# Students' Performance in Higher Education: A Case Study on Eastern University 

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#### Abstract

: Higher education builds efficient human resources, which advances a nation from all spheres. However, performance of students is significant as it indicates their ability to lead an organization. The objective of this study is to find out impact of past academic results, demographics and geographic factors on BBA result. Three hundred undergraduate students of faculty of Business Administration in Eastern University have been selected as respondent. Data were reduced in appropriate modeling analysis in SPSS software and stepwise multiple regression method was applied. Results showed that SSC result has positive impact on BBA result and Contribution in BBA result from both SSC and HSC, Contribution in result from HSC to BBA, Contribution in result from SSC to HSC, Students who come from Dhaka, and Gap from HSC to BBA have negative impact on BBA result. This study will help policymakers of universities to improve BBA result precisely.


Key words: Students performance, Higher education, Dependent variable, Independent variable.

## Introduction

Education is imperative for the development of any nation today. It is such a technology that gets out people from darkness into light. It is the quality of education that shapes the long-term prosperity and well being of both the nation and its people. The vast resources that government allocates to this sector make it imperative for those who manage education to ensure that education is effectively imparted in schools, universities and institutions of learning ( Uddin, 2000).

Parents also spend money for carrying out their children's education. However, higher education is not accessible to all citizens in a country like Bangladesh. Public universities cannot accommodate all the students who wish to have higher education. So, private universities were established. In private universities, business schools have become so established as part of the educational and business worlds that their purposes are rarely a subject of reflection, perhaps especially for those of us who teach them (Grey, 2002). Undergraduate business education is a qualitatively different phenomenon. One distinction is that, arguably, the focus of management education is much clearer, as are the motivations of those who seek it. While postgraduate students may well be as instrumental in their original approach to course of study, reflecting an increasingly credentialized world of work (Mutch, 1997).

[^0]Seeing the success of business graduates in the corporate world a question might arise why employers are appointing a graduate from business school. The answer to this question would be that business schools supply people who are technically equipped to manage better as a result of their BBA and MBA (and other qualifications), so they are hired by companies, which, in turn, perform better, contributing to the economic competitiveness of nations (Grey, 2002). While business education is only one of several departments in the school which contribute to consumer education, it assumes a large share of the responsibility because its content is a natural vehicle for consumer education. As Adam Smith pointed out in 1776, the sole purpose of production is to accommodate the interests and desires of the consumer (Daughtrey, 1967). In addition, teachers have great role in creating better human resources in society. Therefore, when we, as a producer, prepare a student to enter the labor market, we must also prepare $\mathrm{him} /$ her to be an effective consumer of the goods and services which result from his/her and others' production (Daughtrey, 1967). This production and success of business graduate depends on their performance in education, their results, presentation skills, convincing skills and overall smart personality. Students result and feedback play an important role in individual behavior and performance (Ashford and Tsui, 1991). Be it positive or negative, it is inherently affective (Ashford and Cummings, 1983). There is a research gap about student performance in higher education in Bangladesh. The article is expected to fulfill this gap.

## Literature Review

Many students enter a higher education environment with little preparation, having little idea of what to expect and little understanding of how the university environment can affect their lives (Upcraft \& Gardner, 1989). This can result in an inability to make the necessary academic, social and personal adjustments to life at university in general and inhibit them from making commitments to their course and institution. In practice, many incoming students adopt a 'wait and see' attitude to their forthcoming university experience (Astin, 1975). When universities do not help incoming students form realistic expectations of themselves and of their institution, the demands of the new environment can be overwhelming (Levitz \& Noel, 1989). In most cases, mismatches between expectations and reality are dysfunctional in nature (McInnis et al., 1995). These are the probable causes of unexpected performance in higher level.

Other inaccurate prior perceptions relate to the amount of time spent in lectures and study and the belief that the nature of learning would not differ too much from that experienced in secondary school (Cook \& Leckey, 1999). Success is also dependent on the individual attributes of new students. Academic ability which he or she has acquired in past is probably the single most important determinant of success, but Yorke (1998) has shown that gender is also an important factor, with males more likely than females to report having more difficulty with aspects of study. Additionally, age has been shown to have a bearing on the nature of problems experienced (Power et al., 1987; Johnston,

1994; Ozga \& Sukhnandan, 1998; Yorke, 1998). In general, older students who have break in study tend to make better choices and be more focused than younger students, but are more likely to be adversely affected by domestic commitments (Farr, 1994; Ozga \& Sukhnandan, 1998). Younger students tend to be more dissatisfied with the quality of teaching and with aspects of the study environment (Yorke, 1998). School leavers have been found to be less diligent in their study habits and less academically orientated than older students (Power et al., 1987). Youth and inexperience characterize those students who leave through academic failure (Johnston, 1994). Students who live at home also find it more difficult to integrate into campus life (Woodward \& Bradshaw, 1989). In this study age of the students has not been considered as gap in study and admission year reflects the same function.

There is a tremendous amount of research on college student development showing that the time and energy students devote to educationally purposeful activities is the single best predictor of their learning and personal development (Astin, 1993; Pace, 1979; Pascarella \& Terenzini, 1991, 2005). Over the years, Astin has refined his model of student development, and in 1993 he revisited his 1977 study, again using data from the Higher Education Research Institute's Cooperative Institutional Research Program (CIRP) studies. The 1993 study identified six critical environmental variables: institutional characteristics, peer group, faculty, curriculum, major, financial aid, residence, and level of involvement, again, he emphasized on past academic performance and demographics factors on higher education performance. Most of the researchers found that students' previous behavior is a good predictor of future behavior (Camara, 2005) and researchers are beginning to develop instruments to measure these non-cognitive factors as admission criteria ( Thomas, Kuncel, \& Crede, 2007).
Previous research has suggested that graduate school performance is multidimensional (Enright \& Gitomer, 1989; Reilly, 1974). Extending Campbell's model of work performance (Camp- bell, 1990; Campbell et al., 1996) to the graduate school setting (Campbell, Kuncel, \& Oswald, 1998) also proves the idea that students' past academic performance is a vital element which influence higher education. GGPA and Ist-year GGPA are the most widely used measures of graduate school performance. GGPA has a number of advantages and disadvantages as a criterion measure. In its favor, GGPA measures long-term work, knowledge acquisition, effort, persistence, and ability. It is also related to post-school success (Hoyt, 1966; Roth, BeVier, Switzer, \& Schippmann, 1996). Not favoring GGPA is the fact that grading standards can differ widely across schools, departments, and even faculty teaching the same course (Hartnett \& Willingham, 1980). The final moderator examined was student age. Older students are likely to differ from more traditional students in work experience, time away from school, and family obligations.

## Objective

The broad objective of this research paper is "To find out impact of past academic results, demographic and geographic factors on BBA results". For this study purpose, past academic results included the following factors: SSC result, HSC result, BBA result, Contribution in BBA result from both SSC and HSC, Contribution in result from HSC to BBA, Admitted just after getting result. Demographic factors included Students' gender, Guardian gender, Guardian profession, Students' own house. Geographic factors included Students native area, Students who come from Dhaka, Student who come from outside Dhaka, School area and College area. The factors have been selected on the availability of the data.

## Methodology

This is a descriptive research in nature. Both primary and secondary data have been used for conducting the research. The study is based on 300 undergraduate students studying
in the Faculty of Business Administration, at Eastern University. The sample can be considered to be representative. $1^{\text {st }}$ to 15 th batch students who have got admitted from summer 2003 to Fall 2007 are included among the 300 respondents. A structured questionnaire was used to gather the primary information. Only those students were selected for the study who completed at least 36 credits.

## Results And Discussions

Multiple regressions tell how well each independent variable predicts the dependent variable, controlling for each of the other independent variables. In this study, the regression would tell how well SSC result, predicted student BBA result, controlling for HSC result, own house, gap in study and so on as well as how well HSC result, predicted student BBA Result, controlling for SSC result, own house, gap in study and so on.

Stepwise is the statistical method that has been adopted for analyzing data in this study. In this method, each variable is entered in sequence and its value assessed. If adding the variable contributes to the model then it is retained, but all other variables in the model are then retested to see if they are still contributing to the success of the model. If they no longer contribute significantly they are removed. Thus, this method should ensure that end up with the smallest possible set of predictor variables included in model.

Table 1: Model Summary of Students performance in Higher Education

| Model | R | R <br> Square | Adjusted <br> R Square | Std. <br> Error of the | Change Statistics |  |  |  |  | Durbin- <br> Watson |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | F Change | df1 | df2 | Sig.F Change |  |
| 1 | . 418 (a) | . 175 | . 172 | 1.657 | . 175 | 63.142 | 1 | 298 | . 000 |  |
| 2 | . 612 (b) | . 374 | . 370 | 1.446 | . 199 | 94.588 | 1 | 297 | . 000 |  |
| 3 | . 705 (c) | . 497 | . 492 | 1.298 | . 123 | 72.554 | 1 | 296 | . 000 |  |
| 4 | . 729 (d) | . 532 | . 526 | 1.254 | . 035 | 21.908 | 1 | 295 | . 000 |  |
| 5 | . 748 (e) | . 559 | . 552 | 1.220 | . 027 | 17.938 | 1 | 294 | . 000 |  |
| 6 | . 753 (f) | . 567 | . 559 | 1.210 | . 008 | 5.712 | 1 | 293 | . 017 | 1.844 |

a Predictors: (Constant), Contribution in BBA result from both SSC and HSC
b Predictors: (Constant), Contribution in BBA result from both SSC and HSC, Result (SSC)
c Predictors: (Constant), Contribution in BBA result from both SSC and HSC, Result (SSC), Contribution in result from HSC to BBA
d Predictors: (Constant), Contribution in BBA result from both SSC and HSC, Result (SSC), Contribution in result from HSC to BBA, Contribution in result from SSC to HSC
e Predictors: (Constant), Contribution in BBA result from both SSC and HSC, Result (SSC), Contribution in result from HSC to BBA, Contribution in result from SSC to HSC, Students who come from Dhaka
f Predictors: (Constant), Contribution in BBA result from both SSC and HSC, Result (SSC), Contribution in result from HSC to BBA, Contribution in result from SSC to HSC, Students who come from Dhaka, Gap from HSC to BBA
g Dependent Variable: Result (BBA)
The dependent variable in this linear regression analysis is "BBA result" and Contribution in BBA result from both SSC and HSC, Result (SSC), Contribution in result from HSC to BBA, Contribution in result from SSC to HSC, Students who come from Dhaka, Gap from HSC to BBA have been treated as independent variables.

In model 1, which included only contribution in BBA result from both SSC and HSC accounted for $17 \%$ of the variance (Adjusted $\mathrm{R}^{2}=0.172$ ). The inclusion of SSC result into model 2 resulted in an additional $20 \%$ of the variance being explained $\left(\mathrm{R}^{2}\right.$ change $=$ $0.199)$. The model 3 also included Contribution in result from HSC to BBA, and this model accounted for $49 \%$ of the variance (Adjusted $\mathrm{R}^{2}=0.492$ ). The model 4 includes Contribution in result from SSC to HSC, and this model accounted for $52 \%$ of the variance (Adjusted $\mathrm{R}^{2}=0.526$ ). The model 5 includes students who come from Dhaka and this model accounted for $55 \%$ of the variance (Adjusted $\mathrm{R}^{2}=0.552$ ). The inclusion of gap from HSC to BBA into model 6 resulted in an additional $0.08 \%$ of the variance being explained $\left(\mathrm{R}^{2}\right.$ change $\left.=0.008\right)$. $($ Table-1 $)$.

Many scholars use Cohen's criteria for identifying whether the relationship between dependent and independent variable is strong or weak (Cohen, 1983). Applying Cohen's criteria for effect size (less than $.01=$ trivial; .01 up to $0.30=$ weak; .30 up to $.50=$ moderately strong;. 50 or greater $=$ strong), the relationship in this study was correctly characterized as strong (Multiple $\mathrm{R}=.753$ ).

Note that the unadjusted multiple R for this data is .753 , but that the adjusted multiple R is .559 . This rather large change is due to the fact that a relatively small number of observations are being predicted with a relatively large number of variables. The unadjusted value of $R^{2}$ means that all subsets of predictor variables will have a value of multiple $R$ that is smaller than .753. (Table-1)

## Histogram

Dependent Variable: Result (BBA)


Regression Standardized Residual

Figure 1: Visual identification of the shape of Normal distribution

## Normal P-P Plot of Regression Standardized Residual



Observed Cum Prob
Figure 2: Normal Probability Plot of the Standardized Regression Residual
Figure $1 \& 2$ shows that histogram normal probability plot do not indicate any departure from the assumptions and dependent variable is normally distributed. Darper and Smith (1981) found same result. These statistics on residual would make relatively confident that including them would not seriously limit the use of the model.

Table 2: ANOVA Table of Students performance in Higher Education

| Model |  | Sum of Squares | df | Mean Square | F | Sig. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Regression | 173.383 | 1 | 173.383 | 63.142 | .000(a) |
|  | Residual | 818.283 | 298 | 2.746 |  |  |
|  | Total | 991.667 | 299 |  |  |  |
| 2 | Regression | 371.039 | 2 | 185.519 | 88.780 | .000(b) |
|  | Residual | 620.628 | 297 | 2.090 |  |  |
|  | Total | 991.667 | 299 |  |  |  |
| 3 | Regression | 493.216 | 3 | 164.405 | 97.631 | .000(c) |
|  | Residual | 498.450 | 296 | 1.684 |  |  |
|  | Total | 991.667 | 299 |  |  |  |
| 4 | Regression | 527.675 | 4 | 131.919 | 83.872 | .000(d) |
|  | Residual | 463.992 | 295 | 1.573 |  |  |
|  | Total | 991.667 | 299 |  |  |  |
| 5 | Regression | 554.357 | 5 | 110.871 | 74.538 | .000(e) |


|  | Residual | 437.309 | 294 | 1.487 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | 991.667 | 299 |  |  |  |
|  | Regression | 562.719 | 6 | 93.787 | 64.063 | $.000(\mathrm{f})$ |
|  | Residual | 428.947 | 293 | 1.464 |  |  |
|  | Total | 991.667 | 299 |  |  |  |

a Predictors: (Constant), Contribution in BBA result from both SSC and HSC
b Predictors: (Constant), Contribution in BBA result from both SSC and HSC, Result (SSC)
c Predictors: (Constant), Contribution in BBA result from both SSC and HSC, Result (SSC), Contribution in result from HSC to BBA
d Predictors: (Constant), Contribution in BBA result from both SSC and HSC, Result (SSC), Contribution in result from HSC to BBA, Contribution in result from SSC to HSC
e Predictors: (Constant), Contribution in BBA result from both SSC and HSC, Result (SSC), Contribution in result from HSC to BBA, Contribution in result from SSC to HSC, Students who come from Dhaka
f Predictors: (Constant), Contribution in BBA result from both SSC and HSC, Result (SSC), Contribution in result from HSC to BBA, Contribution in result from SSC to HSC, Students who come from Dhaka, Gap from HSC to BBA

## g Dependent Variable: Result (BBA)

Residuals are the difference between obtained and predicted dependent variable scores. The output for Residual displays information about the variation that is not accounted for by the model. A model with a large regression sum of squares in comparison to the residual sum of squares indicates that the model accounts for most of variation in the dependent variable. A model with a large regression sum of squares (428.947) in comparison to the residual sum of squares (562.719) in model 6 indicates that the model accounts for most of variation in the dependent variable. Here, Model 1, 2, 3 have a large

Table 3: Summary Statistics of Students Performance in Higher Education

| M <br> o <br> d <br> e <br> I |  | Unstandardized Coefficients |  | Standa rdized Coeffic ients | t | Sig. | 95\% Confidence Interval for B |  | Correlations |  |  | Collinearity Statistics |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | B | Std. <br> Error | Beta |  |  | Lower Bound | Upper Bound | Zeroorder | Partial | Part | Tole ance | VIF |
| 1 | (Constant) | 7.914 | . 375 |  | 21.109 | . 000 | 7.176 | 8.651 |  |  |  |  |  |
|  | Contribution in BBA result from both SSC and HSC | -1.681 | . 212 | -. 418 | -7.946 | . 000 | -2.098 | -1.265 | -. 418 | -. 418 | -. 418 | 1.000 | 1.000 |
| 2 | (Constant) | 6.162 | . 373 |  | 16.504 | . 000 | 5.427 | 6.897 |  |  |  |  |  |
|  | Contribution in BBA result from both SSC and HSC | -1.968 | . 187 | -. 489 | -10.527 | . 000 | -2.335 | -1.600 | -. 418 | -. 521 | -. 483 | . 975 | 1.025 |
|  | Result (SSC) | . 305 | . 031 | . 452 | 9.726 | . 000 | . 244 | . 367 | . 375 | . 491 | . 446 | . 975 | 1.025 |
| 3 | (Constant) | 8.601 | . 441 |  | 19.511 | . 000 | 7.733 | 9.468 |  |  |  |  |  |
|  | Contribution in BBA result from both SSC and | -2.257 | . 171 | -. 561 | -13.184 | . 000 | -2.594 | -1.920 | -. 418 | -. 608 | -. 543 | . 937 | 1.067 |


|  | HSC |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Result (SSC) | . 296 | . 028 | . 438 | 10.499 | . 000 | . 241 | . 352 | . 375 | . 521 | . 433 | . 974 | 1.027 |
|  | Contribution in result from HSC to BBA | -. 855 | . 100 | -. 359 | -8.518 | . 000 | -1.053 | -. 658 | -. 274 | -. 444 | -. 351 | . 956 | 1.046 |
| 4 | (Constant) | 9.660 | . 482 |  | 20.025 | . 000 | 8.711 | 10.609 |  |  |  |  |  |
|  | Contribution in BBA result from both SSC and HSC | -2.471 | . 172 | -. 615 | -14.396 | . 000 | -2.809 | -2.133 | -. 418 | -. 642 | -. 573 | . 870 | 1.149 |
|  | Result (SSC) | . 341 | . 029 | . 505 | 11.803 | . 000 | . 284 | . 398 | . 375 | . 566 | . 470 | . 865 | 1.156 |
|  | Contribution in result from HSC to BBA | -. 852 | . 097 | -. 358 | -8.780 | . 000 | -1.043 | -. 661 | -. 274 | -. 455 | -. 350 | . 956 | 1.046 |
|  | Contribution in result from SSC to HSC | -. 477 | . 102 | -. 202 | -4.681 | . 000 | -. 678 | -. 277 | . 060 | -. 263 | -. 186 | . 849 | 1.179 |
| 5 | (Constant) | 9.670 | . 469 |  | 20.612 | . 000 | 8.747 | 10.593 |  |  |  |  |  |
|  | Contribution in BBA result from both SSC and HSC | -2.402 | . 168 | -. 597 | -14.319 | . 000 | -2.732 | -2.072 | -. 418 | -. 641 | -. 555 | . 862 | 1.160 |
|  | Result (SSC) | . 338 | . 028 | . 501 | 12.030 | . 000 | . 283 | . 394 | . 375 | . 574 | . 466 | . 865 | 1.156 |
|  | Contribution in result from HSC to BBA | -. 811 | . 095 | -. 340 | -8.545 | . 000 | -. 997 | -. 624 | -. 274 | -. 446 | -. 331 | . 946 | 1.057 |
|  | Contribution in result from SSC to HSC | -. 435 | . 100 | -. 185 | -4.367 | . 000 | -. 631 | -. 239 | . 060 | -. 247 | -. 169 | . 840 | 1.190 |
|  | Students who come from Dhaka | -. 332 | . 078 | -. 166 | -4.235 | . 000 | -. 486 | -. 178 | -. 237 | -. 240 | -. 164 | . 976 | 1.024 |
| 6 | (Constant) | 9.621 | . 466 |  | 20.652 | . 000 | 8.704 | 10.538 |  |  |  |  |  |
|  | Contribution in BBA result from both SSC and HSC | -2.396 | . 166 | -. 596 | -14.397 | . 000 | -2.723 | -2.068 | -. 418 | -. 644 | -. 553 | . 862 | 1.160 |
|  | Result (SSC) | . 358 | . 029 | . 529 | 12.313 | . 000 | . 300 | . 415 | . 375 | . 584 | . 473 | . 799 | 1.252 |
|  | Contribution in result from HSC to BBA | -. 814 | . 094 | -. 342 | -8.651 | . 000 | -. 999 | -. 629 | -. 274 | -. 451 | -. 332 | . 946 | 1.058 |
|  | Contribution in result from SSC to HSC | -. 444 | . 099 | -. 188 | -4.485 | . 000 | -. 638 | -. 249 | . 060 | -. 253 | -. 172 | . 839 | 1.192 |
|  | Students who come from Dhaka | -. 323 | . 078 | -. 162 | -4.156 | . 000 | -. 477 | -. 170 | -. 237 | -. 236 | -. 160 | . 974 | 1.026 |
|  | Gap from HSC to BBA | -. 184 | . 077 | -. 096 | -2.390 | . 017 | -. 336 | -. 033 | . 009 | -. 138 | -. 092 | . 912 | 1.096 |

a Dependent Variable: Result (BBA)
residual sum of squares than regression sum of squares. However, Model 4, 5, 6 have large regression sum of squares in comparison to the residual sum of squares indicates that the model accounts for most of variation in the dependent variable. As the significance value of the F statistic is small (smaller than 0.05 ) then the independent variables did a good job explaining the variation in the dependent variable. (Table-2)
Table-3 shows that Result (SSC) has impact on BBA result whereas Contribution in BBA result from both SSC and HSC, Contribution in result from HSC to BBA, Contribution in result from SSC to HSC, Students who come from Dhaka and Gap from HSC to BBA have negative impact. It can be shown in the following way:

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Model 1: BBA= 7.914-1.68 both SSC and HSC \(\quad \mathrm{R}^{2}=.175\), Sig. of \(\mathrm{F}=.000\)
    (.375) (.212) ( P value \(<.001\) )
Model 2: \(\mathrm{BBA}=6.162-1.968\) both SSC and \(\mathrm{HSC}+.305 \mathrm{SSC}, \mathrm{R}^{2}=.374\), Sig. of \(\mathrm{F}=.000\)
    (.373) (.187) (.031) \(\quad(\mathrm{P}\) value \(<.001)\)
Model 3: BBA \(=8.601-2.257\) both SSC and HSC +.296 SSC
    (.441) (.171) (.028)
    -. 855 HSC to BBA \(\quad, \mathrm{R}^{2}=.497\), Sig. of \(\mathrm{F}=.000\)
    (.100) \(\quad(\mathrm{P}\) value \(<.001)\)
Model 4: \(\mathrm{BBA}=9.660-2.471\) both SSC and HSC +.341 SSC
    (.482) (.172) (.029)
    -. 852 HSC to BBA - 477 SSC to HSC \(\quad, \mathrm{R}^{2}=.532\), Sig. of \(\mathrm{F}=.000\)
        (.097) (.102) ( P value \(<.001\) )
Model 5: BBA \(=9.670-2.402\) both SSC and HSC+ +338 SSC -.811 HSC to BBA
    (.469) (.168) (.028) (.095)
    -.435 SSC to HSC- .332 Students from Dhaka, \(\mathrm{R}^{2}=.559\), Sig. of \(\mathrm{F}=.000\)
        (.078) (.100) (P value \(<.001\) )
Model 6: BBA= 9.621-2.396 both SSC and HSC+ .358 SSC -.814 HSC to BBA
    (.466) (.166)
    (.029)
        (.094)
    -. 444 SSC to HSC- . 323Students from Dhaka
        (.099) (.078)
        -. 184 Gap from HSC to BBA
        (.077)
        , \(\mathrm{R}^{2}=.567\), Sig. of \(\mathrm{F}=.000\)
    ( P value \(<.001\) )
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The $F$ ratio is highly significant at the 0.001 level, which means that the results of the regression model could hardly have occurred by chance. The fitted regression model also shows that Contribution in BBA result from both SSC and HSC, Contribution in result from HSC to BBA, Contribution in result from SSC to HSC, Students come from, Students who come from Dhaka have negative impact on BBA result whereas result (SSC) has positive impact on BBA result. (Table-3)
The Standardized Beta Coefficients give a measure of the contribution of each variable to the model. A large value indicates that a unit change in this independent variable has a large effect on the dependent variable. In this study, Result (SSC) has big absolute $t$ value (.529) suggests changing result in SSC contributes more in BBA result. (Table-3)
The $t$ statistics can help to determine the relative importance of each variable in the model. If the significance value is small (less than says 0.05 ) then the coefficient is considered significant. The partial correlation is the correlation of each independent variable with the dependent variable after removing the linear effect of variables already in the model. Collinearity (or multicollinearity) is the undesirable situation where the
correlations among the independent variables are strong. Tolerance is a statistic used to determine how much the independent variables are linearly related to one another (multicollinear). A variable with very low tolerance contributes little information to a model, and can cause computational problems. VIF or the variance inflation factor is the reciprocal of the tolerance. As the variance inflation factor increases, so does the variance of the regression coefficient, making it an unstable estimate. Large VIF values are an indicator of multicollinearity. The tolerance values for all of the independent variables are larger than 0.10: "Result (SSC)" [0.799] "Contribution in result from SSC to HSC" (0.839), "Contribution in BBA result from both SSC and HSC (0.862), Gap from HSC to BBA" (0.912), "Contribution in result from HSC to BBA" (0.946), "Students who come from Dhaka" (0.974). Multicollinearity is not a problem in this regression analysis(Table-3).

## Conclusions

Private universities have opened a greater scope for the students who do not get opportunity to study in a public University. Generally, it is assumed that public universities are producing more efficient employees for corporate sectors in comparison to private universities. However, students studying in private universities are also proving themselves as creative and good quality candidates and standing out the crowd. The performance in higher education, especially undergraduate level determine whether students will be able to place themselves in reputed corporate houses. Several factors create impact on BBA result, among them SSC result is significant whereas Contribution in BBA result from both SSC and HSC, Contribution in result from HSC to BBA, Contribution in result from SSC to HSC, Students who come from Dhaka and Gap from HSC to BBA have negative impact on BBA result. Students own house, school and college area, students who come from Dhaka, gender, getting, admission after results, guardian professions do not have impact on BBA result. This study will help to determine policy regarding students' admission to university so that the university can produce best business graduate.

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