

A Study on Financial Performance Analysis on Private Banks.

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By

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A Study on Financial Performance Analysis on Private Banks.

UNDER THE GUIDANCE OF

DR. Santhanalaxmi

SUBMITTED BY:

Tharun Karthick.K

CERTIFICATE

This to certify that this project titled **A study on Financial Performance Analysis Private on Banks.** Is certified on the bona-fide work of Tharun Karthick. k (42410272), is partial fulfilment for the degree of Master of Business Administration carried out by them under my guidance and supervision in the school of management studies Sathyabama, Chennai in the Academic year 2022 - 2024.

EXTERNAL EXAMINERS

INTERNAL EXAMINERS

HEAD OF THE DEPARTMENT

DECLARATION

The researcher do hereby declare that this project titled "**A Study on Financial Performance Analysis in Private Banks** " has been originally done under the guidance of Dr.Santhanalaxmi School of Management Studies, Chennai in partial fulfilment for the Master of Business Administration.

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Tharun Karthick.K

ABSTRACT

Banks have significance role in the economic growth of every country, especially private banks. Therefore, the present study is concerned about the performance of private bank. Three important indicators namely return on asset (ROA) which measures Internal-based performance, Tobin's Q model (price/Book ratio) which measures market-based performance and Return on equity (ROE) which is a key profitability ratio that investors use to measure of the amount of a Bank's income that is returned as shareholder equity have been used to measure financial performance of the selected private banks. Multiple regression technique has been used to find the financial performance measured by the three indicators based on independent variables, banks size, credit risk, asset management, operational efficiency and debt ratio. Results indicate that all the selected ratios have impact on financial performance of Private commercial banks.

CHAPTER: I INTRODUCTION

INTRODUCTION OF THE STUDY:

Among the various financial institutions, banks are the fundamental component and the most active players in the financial system especially financial markets. It provides capital for innovation, infrastructure and job creation and over all prosperity. It has become the integral part of our society, both industries as well as individual consumers. For the past three decades Indian's banking system has several outstanding achievements to its credit. The most striking is its extensive reach even to the remote corners of the country. It has been increasingly focusing on adopting integrated approach to risk management. According to RBI, majority of the banks already meet capital requirements of Basel III,. Already State-run banks have put in place the framework for asset-liability match, credit and derivatives risk management. Banks look for maximum profitability and have the responsibility in increasing the value of shareholders' equities (State run banks maintain equity ratio of 8.5%) on one side (Economic times, June 20, 2017) and improving customer satisfaction on other side. The role of the banking industry is crucial for sustained economic growth. In this context, it is essential to understand and evaluate banks performance in monetary terms which can be carried out by using financial ratios. Generally, the results are reflected in the bank's return on net worth, return on assets, return on equity, return on investment, operating income, earnings before interest and taxes, net asset value, etc. The performance of the Banks is a major concern for any countries trade and its development. It has to manage large volume transactions. Industry related stakeholders, investors, stock holders and other policy makers need to know about the financial performance of a bank for granting credits, loans and investments. RBI and government crossed its hands in finding various ways for the full implementation of international capital norms. In this scenario, it is essential to analyse the financial status of banks by examining the ratio analysis which is the most logical way to examine the present and to predict the future position of any banks. Moreover, it determines the ability of the bank to meet its current obligations, its operating efficiency and its performance. These ratios not only help to decision making process but also emphasised on internal status of banks and also its performance in market comparing to other banks. So this study aims to examine the financial performance under three major areas like, internal-based performance, market-based performance and performance related to bank's income. By establishing a secure relationship between the variables, a firm can analyse its financial performance in terms of profitability and viability. The present study focus on measuring

the performance of three large private sectors banks namely HDFC, ICICI and AXIS BANK through extensive use of key financial ratios.

SCOPE OF THE STUDY:

This study aims to examine the financial performance under three major areas like, internal-based performance, market-based performance and performance related to bank's income. By establishing a secure relationship between the variables, a firm can analyse its financial performance in terms of profitability and viability. The present study focus on measuring the performance of three large private sectors banks namely HDFC, ICICI and AXIS BANK through extensive use of key financial ratios.

OBJECTIVES OF THE STUDY

- understand the banking profitability and Performance Management.
- To learn about the impact of corporate sustainability on corporate financial performance.
- To examine the performance of private commercial banks by rating each bank specific proxy (in a multi -dimensional way).

CHAPTER II REVIEW OF LITERATURE

- 1.) **Jilkova and Stranska (2017)** analysed the effect of the economic situation of the Czech Republic on the performance and profitability of the banking market through selected determinants in their study. They have focussed on measuring the performance and profitability of the banking sector using the method of “**Multiple linear regression model**”. They not only studied the overall fitness of model but also determined which independent variables have the greatest and the smallest effect on the dispersion of the dependent variables. Their paper clarifies the structure of the Czech banking sector and it is focused on the performance and profitability in the defined time period and also compares with the selected banking sector and indicators in other countries.
- 2.) **Sharifi and Akhter (2016)** considered the credit deposit ratio as a barometer of progress of a financial institution like commercial banks. According to them, it indicates the level credit deployment of banks in relation to deposits mobilized by them. A high credit deposit ratio indicates that banks are generating more credit from its deposits and vice-versa. Further, they say that the outcome of this ratio reflects the ability of the bank to make optimal use of the available resources. They carried out a study with a purpose to present the performance of public sector banks through the credit-deposit ratio based on the secondary data collected from 26 public sector banks for a 7 year period (2008-2015). The data were analysed using a descriptive statistics and panel data regression model. Their findings and analysis reveal that the CDR impact positively on public sector bank's financial performance.
- 3.) **Narwal and Pathneja (2015)** discussed the different determinants of productivity and profitability of banks functioning in India. They have studied the performance of public and private sector banks in terms of productivity and profitability in two different time periods (2003-2004 to 2008-2009 and 2009-2010 to 2013-2014). Regression analysis was applied to discover the determinants of different bank groups. The results of the study disclose that private sector banks are more productive than public sector banks over the whole study period and also observed no significant difference in the profitability of two bank groups. The author's reason of more productivity of private sector banks is the better utilization of technology than the public sector banks.
- 4.) **Pandya (2015)** analysed the impact of priority sector advances of scheduled commercial banks operating in India on their profitability. Author, considered all the

scheduled commercial banks operating in India for this purpose. Ratios of Priority sector advances to total advances (PSATA) of all commercial banks during the study period taken as an independent variable whereas, Return on Assets (ROA), Return on Investment (ROI), Return on Equity (ROE), Ratio of Operating Profit to Total Assets, (OPTA) and Ratio of Interest Income to Total Assets (INTTA) were taken as dependent variables. Linear regression models were used to examine the relationship between independent and dependent variables. The study reveals that there exists a statistically significant relationship between PSATA and ROI, ROA, OPTA, INTTA. The results thus imply that priority sector advances have bearing on bank profitability. Further, the study reveals that priority sector advances affect ROA and ROI of the banks. Therefore, author suggests the banks should exercise caution while advancing loans to priority sector else it would be adversely affecting the profitability of the banks.

- 5.) **Adam (2014)** conducted the study to investigate financial performance of Erbil Bank for Investment and Finance, Kurdistan Region of Iraq during the period of 2009-2013. author has used statistical tool for analysis purpose of several variables which would affect the banking system in general in order to know whether these variables are significantly correlated with the financial performance for the bank. The findings of the study show the positive behaviour of the financial position for Erbil Bank and some of their financial factor's variables influence the financial performance for the bank. Author also noticed that the overall financial performance of Erbil Bank is improving in terms of liquidity ratios, assets quality ratios or credit performance, profitability ratios (NPM, ROA and ROE). Further, the study suggests a set of recommendations regarding the development and enhancing of some banking operations which will boost the bank's profitability and improve the financial performance for the bank.
- 6.) **Karim and Alam (2013)** measured the performance of selected private sector banks in Bangladesh by using financial ratios which mainly indicate the adequacy of risk based capital, credit growth, credit concentration, non-performing loan position, liquidity gap analysis, liquidity ratio, return on assets (ROA), return on equity (ROE), net interest margin (NIM). Multiple regression analysis was carried out to apprehend the impact on credit risk, operational efficiency and asset management and created a good-fit regression model to predict the future financial performance of these banks.

7.) **Sarokolaei (2012)** conducted the research to forecast the performance of 10 Iranian banks using multi-linear regression method and artificial neural network and compared these two methods. They have collected the financial data related to 10 Iranian banks for the four years from the most reliable sources. The regression method has been used to find the relationship between the calculated efficiency of ROA (Return on Average Assets) and the independent variables. The findings of multi-linear regression method showed a positive relationship between efficiency and the 3 independent variables of size, cost to income ratio and inflation rate. They also used ROA as an output for the network in the artificial neural network and 7 different inputs were used to identify the pattern according to the predictive variables finally, the performances of these two methods were measured by using MSPR (Means Square Predicted Error). The results of the research showed that the amount of MSPR in multi-linear regression method is much lower than the MSPR amount in artificial neural network method and concluded that the regression method presents a better performance compared to neural networks in predicting the efficiency of Iranian banks.

CHAPTER III: RESEARCH METHODOLOGY

DATA AND METHODOLOGY :

The current study is to investigate the financial performance of three major private sector banks namely HDFC, ICICI and AXIS BANKS in India which are listed in both BSE and NSE. Among the Private sector banks in India, the selected three banks are having large assets size, market capitalisation and profit (Source; Bloomberg data base, financial statements as on March 2017) which are considered to be the performance indicators of banks. Hence, the present study consists of only three banks.

METHODOLOGY :

The analysis have considered three regression models and these models will measure the financial performance of the selected private commercial banks in India. Correlation was done to find the association between variables in each case before determining the regression models. The first regression model is, determination of ROA (which measures the internal-based financial performance), second model is, determination of Tobin's Q (which measures the market-based financial performance) and the Third model is, determination of ROE (Which measures the amount of a Bank's income that is returned as shareholder equity) based on Five identical explanatory variables, Bank size, Credit risk, operational efficiency, Asset management and Debt ratio.

DATA ANALYSIS AND FINDINGS

ANALYSIS AND FINDINGS :

Multiple linear regression analysis is a technique for modelling the linear relationship between a dependent and one or more independent variables. It is one of the most widely used of all statistical methods. In banking and finance literature, regression analysis is a very common method used to find the determinants of bank performance (Ongore and Kusa, 2013; Sharifi and Akhter, 2016) the present study involves fitting three models for three different dependent variables based on the common five independent variables. The general form of multiple regression equation is:

$$Y = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \dots + \beta_k X_k + \varepsilon$$

Where.,

Y = dependent (explained variable)

X_i = ith independent (explanatory variable), $i = 1, 2 \dots k$

$\beta_0, \beta_1, \beta_2, \beta_3 \dots \beta_k$ are the partial regression coefficients of respective independent variables. These are estimated using least squares method from the input data. The coefficient of independent variable reflects how dependent variable Y changes when the independent variable, X_i ($i = 1, 2 \dots k$), changes by one unit, while the other independent variables remain constant. If the dependent variable and independent variables are specified in natural logarithms, the coefficients of independent variables can be interpreted as elasticities. Thus, these coefficients will show the percent change of the dependent variable if the independent variable changes by one percent

Empirical Results of Three Models

First Model

Corresponding to first objective, the null and alternative hypothesis may be defined as

H0: Bank size, Credit Risk (CR), Operational efficiency (OE), Asset management (AM) and Debt Ratio

(DR) have no impact on ROA.

From Table 1, it is evident that ROA has positive correlation with asset management whereas; with all other explanatory variables it has negative correlation. This indicates that ROA

increases when asset management value and bank size value increases (Table 2).

Table 1 CORRELATION VALUES AMONG ROA, BANK SIZE, OE, CR, AM AND DEBT RATIO							
Correlations							
		ROA	Credit risk	Operational efficiency	Asset Management	Log(TA)	Total debt/TA
ROA	Pearson Correlation	1	-0.467**	-0.453**	0.625**	0.212	-0.337*
	Sig. (2-tailed)		0.004	0.006	0.000	0.214	0.045
	N	36	36	36	36	36	36

Table2 ESTIMATION OF PARAMETERS FOR ROA MODEL						
Model		Unstandardized Coefficients		Standardized Coefficients	T	Sig.
		B	Std. Error	Beta		
1	(Constant)	0.798	1.062		0.752	0.458
	Credit risk	-0.268	0.053	-0.622	-5.085	0.000
	Operational efficiency	-1.263	0.429	-0.371	-2.944	0.006
	Asset Management	22.206	6.047	0.378	3.672	0.001
	Log(TA)	0.233	0.138	0.228	1.682	0.103
	Total debt/TA	-0.006	0.007	-0.122	-0.926	0.362
a. Dependent Variable: ROA						

$$\text{Model is } ROA = \beta_0 + \beta_1 CR + \beta_2 OE + \beta_2 AM + \beta_2 \text{Bank size} + \beta_2 DR + \varepsilon$$

$$\text{i.e., } ROA = 0.798 - 0.268CR - 1.263OE + 22.206 AM + 0.233\text{Bank Size} - 0.006DR$$

Table 3 MODEL SUMMARY				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	0.885 ^a	0.784	0.748	0.175534727
a. Predictors: (Constant), Total debt/TA, Asset Management, Operational efficiency, Credit risk, Log(TA)				

The adjusted R^2 value in the above Table 3 clearly tells us that 74.8% of variation in the dependent variable (ROA) is explained by the explanatory variables. This indicates a good explanatory power of the regression model.

Table 4 SIGNIFICANCE OF ROA MODEL						
Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	3.355	5	0.671	21.779	0.000 ^b
	Residual	0.924	30	0.031		
	Total	4.280	35			
a. Dependent Variable: ROA						
b. Predictors: (Constant), Total debt/TA, Asset Management, Operational efficiency, Credit risk, Log(TA)						

Table 4 gives the results of the ANOVA technique applied to test our null hypothesis against alternative hypothesis. The sig. value clearly indicates that model is significant at 5% chosen level of significant ($0.000 < 0.05$). Thus, null hypothesis is accepted which states that Credit risk; Operational efficiency, Asset Management, Bank size and Debt Ratio have significant impact on ROA (internal-based financial performance) of selected private sector banks.

Further, the significance of each explanatory variable on ROA can be assessed through t sig value provided in the Table 2. Table 2 tells us that the explanatory variables credit risk, operational efficiency and asset management have significant impact on ROA ($p\text{-values} < 0.05$) whereas Bank size and debt ratio have insignificant effect on ROA ($p\text{-values} > 0.05$).

Second Model

According to second objective, the null may be stated as:

H0: Bank size, credit risk, operational efficiency, asset management and debt ratio have no impact on

Tobin's Q.

Correlations							
		Tobin's Q	Credit risk	Operational efficiency	Asset Management	Log(TA)	Total debt/TA
Tobin's Q	Pearson Correlation	1	-0.512**	0.244	0.038	-0.490**	-0.689**
	Sig. (2-tailed)		0.001	0.151	0.825	0.002	0.000
	N	36	36	36	36	36	36

** Correlation is significant at the 0.01 level (2-tailed)

* Correlation is significant at the 0.05 level (2-tailed)

From Table 5, it is evident that Tobin's Q has positive correlation with operational efficiency and asset management whereas it has negative correlation with other three variables. This indicates that Tobin' Q increases when operational efficiency and asset management value increases whereas with other three variables values decreases. Also, it is clear from the table that Correlation between Tobin's Q and credit risk, Bank size and debt ratio are significant.

Table 6 ESTIMATION OF TOBIN'S Q MODEL						
Model		Unstandardized Coefficients		Standardized Coefficients	T	Sig.
		B	Std. Error	Beta		
2	(Constant)	12.484	5.194		2.404	0.023
	Credit risk	0.004	0.258	0.003	0.017	0.987
	Operational efficiency	-2.212	2.098	-0.199	-1.054	0.300
	Asset Management	-6.183	29.574	-0.032	-0.209	0.836
	Log(TA)	-0.960	0.677	-0.288	-3.418	0.016
	Total debt/TA	-0.104	0.033	-0.616	-3.128	0.004
a. Dependent Variable: Tobin's Q						

As per the estimation, the model can be fit as:

$$\text{Tobin's } Q = \beta_0 + \beta_1 \text{CR} + \beta_2 \text{OE} + \beta_3 \text{AM} + \beta_4 \text{Bank size} + \beta_5 \text{TDT} + \varepsilon$$

$$\text{i.e., Tobin's } Q = 12.484 + 0.004\text{CR} - 2.212\text{OE} - 6.183 \text{AM} - 0.960\text{Bank Size} - 0.104\text{TDT}$$

Table 7 MODEL SUMMARY				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
2	0.717 ^a	0.514	0.433	0.858484908
a. Predictors: (Constant), Total debt/TA, Asset Management, Operational efficiency, Credit risk, Log(TA)				

The adjusted R² value in the above Table 7 clearly tells us that 43.3% of variation in the dependent variable (Tobin's Q) is explained by the explanatory variables. This indicates a reasonably good explanatory power of the regression model.

Table 8 SIGNIFICANCE OF TOBIN'S Q MODEL						
Model		Sum of Squares	Df	Mean Square	F	Sig.
2	Regression	23.376	5	4.675	6.344	0.000 ^b
	Residual	22.110	30	0.737		
	Total	45.486	35			
a. Dependent Variable: Tobin's Q						
b. Predictors: (Constant), Total debt/TA, Asset Management, Operational efficiency, Credit risk, Log(TA)						

Table 8 gives the results of the ANOVA technique applied to test our null hypothesis against alternative hypothesis. The sig. value clearly indicates that model is significant at 5 % chosen level of significant (0.000<0.05). Thus, Credit risk, Operational efficiency, Asset Management, Bank size and debt ratio have significant impact on Tobin' Q (market-based financial performance) of selected private sector banks. Further, the significance of each explanatory variable on Tobin' Q can be assessed through t-sig value provided in the Table 6. It is observed that Bank size and debt ratio have significant impact on Tobin' Q (p-values<0.05) whereas other three variables have insignificant effect on Tobin' Q (p-values>0.05)

Third Model

Table 9 CORRELATION VALUES AMONG ROE, BANK SIZE, OE, CR, AM AND DR							
Correlations							
		ROE	Credit risk	Operational efficiency	Asset Management	Log(TA)	Total debt/TA
ROE	Pearson Correlation	1	-0.790**	0.225	0.271	-0.548**	-0.638**
	Sig. (2-tailed)		0.000	0.187	0.110	0.001	0.000
	N	36	36	36	36	36	36
** Correlation is significant at the 0.01 level (2-tailed)							
* Correlation is significant at the 0.05 level (2-tailed)							

For the third objective of our study, the null hypothesis taken as,

H_0 : Independent variables have no impact on ROE.

From Table 9, it is evident that ROE has positive correlation with operational efficiency and asset management whereas; with other three explanatory variables it has negative correlation. This indicates that ROE increases when operational efficiency and asset management value increases whereas with other three variables values it decreases. Also, it is clear from the table that Correlation between ROE and credit risk, Bank size and debt ratio are significant.

Table 10 ESTIMATION OF ROE						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
3	(Constant)	49.703	12.694		3.915	0.000
	Credit risk	-3.186	0.630	-0.622	-5.060	0.000
	Operational efficiency	-3.123	5.129	-0.077	-0.609	0.547
	Asset Management	263.533	72.287	0.377	3.646	0.001
	Log(TA)	-4.990	1.654	-0.410	-3.018	0.005
	Total debt/TA	0.018	0.081	0.030	0.225	0.823
a. Dependent Variable: ROE						

Estimation shows the model of ROE as

$$ROE = \beta_0 + \beta_1 CR + \beta_2 OE + \beta_2 AM + \beta_2 \text{Bank size} + \beta_2 TDT + \epsilon$$

$$\text{i.e., } ROE = 49.703 - 3.186CR - 3.123OE + 263.533AM - 4.990\text{Bank Size} + 0.018TDT$$

Table 11 MODEL SUMMARY				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
3	0.884 ^a	0.782	0.746	2.098347911
a. Predictors: (Constant), Total debt/TA, Asset Management, Operational efficiency, Credit risk, Log(TA)				

The adjusted R² value in the above Table 11 clearly tells us that 74.6% of variation in the dependent variable (ROE) is explained by the explanatory variables. This indicates a very good explanatory power of the regression model.

Table 12 SIGNIFICANCE OF ROE MODEL						
Model		Sum of Squares	Df	Mean Square	F	Sig.
3	Regression	474.417	5	94.883	21.549	0.000 ^b
	Residual	132.092	30	4.403		
	Total	606.509	35			
a. Dependent Variable: ROE						
b. Predictors: (Constant), Total debt/TA, Asset Management, Operational efficiency, Credit risk, Log(TA)						

Table 12 gives the results of the ANOVA technique applied to test our null hypothesis against alternative hypothesis. The sig. value clearly indicates that model is significant at 5% chosen level of significant ($0.000 < 0.05$). Thus, Credit risk, Operational efficiency, Asset Management, Bank size and debt ratio have significant impact on ROE (the amount of a Bank's income that is returned as shareholder equity) of selected private sector banks. Further, the significance of each explanatory variable on ROE can be assessed through t sig value provided in the Table 10. It shows that explanatory variables Credit risk, asset management and Bank size have significant impact on ROE ($p\text{-values} < 0.05$) whereas other two variables have insignificant effect on ROE ($p\text{-values} > 0.05$).

SUGGESTIONS

- From the overall analysis of financial statements and component wise cost, the company is being looked from all the dimension and finally it can be concluded that economic health is sufficiently strong with huge cash reserve can enable the company for diversification and many other ventures is being processed apart from the main business of coal mining.
- Cost aspect is also registering that the price increase is contained within the level of inflation in spite of many other extraneous factors.
- In my opinion it is a cash rich PSU and should go for diversification meeting all social commitment.
- In global context for its survival and growth many other conditional ties to be complied.
- Under corporate governance more transparency should be maintained and many other commitments to be achieve.

**DISCUSSION
CONCLUSION**

AND

DISCUSSION

Present study elaborately examines the performance of Banks in three ways. First one is internal based performance, second is market based performance and thirdly by a Bank's income that is returned as shareholder equity. The internal based performance is studied by ROA as it is known as profitability or Productivity ratio. ROA can provide banks with a valuable tool to measure their progress against predetermined internal goals. The ROA ratio illustrates how well management or Bank is Employing the company's or Bank's total assets or resources to generate more income (profit). The higher the return, the more efficient management or bank is in utilizing its asset base. ROA measurements include all of a business's assets including those which arise out of liabilities to creditors as well as those which arise out of contributions by investors. The inclusion of liabilities makes ROA even more valuable as an internal measurement tool. Another common internal use for ROA involves evaluating the benefits of investing in a new system versus expanding a current system. The best choice will ideally increase productivity and income as well as reduce asset costs, resulting in an improved ROA ratio. There is a positive correlation of ROA with asset management and bank size whereas, negative correlation with the credit risk, operational efficiency and debt ratio. This indicates that with increase in asset management and bank size, there has been increase in ROA or Bank's performance. Asset management has very strong positive correlation with ROA, as it is logical that with increase in efficient asset management, the return on assets will be higher. In case second model Tobin's Q, it represents the ratio of the market value of a bank's share capital to the replacement cost of the bank's share capital (i.e., ratio of market valuation to the replacement valuation) which reflects profitability. Tobin's Q greater than one implies stock is overvalued. Tobin's Q less than one shows stock is undervalued. To an investor, the over value of stock implies that the market value is higher than the bank's stated book value. i.e., the market is selling the banks' assets higher than its stated book value. So, its stock is more expensive than the costs of its assets and the under value of stock implies that the market value is lower than the bank's stated book value. In other words, the market is selling the bank's assets less than its stated book value. As per current estimation, Tobin's Q is modelled through five variables credit risk, asset management, operational efficiency and bank size and debt ratio. The result in

the Table 6 indicates bank size and debt ratio are key determinants of Tobin's Q. Return on equity (ROE) is one of the key profitability ratios which indicate the amount of net income returned as a percentage of shareholders' equity. It measures a bank's profitability by revealing how much profit a bank generates with the money shareholders have invested. In other words, it can be used for evaluating how effectively a bank's management team is managing the capital that shareholders entrust to it. A higher ROE is expected for high growth banks. Also, the average of ROEs of past years gives a better idea of the historical growth of the bank. Our results in the Table 10 show that the credit risk, asset management and bank size have significant impact on ROE. Operational efficiency and asset management are positively correlated whereas credit risk and bank size are negatively correlated with ROE. This indicates that the value of ROE would be increased for increase in the values of operational efficiency, asset management and for decrease in the values of credit risk and bank size. In the nutshell, the bank size, credit risk, operational efficiency asset management and debt ratio have significant impact on internal performance, market performance and bank income which illustrates the financial performance of the three selected private commercial banks in India.

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