

Tool Kit – Quantitative

- **Show rather than tell:** Case studies and video demonstrations have been found to lead to better assignment outcomes. Demonstrate with real data and actual assignments. <https://link.springer.com/article/10.1186/s40594-017-0096-x>
- **Create your own “how-to” video content:** Research shows custom content is more effective than generalized “how-to” videos available online. <https://link.springer.com/article/10.1186/s40594-017-0096-x>
- **When you demonstrate, take things step-by-step:** To increase effectiveness of video demonstrations, create a step-by-step “how to” demonstration of procedures, and then discuss the meaning of the outputs <https://link.springer.com/article/10.1186/s40594-017-0096-x>
- **Provide “Hints” or “Tips” notes:** In studying quantitative methods, students often have trouble understanding what concepts, tools, and content is the most important; help them do so by providing them this information ahead of the reading, so that they know which concepts to spend the most attention on and not get “lost in the weeds.” <https://link.springer.com/article/10.1186/s40594-017-0096-x>
- **Use Mini-Projects:** Mini projects have been found to help students master quantitative course content; hile these can be structured in different ways, having students apply the course concepts immediately after learning them will help to ensure students understand core concepts. These projects can build upon one another and lead to the final project, or stand alone. <https://link.springer.com/article/10.1186/s40594-017-0096-x>
- **Minimize (or eliminate) high stakes exams:** Use lower stakes quizzes!
- **Host Live Sessions/Office Hours:** Students can ask questions about readings as they relate to assignments