



## QUANTITATIVE REASONING ASSESSMENT REVIEW ANALYSIS 2020 CHAPMAN UNIVERSITY

### Summary of Analysis

For AY 2019-2020, the Assessment Committee reviewed and rated 22 quantitative reasoning assessment reports. Due to the COVID-19 pandemic and the sudden transition to online learning format, many programs could not collect assessment data that they typically collect during the academic year (e.g., laboratory work, performances, etc.). These programs were provided the option to conduct an assessment check-up. For quantitative reasoning assessment, 25 programs opted to conduct an assessment check-up for AY 2019-2020. These check-ups also were reviewed by the Assessment Committee. The Committee also scheduled a follow-up meeting with the program to discuss the program's assessment and curriculum.

	Process Section	Performance Section	Progress Section	Overall Ratings
<b># Met/Exceeded Expectations</b>	13	5	8	7
<b># Needs Minor Improvement</b>	9	12	8	11
<b># Needs Improvement</b>	3	4	5	3
<b>Average</b>	<b>2.90</b>	<b>2.50</b>	<b>2.46</b>	<b>2.65</b>

### Overall Analysis

Of the 22 completed quantitative reasoning reports, the overall average rating was 2.65 (out of 4). Seven programs received a rating of three (i.e., meets requirement) or higher. Eleven programs received a rating between 2 to 3 (i.e., needs minor improvement). And three programs received a rating of less than 2 (i.e., needs improvement). As mentioned, the assessment committee also provides qualitative responses to elaborate on the ratings and support program improvement on assessment. These individualized comments can be accessed through our assessment system.

### Comparison to Previous Years Data

2018-2019 Quantitative Reasoning Assessment Review Ratings Table

Programs	Process Section	Performance Section	Progress Section	Overall Ratings
<b># Met/Exceeded Expectations</b>	21	17	14	15
<b># Needs Minor Improvement</b>	11	11	16	13
<b># Needs Improvement</b>	6	9	5	9
<b>N/A</b>	4	6	8	6
<b>Average</b>	<b>2.91</b>	<b>2.68</b>	<b>2.64</b>	<b>2.76</b>

This year's overall average (2.72) is slightly lower than last year's overall average (2.76). However, this slight increase is not statistically significant, and the difference in sample size does not warrant confidence in the improvement of the information literacy assessment process since last year. Nevertheless, the similar overall average does highlight the efforts of many programs to ensure proper assessment of our students' quantitative reasoning abilities despite having to make extensive teaching and program adjustments. We look forward to next year's review ratings data to get a better year-over-year progress understanding.

### ***Process Section Analysis***

Of the 22 completed process section, the overall average rating was 2.90 (out of 4). Thirteen programs received a rating of three (i.e., meets requirement) or higher. Nine programs received a rating between 2 to 3 (i.e., needs minor improvement). And three programs received a rating of less than 2 (i.e., needs improvement).

This year's process average (2.90) is slightly lower than last year's process average (2.91). However, as stated above, the difference in sample size and degree of difference does not warrant confidence in the improvement of this section since last year. We look forward to next year's review ratings data to get a better year-over-year progress understanding.

### ***Performance Section Analysis***

Of the 22 completed performance, the overall average rating was 2.50 (out of 4). Five programs received a rating of three (i.e., meets requirement) or higher. Twelve programs received a rating between 2 to 3 (i.e., needs minor improvement). And four programs received a rating of less than 2 (i.e., needs improvement).

This year's performance average (2.50) is lower than last year's process average (2.68). The 0.18 ratings difference has been noted. While the difference in sample size may attribute to the difference between the last year and this year, we will be monitoring next year's data to get a better year-over-year progress understanding.

### ***Progress Section Analysis***

Of the 22 completed progress section, the overall average rating was 2.46 (out of 4). Eight programs received a rating of three (i.e., meets requirement) or higher. Eight programs received a rating between 2 to 3 (i.e., needs minor improvement). And five programs received a rating of less than 2 (i.e., needs improvement).

This year's progress average (2.46) is slightly lower than last year's process average (2.64). However, as stated above, the difference in sample size and degree of difference does not warrant confidence in the improvement of this section since last year. We look forward to next year's review ratings data to get a better year-over-year progress understanding.