary results for regression analysis of Objective 2 (Private Universities)

R value	R Square	R Square	Standard
	value	(Adjusted)	Error of
		value	Estimate
.734	.539	.532	.60742

Table 8.21: Table showing the ANOVA results for regression analysis of Objective 2 (Private Universities)

	Sum of	Mean	F value	Significa
	Squares	Square value		nt value
Regression	50.136	25.068	67.942	.000
Residual	42.800	.369		
Total	92.936			

Table 8.22: Table showing the Coefficients results for regression analysis of Objective 2 (Private Universities)

	Unstandardized Coefficients values		Standardized Coefficients value	Significant value
	В	Standard Error	Beta value	
(Constant)	2.136	.317		.000
OT_1	.237	.085	.287	.006
JS_1	.405	.085	.486	.000

State University Employees:

We shall be performing multiple linear regression to determine the relationship between Organizational Trust and Job Satisfaction with Psychological Contract Breach. Therefore the hypotheses for the same are-

 H_0 = "There is no significant relationship between Psychological Contract Breach and Organizational Trust among State University employees"

 H_1 = "There is significant relationship between Psychological Contract Breach and Organizational Trust among State University employees"

 H_0 = "There is no significant relationship between Psychological Contract Breach and Job Satisfaction among State University employees"

 H_1 = "There is significant relationship between Psychological Contract Breach and Job Satisfaction among State University employees"

Following the regression analysis, it is seen that the adjusted R square is 0.424 which is interpreted as 42.4% variance in Psychological Contract Breach is explained by Organizational Trust and Job Satisfaction.

The significance value from the ANOVA table is 0.00 which is less than 0.05, which gives us a statistically significant result.

From the coefficients table we have the significant values of OT and JS. "For values less than the p-value (0.05), we reject the null hypothesis". OT has a significant value of 0.000. Therefore we can interpret that Organizational Trust has a significant relationship with Psychological Contract Breach. Similarly, JS has a significant value of 0.000 and hence we can conclude that there is significant relationship between Job Satisfaction and Psychological Contract Breach.

For the regression equation we have the beta values for OT and JS as 0.296 and 0.325 which implies that- for every unit of change in Organizational Trust, there is a change of 0.296 times in Psychological Contract Breach and for every unit of change in Job Satisfaction, there is a change of 0.325 times in Psychological Contract Breach.

More the Organizational Trust, less is the chance of breach in Psychological Contract Breach of employees.

More the fulfilment of Job Satisfaction, less is the Psychological Contract Breach.

Table 8.23: Table showing the model summary results for regression analysis of Objective 2 (State Universities)

R value	R Square	R Square	Standard
	value	(Adjusted)	Error of
		value	Estimate
.654	.428	.424	.70051

Table 8.24: Table showing the ANOVA results for regression analysis of Objective 2 (State Universities)

	Sum of Squares	Mean Square value	F value	Significant value
Regression	114.504	57.252	116.671	.000
Residual	153.102	.491		
Total	267.607			

Table 8.25: Table showing the Coefficients results for regression analysis of Objective 2 (State Universities)

2 (State Chrystalies)					
	Unstandardized Coefficients values		Standardized Coefficients value	Significant value	
	В	Standard Error	Beta value		
(Constant)	2.139	.233		.000	
OT_1	.296	.045	.358	.000	
JS_1	.325	.048	.369	.000	

Table 8.26: Consolidated table depicting the values from the three categories of universities for Objective 2

	ADJUSTED	SIGNIFICANT		BETA V	ALUES	REGRESSION EQUATION
	R SQUARE	VAI	LUES			
		OT	JS	OT	JS	
Central	0.468	0.000029	0.000003	0.273	0.321	PCB predicted = 2.382 +
Universities						0.273OT + 0.321JS
Private	0.532	0.006	0.000006	0.237	0.405	PCB predicted = $2.136 + 0.237$
Universities						OT + 0.405JS
State	0.424	0.00	0.00	0.296	0.325	PCB predicted = $2.139 + 0.296$
Universities						OT + 0.325JS

Discussion: For our second objective, we have seen that for the three different types of universities, the status of Psychological Contract Breach varies. For every change in the factors of Psychological Contract Breach i.e., Organizational Trust and Job Satisfaction, the status of Psychological Contract Breach changes, in different ratio. Since the factors have p-values less than 0.05, it can be determined that they are significantly related with Psychological Contract Breach. Therefore to make changes in the status of Psychological Contract Breach of employees, effort should be made to improve the Organizational Trust and Job Satisfaction among employees in different universities. This leads us to the fulfillment of our second objective in determining the Psychological Contract Breach in the Private and Public Universities of Assam

For a detailed status of Psychological Contract Breach (PCB) of employees of different universities, analyses were done with few of the demographic factors as well. These are as follows:

GENDER- To analyze the Psychological Contract Breach of employees based on their gender, "Independent Samples T-tests" for employees' data of Central, State and Private Universities were done

Central Universities:

"Independent Samples t-test" was done to analyze the relationship between Psychological Contract Breach (PCB) mean scores and Gender mean scores. Hypotheses for the same are as follows:

 H_0 = "The mean scores of Psychological Contract Breach and Gender groups are not significantly different among Central University employees"

 H_1 = "The mean scores of Psychological Contract Breach and Gender groups are significantly different among Central University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.667, and therefore we can conclude that there is no significant difference between the mean scores of PCB and Gender for Central University employees

State Universities:

"Independent Samples t-test" was done to analyze the relationship between Psychological Contract Breach (PCB) mean scores and Gender mean scores. Hypotheses for the same are as follows:

 H_0 = "The mean scores of Psychological Contract Breach and Gender groups are not significantly different among State University employees"

 H_1 = "The mean scores of Psychological Contract Breach and Gender groups are significantly different among State University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.190, and therefore we can conclude that there is no significant difference between the mean scores of PCB and Gender for State University employees

Private Universities:

"Independent Samples t-test" was done to analyze the relationship between Psychological Contract Breach (PCB) mean scores and Gender mean scores. Hypotheses for the same are as follows:

 H_0 = "The mean scores of Psychological Contract and Gender groups are not significantly different among Private University employees"

 H_1 = "The mean scores of Psychological Contract and Gender groups are significantly different among Private University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.197, and therefore we conclude that there is no significant difference between the mean scores of PCB and gender for Private University employees

Table 8.27: Table showing the significant values and analyses for the three types of universities for Objective 2 (Gender)

	GENDER			
	SIGNIFICANT	ANALYSIS		
	VALUE			
CENTRAL	0.667	No significant difference between Gender and		
UNIVERSITIES		Psychological Contract Breach among employees of		
		Central Universities		
STATE	0.190	No significant difference between Gender and		
UNIVERSITIES		Psychological Contract among employees of State		
		Universities		
PRIVATE	0.019	Significant difference between Gender and		
UNIVERSITIES		Psychological Contract among employees of Private		
		Universities		

AWARENESS OF PC- To analyze the Psychological Contract Breach of employees based on their awareness of PC, "Independent Samples T-tests" for employees' data of Central, State and Private Universities were done

Central Universities:

"Independent Samples t-test" was done to analyze the relationship between Psychological Contract Breach (PCB) mean scores and Awareness of PC mean scores. Hypotheses for the same are as follows:

 H_0 = "The mean scores of Psychological Contract Breach and Awareness of PC are not significantly different among Central University employees"

 H_1 = "The mean scores of Psychological Contract Breach and Awareness of PC are significantly different among Central University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.339, and therefore we conclude that there is no significant difference between the mean scores of PCB and awareness of PC for Central University employees

State Universities:

"Independent Samples t-test" was done to analyze the relationship between Psychological Contract Breach (PCB) mean scores and Awareness of PC mean scores. Hypotheses for the same are as follows:

 H_0 = "The mean scores of Psychological Contract Breach and Awareness of PC are not significantly different among State University employees"

 H_1 = "The mean scores of Psychological Contract Breach and Awareness of PC are significantly different among State University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.265, and therefore we conclude that there is no significant difference between the mean scores of PCB and Awareness of PC for State University employees

Private Universities:

"Independent Samples t-test" was done to analyze the relationship between Psychological Contract Breach (PCB) mean scores and Awareness of PC mean scores. Hypotheses for the same are as follows:

 H_0 = "The mean scores of Psychological Contract Breach and Awareness of PC are not significantly different among Private University employees"

 H_1 = "The mean scores of Psychological Contract Breach and Awareness of PC are significantly different among Private University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.182, and therefore we conclude that there is no significant difference between the mean scores of PCB and awareness of PC for Private University employees

Table 8.28: Table showing the significant values and analyses for the three types of universities for Objective 2 (Awareness of the term 'Psychological Contract')

	AWARENES	S OF THE TERM 'PSYCHOLOGICAL CONTRACT'
	SIGNIFICANT	ANALYSIS
	VALUE	
CENTRAL	0.033	Significant difference between Awareness of PC and
UNIVERSITIES		Psychological Contract Breach among employees of
		Central Universities
STATE	0.026	Significant difference between Awareness of PC and
UNIVERSITIES		Psychological Contract among employees of State
		Universities
PRIVATE	0.182	No significant difference between Awareness of PC and
UNIVERSITIES		Psychological Contract among employees of Private
		Universities

To analyze the Psychological Contract Breach of employees based on their Designation, Age, Education Level, Type of job role, their belief on the existence of PC and whether or not they are provided with legal employment contract, One-way ANOVA tests were done.

DESIGNATION- To analyze the Psychological Contract Breach of employees based on their Designation, "One-way ANOVA" tests for employees' data of Central, State and Private Universities were done:

Central Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across the Designation groups. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for all the designation groups are equal for Central University employees"

 H_1 = "Average PCB scores for all the designation groups are not equal for Central University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.000218, and therefore we conclude that the average PCB scores across all the groups of Designation are not equal for Central University employees.

State Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across the Designation groups. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for all the designation groups are equal for State University employees"

 H_1 = "Average PCB scores for all the designation groups are not equal for State University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.379, and therefore we conclude that the average PCB scores across all the groups of Designation are equal for State University employees

Private Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across the Designation groups. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for all the designation groups are equal for Private University employees"

 H_1 = "Average PCB scores for all the designation groups are not equal for Private University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.173, and therefore we conclude that the average PCB scores across all the groups of Designation are equal for Private University employees.

Table 8.29: Table showing the significant values and analyses for the three types of universities for Objective 2 (Designation)

	EMPLOYEE DESIGNATION	
	SIGNIFICANT	ANALYSIS
	VALUE	
CENTRAL	0.000218	The average PCB scores across all the groups of
UNIVERSITIES		Designation are not equal among employees of Central
		Universities
STATE	0.379	The average PC scores across all the groups of
UNIVERSITIES		Designation are equal among employees of State
		Universities
PRIVATE	0.173	The average PC scores across all the groups of
UNIVERSITIES		Designation are equal among employees of Private
		Universities

AGE- To analyze the Psychological Contract Breach of employees based on their Age, "One-way ANOVA" tests for employees' data of Central, State and Private Universities were done:

Central Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across the Age groups. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for all the age groups are equal for Central University employees"

 H_1 = "Average PCB scores for all the age groups are not equal for Central University employees"

"For values less than the p-value (0.05), we reject the null hypothesis" The significance value found is 0.0024, and therefore we conclude that the average PCB scores across all the groups of Designation are not equal for Central University employees

State Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across the Age groups. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for all the age groups are equal for State University employees"

 H_1 = "Average PCB scores for all the age groups are not equal for State University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.077, and therefore we conclude that the average PCB scores across all the Age groups are equal for State University employees

Private Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across the Age groups. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for all the age groups are equal for Private University employees"

 H_1 = "Average PCB scores for all the age groups are not equal for Private University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.239, and therefore we conclude that the average PCB scores across all the Age groups are equal for Private University employees.

Table 8.30: Table showing the significant values and analyses for the three types of universities for Objective 2 (Age)

	AGE	
	SIGNIFICANT	ANALYSIS
	VALUE	
CENTRAL	0.0024	The average PCB scores across all the age groups are not
UNIVERSITIES		equal among employees of Central Universities
STATE	0.077	The average PCB scores across all the age groups are equal
UNIVERSITIES		among employees of State Universities
PRIVATE	0.239	The average PCB scores across all the age groups are equal
UNIVERSITIES		among employees of Private Universities

EDUCATION LEVEL- To analyze the Psychological Contract Breach of employees based on their Education level, "One-way ANOVA" tests for employees' data of Central, State and Private Universities were done:

Central Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across the Education levels. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for all the Education levels are equal for Central University employees"

 H_1 = "Average PCB scores for all the Education levels are not equal for Central University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.431, and therefore we conclude that the average PCB scores across all the Education levels are equal for Central University employees

State Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across the Education levels. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for all the Education levels are equal for State University employees"

 H_1 = "Average PCB scores for all the Education levels are not equal for State University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.00046, and therefore we conclude that the average PCB scores across all the Education levels are not equal for State University employees.

Private Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across the Education levels. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for all the Education levels are equal for Private University employees"

 H_1 = "Average PCB scores for all the Education levels are not equal for Private University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.484, and therefore we conclude that the average PCB scores across all the Education levels are equal for Private University employees.

Table 8.31: Table showing the significant values and analyses for the three types of universities for Objective 2 (Education level)

	EDUCATION LEVEL	
	SIGNIFICANT	ANALYSIS
	VALUE	
CENTRAL	0.431	The average PCB scores across the education levels are
UNIVERSITIES		equal among employees of Central Universities
STATE	0.00046	The average PCB scores across the education levels are not
UNIVERSITIES		equal among employees of Central Universities
PRIVATE	0.484	The average PCB scores across the education levels are
UNIVERSITIES		equal among employees of Central Universities

JOB ROLE- To analyze the Psychological Contract Breach of employees based on their Job roles, "One-way ANOVA" tests for employees' data of Central, State and Private Universities were done:

Central Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across Job roles. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for the Job roles are equal for Central University employees" H_1 = "Average PCB scores for the Job roles are not equal for Central University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.010, and therefore we conclude that the average PCB scores across all the Job roles are not equal for Central University employees.

State Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across Job roles. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for the Job roles are equal for State University employees" H_1 = "Average PCB scores for the Job roles are not equal for State University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.376, and therefore we conclude that the average PCB scores across all the Job roles are equal for State University employees.

Private Universities:

"One-way ANOVA" test was done to analyze the relationship between average Psychological Contract Breach (PCB) scores across Job roles. Hypotheses for the same are as follows:

 H_0 = "Average PCB scores for the Job roles are equal for Private University employees" H_1 = "Average PCB scores for the Job roles are not equal for Private University employees"

"For values less than the p-value (0.05), we reject the null hypothesis". The significance value found is 0.346, and therefore we conclude that the average PCB scores across all the Job roles are equal for Private University employees.

Table 8.32: Table showing the significant values and analyses for the three types of universities for Objective 2 (Job role)

	JOB ROLE	
	SIGNIFICANT	ANALYSIS
	VALUE	
CENTRAL	0.010	The average PCB scores across the Job roles are not equal
UNIVERSITIES		among employees of Central Universities
STATE	0.376	The average PCB scores across the Job roles are equal
UNIVERSITIES		among employees of State Universities
PRIVATE	0.034	The average PCB scores across the Job roles are not equal
UNIVERSITIES		among employees of Private Universities