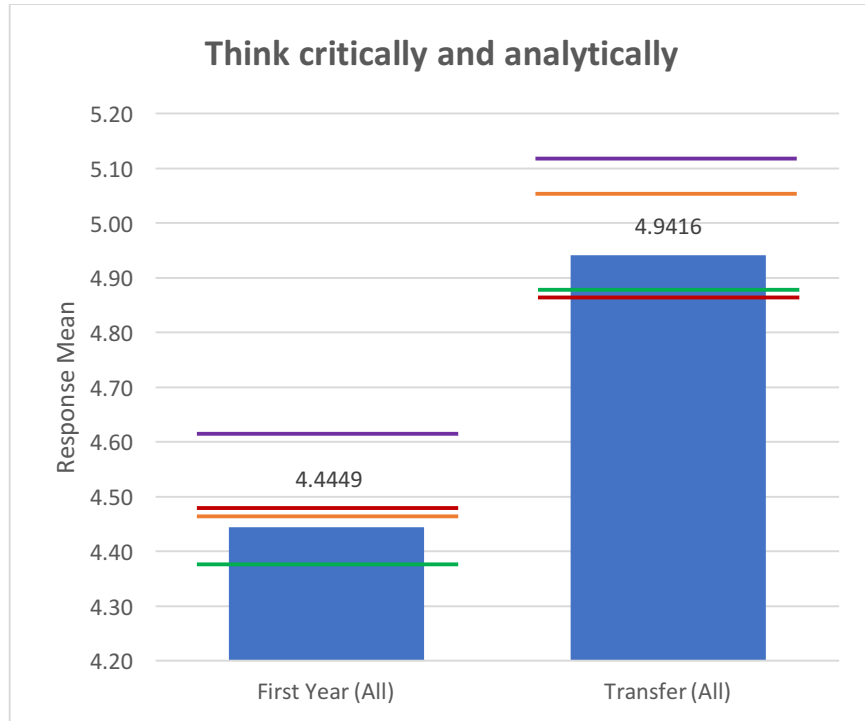


**Beginning College Survey of Student Engagement (BCSSE) 2019**  
 California State University East Bay  
 Quantitative Reasoning Related BCSSE Questions

**Question 20c: How prepared are you to do the following in your academic work at this institution?**



	Mean	Effect Size	Mean	Effect Size
All CSUEB First Years	4.4449		All CSUEB Transfers	4.9416
<b>First Generation</b>	4.3839		<b>First Generation</b>	4.8866
<b>Not First Generation</b>	4.6189	-0.2254 ***	<b>Not First Generation</b>	5.1111 -0.2256 *
<b>Grades A- or higher</b>	4.4612		<b>Grades A- or higher</b>	5.0556
<b>Grades B+ or lower</b>	4.4668	-0.0053	<b>Grades B+ or lower</b>	4.8828 0.1724

**Statistical comparisons:** Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (\*p < .05, \*\*p < .01, \*\*\*p < .001). Significance levels indicate the probability that an observed difference is due to chance.

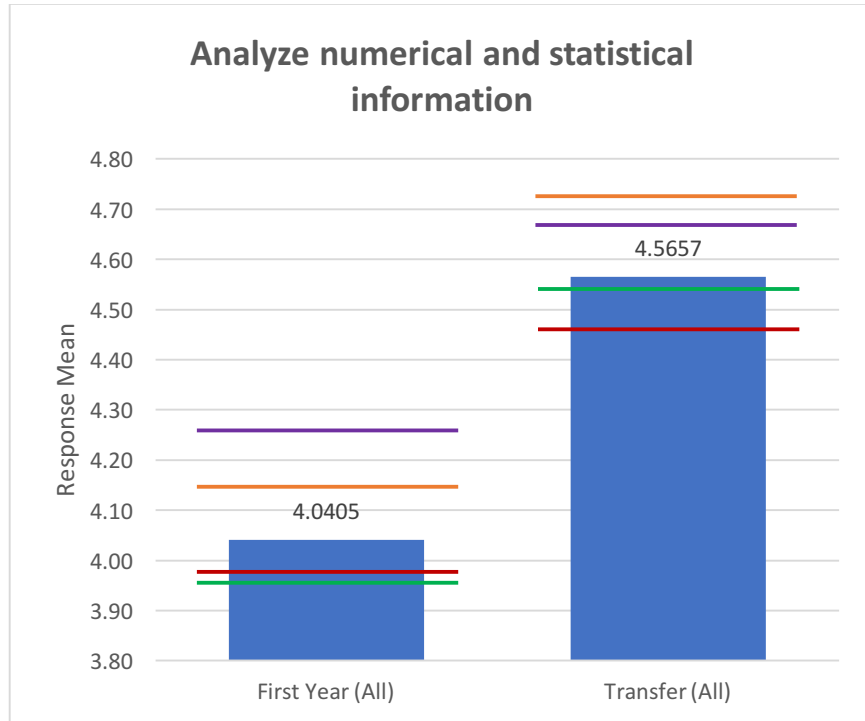
**Response Scale**

- 1 = Not at all prepared
- 2 =
- 3 =
- 4 =
- 5 =
- 6 = Very prepared

**Comparisons**

- Green line:** Students who identify as first generation
- Purple line:** Students who do not identify as first generation
- Orange line:** Self-reported previous grades of A- or higher
- Red line:** Self-reported previous grades of B+ or lower

**Question 20d: How prepared are you to do the following in your academic work at this institution?**



	Mean	Effect Size	Mean	Effect Size	
All CSUEB First Years	4.0404		All CSUEB Transfers	4.5656	
<b>First Generation</b>	3.9685		<b>First Generation</b>	4.5440	
<b>Not First Generation</b>	4.2507	<b>-0.2423 ***</b>	<b>Not First Generation</b>	4.6666	-0.1113
<b>Grades A- or higher</b>	4.1555		<b>Grades A- or higher</b>	4.7222	
<b>Grades B+ or lower</b>	3.9880	<b>0.1443 *</b>	<b>Grades B+ or lower</b>	4.4850	<b>0.2155 *</b>

**Statistical comparisons:** Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (\*p < .05, \*\*p < .01, \*\*\*p < .001). Significance levels indicate the probability that an observed difference is due to chance.

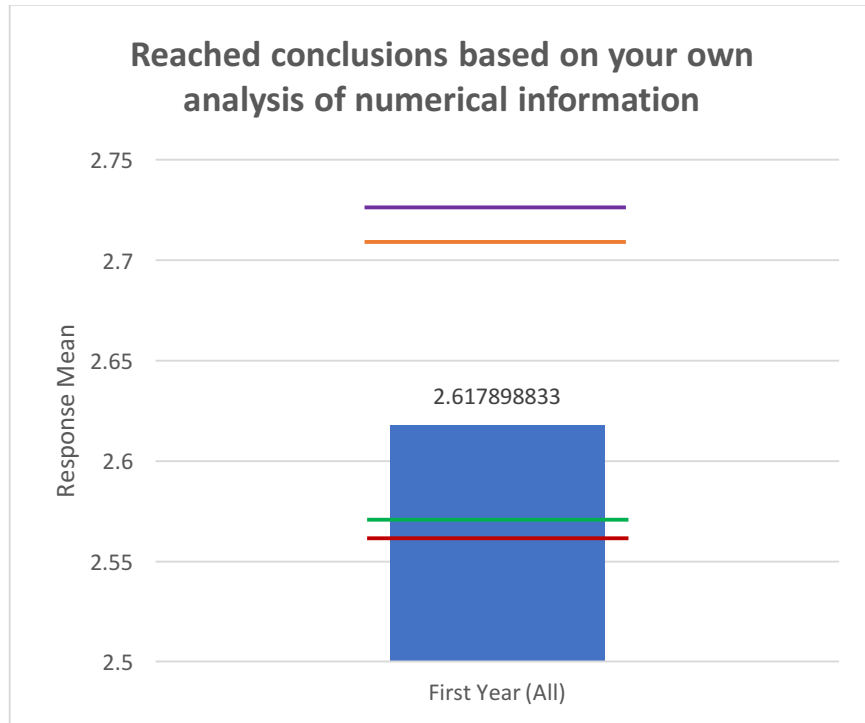
**Response Scale**

- 1 = Not at all prepared
- 2 =
- 3 =
- 4 =
- 5 =
- 6 = Very prepared

**Comparisons**

- Green line:** Students who identify as first generation
- Purple line:** Students who do not identify as first generation
- Orange line:** Self-reported previous grades of A- or higher
- Red line:** Self-reported previous grades of B+ or lower

**Question 10c: During your last year of high school, about how often did you do the following?**



	Mean	Effect Size
All CSUEB First Years	2.6178	
<b>First Generation</b>	2.5735	
<b>Not First Generation</b>	2.7355	<b>-0.1915 **</b>
<b>Grades A- or higher</b>	2.7188	
<b>Grades B+ or lower</b>	2.5681	<b>0.1781 **</b>

**Statistical comparisons:** Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (\*p < .05, \*\*p < .01, \*\*\*p < .001). Significance levels indicate the probability that an observed difference is due to chance.

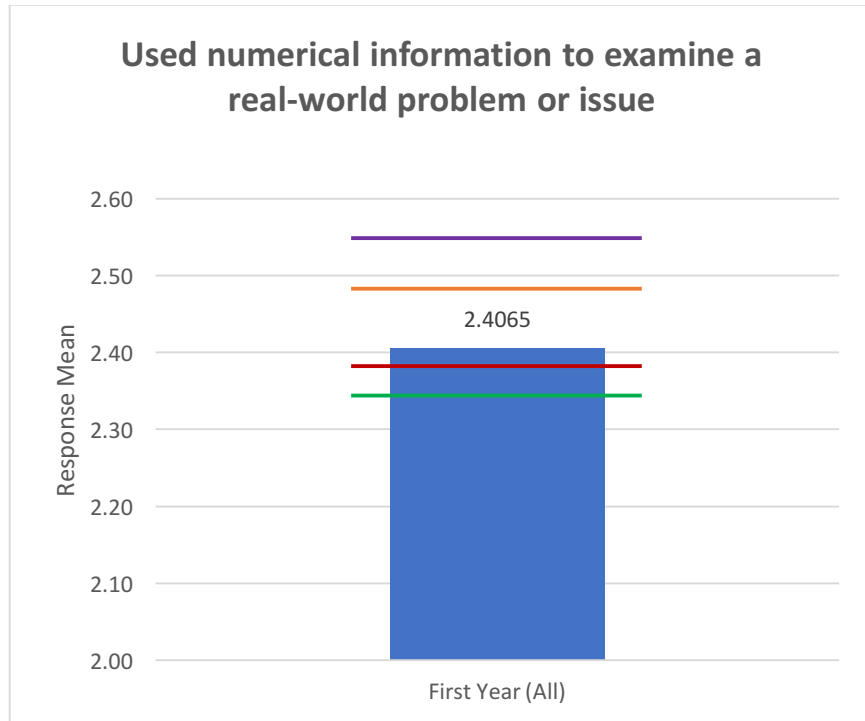
**Response Scale**

- 1 = Never
- 2 = Sometimes
- 3 = Often
- 4 = Very Often

**Comparisons**

- Green line:** Students who identify as first generation
- Purple line:** Students who do not identify as first generation
- Orange line:** Self-reported previous grades of A- or higher
- Red line:** Self-reported previous grades of B+ or lower

**Question 10d: During your last year of high school, about how often did you do the following?**



	Mean	Effect Size
All CSUEB First Years	2.4065	
<b>First Generation</b>	2.3588	
<b>Not First Generation</b>	2.5471	<b>-0.2094 **</b>
<b>Grades A- or higher</b>	2.4806	
<b>Grades B+ or lower</b>	2.3843	<b>0.1061</b>

**Statistical comparisons:** Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (\*p < .05, \*\*p < .01, \*\*\*p < .001). Significance levels indicate the probability that an observed difference is due to chance.

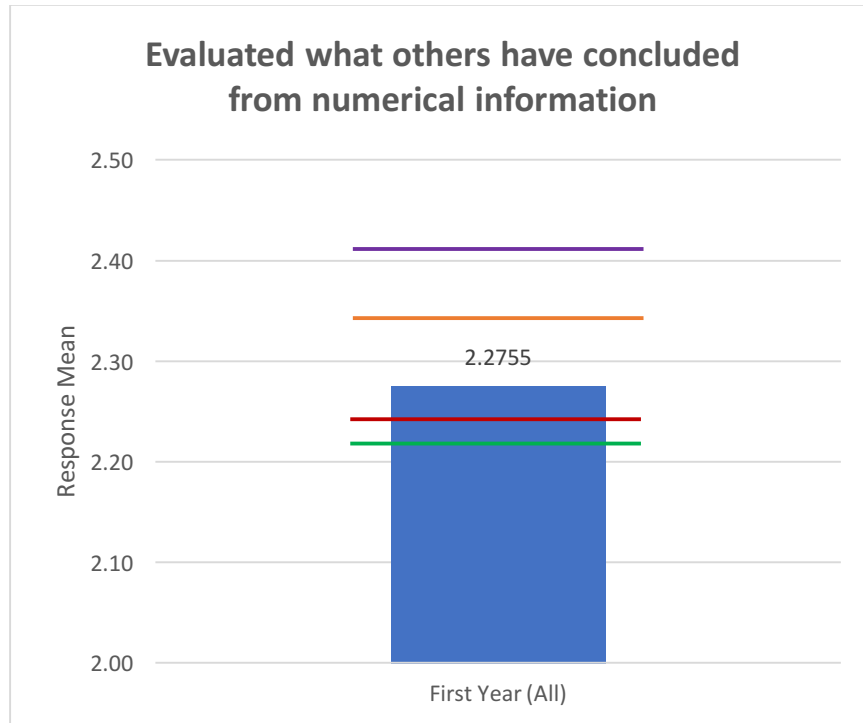
**Response Scale**

- 1 = Never
- 2 = Sometimes
- 3 = Often
- 4 = Very Often

**Comparisons**

- Green line:** Students who identify as first generation
- Purple line:** Students who do not identify as first generation
- Orange line:** Self-reported previous grades of A- or higher
- Red line:** Self-reported previous grades of B+ or lower

**Question 10e: During your last year of high school, about how often did you do the following?**



	Mean	Effect Size
All CSUEB First Years	2.2755	
<b>First Generation</b>	2.2243	
<b>Not First Generation</b>	2.4190	<b>-0.2236 ***</b>
<b>Grades A- or higher</b>	2.3413	
<b>Grades B+ or lower</b>	2.2430	0.1123

**Statistical comparisons:** Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (\*p < .05, \*\*p < .01, \*\*\*p < .001). Significance levels indicate the probability that an observed difference is due to chance.

**Response Scale**

- 1 = Never
- 2 = Sometimes
- 3 = Often
- 4 = Very Often

**Comparisons**

- Green line:** Students who identify as first generation
- Purple line:** Students who do not identify as first generation
- Orange line:** Self-reported previous grades of A- or higher
- Red line:** Self-reported previous grades of B+ or lower