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 |
First Generation | 4.3839 | First Generation | 4.8866 |
Not First Generation | 4.6189 | **-0.2254 ** *** | Not First Generation | 5.1111 | **-0.2256 ** * |
Grades A- or higher | 4.4612 | Grades A- or higher | 5.0556 |
Grades B+ or lower | 4.4668 | **-0.0053** | Grades B+ or lower | 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?

### Analyze numerical and statistical information

<table>
<thead>
<tr>
<th></th>
<th>Response Mean</th>
<th>Effect Size</th>
<th></th>
<th>Response Mean</th>
<th>Effect Size</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>All CSUEB First Years</strong></td>
<td>4.0405</td>
<td></td>
<td><strong>All CSUEB Transfers</strong></td>
<td>4.5657</td>
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<tr>
<td><strong>First Generation</strong></td>
<td>3.9685</td>
<td>-0.2423 ***</td>
<td><strong>First Generation</strong></td>
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<td>Grades A- or higher</td>
<td>4.7222</td>
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<td>Grades B+ or lower</td>
<td>3.9880</td>
<td>0.1443 *</td>
<td>Grades B+ or lower</td>
<td>4.4850</td>
<td>0.2155 *</td>
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</tbody>
</table>

**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?

**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?

**Used numerical information to examine a real-world problem or issue**

<table>
<thead>
<tr>
<th></th>
<th>Mean</th>
<th>Effect Size</th>
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<tbody>
<tr>
<td>All CSUEB First Years</td>
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<tr>
<td>First Generation</td>
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<td>Grades A- or higher</td>
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<tr>
<td>Grades B+ or lower</td>
<td>2.3843</td>
<td>0.1061</td>
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</tbody>
</table>

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?

<table>
<thead>
<tr>
<th></th>
<th>Mean</th>
<th>Effect Size</th>
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</thead>
<tbody>
<tr>
<td>All CSUEB First Years</td>
<td>2.2755</td>
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</tr>
<tr>
<td>First Generation</td>
<td>2.2243</td>
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</tr>
<tr>
<td>Not First Generation</td>
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<td>-0.2236 ***</td>
</tr>
<tr>
<td>Grades A- or higher</td>
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</tr>
<tr>
<td>Grades B+ or lower</td>
<td>2.2430</td>
<td>0.1123</td>
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</tbody>
</table>

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