

Table 1

Descriptive Statistics for 2003-2004 BGSU Students with E-Portfolio Artifacts

Characteristic	Graduate Students (N=34)		Undergraduate Students (N=41)	
	<u>N</u>	%	N	%
Race/Ethnicity				
Black	1	2.9%	2	4.9%
Hispanic	2	5.8%	0	0.0%
White	29	85.3%	37	90.2%
Other	2	5.8%	1	2.4%
Unknown	0	0.0%	1	2.4%
Sex				
Female	22	64.7%	30	73.2%
Male	12	35.3%	11	26.8%
College				
Arts and Sciences	0	0.0%	5	12.2%
Business Administration	0	0.0%	0	0.0%
Education and Human Development	0	0.0%	21	51.2%
Graduate	34	100.0%	0	0.0%
Health and Human Services	0	0.0%	0	0.0%
Musical Arts	0	0.0%	12	29.3%
Technology	0	0.0%	2	4.9%
Non-Degree	0	0.0%	1	2.4%

Class Rank					
Freshman	0	0.0%	1	2.4%	
Sophomore	0	0.0%	7	17.1%	
Junior	0	0.0%	20	48.8%	
Senior	0	0.0%	7	17.1%	
Undergraduate Non-Degree	0	0.0%	1	2.4%	
Masters	32	94.1%	0	0.0%	
Doctoral	2	5.9%	0	0.0%	
Academic Status					
Dean's List			24	58.5%	
Good Standing			16	39.0%	
Warning			0	0.0%	
Probation			0	0.0%	
Suspension			0	0.0%	
not applicable	34	100.0%	1	2.4%	
Living Arrangements					
On-Campus	0	0.0%	12	29.3%	
Off-Campus	34	100.0%	29	70.7%	
Retention to Fall 2004					
Retained	3	8.8%	35	85.4%	
Not Retained	0	0.0%	2	4.9%	
Graduated	31	91.2%	4	9.8%	

Characteristic	<u>M</u>	<u>SD</u>	<u>M</u>	<u>SD</u>
High School Grade Point Average			3.43	0.40
ACT Score			23.54	4.38
GRE Verbal Score	476.47	72.44		
GRE Math Score	509.71	120.57		
GRE Analytic Score	576.06	121.06		
Age	27.51	8.06	21.67	3.33
Number of Showcase Artifacts	8.35	5.26	2.56	2.21
Number of Matrix Artifacts	0.15	0.56	3.22	2.65
Number of Years Represented in the Matrix	0.09	0.29	1.34	0.94
Number of Reflections	0.00	0.00	0.20	0.56
Number of Media Types Included	0.94	0.24	1.61	0.86

Table 2

Mean Differences in Spring 2004 Cumulative Grade Point Average and Credit Hours Earned Between Students With and Without Portfolio Artifacts

Group	Graduate Students				Undergraduate Students			
	<u>M</u>	<u>SD</u>	<u>df</u>	<u>t</u>	<u>M</u>	<u>SD</u>	<u>df</u>	<u>t</u>
Grade Point Average								
Students with Portfolio Artifacts	3.69	0.27	66	-0.43	3.13	0.60	78	2.09*
Students Without Portfolio Artifacts	3.72	0.32			3.02	0.63		
Credit Hours Earned								
Students with Portfolio Artifacts	51.18	12.35	66	5.80***	98.72	30.09	78	3.48**
Students Without Portfolio Artifacts	29.56	17.88			75.72	28.96		

* $p < .05$. ** $p < .01$. *** $p < .001$.

Table 3

Difference in Retention Rates to Fall 2004 for Undergraduate Students With and Without Portfolio Artifacts

	Retained (N = 74)	Not Retained (N = 3)	χ^2 (1)
Students with Portfolio Artifacts	35 (94.6%)	2 (5.4%)	.433
Students Without Portfolio Artifacts	39 (97.5%)	1 (2.5%)	

Table 4

Summary of Logistic Regression Analysis Predicting Retention For Undergraduate Students

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>
Number of Showcase Artifacts	- 0.16	0.34	.228
Number of Matrix Artifacts	0.14	0.49	.086
Number of Years Represented in the Matrix	0.32	1.34	.057
Number of Reflections	17.04	14423.73	.000
Number of Media Types Included	- 0.17	1.21	.020

Table 5

Correlations of Spring 2004 Cumulative Grade Point Average and Credit Hours Earned With Artifact Measures

<u>Artifact Measure</u>	Graduate Students		Undergraduate Students	
	Grade Point Average	Credit Hours Earned	Grade Point Average	Credit Hours Earned
Number of Showcase Artifacts	.094	-.118	-.169	.154
Number of Matrix Artifacts	-.091	.124	.175	-.055
Number of Years Represented in the Matrix	-.033	.260	.062	.174
Number of Reflections			.030	.298
Number of Media Types Included	-.098	-.007	.216	-.017

Table 6

Summary of Logistic Regression Analysis Predicting Retention For Undergraduate Students After Controlling for Gender, Race, Age, High School Grade Point Average, College, and Living Arrangements

Predictor	<u>B</u>	<u>SE</u>	<u>Wald</u>
Gender (Female)	34.90	14049.31	.000
Race (Student of Color)	131.42	51734.77	.000
Age	-19.40	6209.45	.000
High School GPA	72.87	7805.60	.000
College: Arts and Sciences	-55.24	64434.89	.000
College: Education and Human Development	-56.59	69118.93	.000
College: Musical Arts	-32.13	43331.90	.000
College: Technology	-31.41	55769.26	.000
Living Arrangements (On-Campus)	-79.97	48819.39	.000
Portfolio Group (With Portfolio Artifacts)	-31.84	14370.85	.000

Table 7

Summary of Regression Analysis Predicting Spring 2004 Cumulative Grade Point Average for Graduate Students After Controlling for Gender, Race, Age, and GRE Scores

Predictor	<u>B</u>	<u>SE</u>	<u>B</u>
Gender (Female)	0.24	.09	.37*
Race (Student of Color)	-0.27	.13	-.34
Age	.00	.01	.09
GRE Verbal Score	.00	.00	-.04
GRE Mathematics Score	.00	.00	.10
GRE Analytical Score	.00	.00	.43*
Portfolio Group (With Portfolio Artifacts)	-0.05	.09	-.08

Note. $R^2 = .47$ ($N = 68$, $p < .01$).

* $p < .05$.

Table 8

Summary of Regression Analysis Predicting Spring 2004 Cumulative Grade Point Average for Undergraduate Students After Controlling for Gender, Race, Age, High School Grade Point Average, ACT Score, College, and Living Arrangements

Predictor	<u>B</u>	<u>SE</u>	<u>B</u>
Gender (Female)	-0.06	.20	-.04
Race (Student of Color)	0.04	.33	.01
Age	-0.05	.04	-.11
High School Grade Point Average	0.50	.16	.33**
ACT Score	0.02	.02	.09
College: Arts and Sciences	-0.94	.29	-.42**
College: Education and Human Development	0.06	.15	.05
College: Technology	-0.20	.32	-.06
Living Arrangements (On Campus)	0.19	.21	.11
Portfolio Group (With Portfolio Artifacts)	0.17	.14	.14

Note. $R^2 = .54$ ($N = 82$, $p < .001$).

* $p < .05$. ** $p < .01$.

Table 9

Summary of Regression Analysis Predicting Spring 2004 Cumulative Credit Hours Earned for Graduate Students After Controlling for Gender, Race, Age, and GRE Scores

Predictor	<u>B</u>	<u>SE</u>	<u>B</u>
Gender (Female)	1.99	3.82	.08
Race (Student of Color)	3.30	5.57	.10
Age	0.19	0.29	.11
GRE Verbal Score	0.01	0.03	.06
GRE Mathematics Score	- 0.02	0.02	-.17
GRE Analytical Score	0.02	0.02	.14
Portfolio Group (With Portfolio Artifacts)	17.70	3.92	.64***

Note. $R^2 = .44$ ($N = 68$, $p < .01$).

* $p < .05$. ** $p < .01$. *** $p < .001$.

Table 10

Summary of Regression Analysis Predicting Spring 2004 Cumulative Credit Hours Earned for Undergraduate Students After Controlling for Gender, Race, Age, High School Grade Point Average, ACT Score, College, and Living Arrangements

Predictor	<u>B</u>	<u>SE</u>	<u>B</u>
Gender (Female)	- 6.62	8.85	-.10
Race (Student of Color)	39.89	14.35	.30**
Age	5.76	1.91	.33**
High School Grade Point Average	- 1.63	7.12	-.03
ACT Score	1.30	0.96	.15
College: Arts and Sciences	-31.11	12.71	-.33*
College: Education and Human Development	11.53	6.41	.21
College: Technology	26.70	14.06	.20
Living Arrangements (On Campus)	- 5.99	8.99	-.08
Portfolio Group (With Portfolio Artifacts)	22.07	5.92	.41***

Note. $R^2 = .50$ ($N = 82$, $p < .001$).

* $p < .05$. ** $p < .01$. *** $p < .001$.