

10.1 Confidence Intervals for Means

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The screenshot shows a web-based statistics quiz interface. At the top, a navigation bar includes a bell icon, a dropdown menu for '10.1 Confidence Intervals for Means', a help icon, and the user's name 'Michael Brodskiy'. Below this, a breadcrumb trail reads: 'Statistics AP-Thompson-Year-12462 (66479) > Activities and Due Dates > 10.1 Confidence intervals for means'. The main interface is divided into three sections. The left section, titled '1 of 15 Questions', lists questions 1 through 18 with their respective scores and status: Question 1 (100%, Correct), Question 2 (95%, Correct), Question 3 (100%, Correct), Question 4 (98.8%, Correct), Question 5 (95%, Correct), Question 6 (100%, Correct), Question 7 (100%, Correct), and Question 8 (100%, Correct). The middle section, titled 'Question 1 of 15', displays the question text: 'What critical value of t^* should be used for a confidence interval for the population mean based on the following situation? A 95% confidence interval based on $n = 10$ randomly selected observations'. Below the text are five radio button options: $t^* = 1.833$, $t^* = 1.812$, $t^* = 1.96$, $t^* = 2.262$ (which is selected), and $t^* = 2.228$. The right section contains a 'My Attempt' dropdown menu and a 'Next Question' button. At the bottom of the interface is a green 'Submit' button.