

**Title:** Infusing Quantitative Reasoning Activities within Biology Lectures

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**Abstract:** Quantitative reasoning is an important skill for all science students to learn and is a key component of Vision and Change. How can we incorporate more quantitative reasoning into our biology lectures? In this workshop we would be discussing what quantitative reasoning means in the discipline of biology. Data literacy in the form of data management, graph creation, and graph interpretation will be discussed in light of recent literature and teaching tools developed from a faculty mentoring network based on the graph construction competency model for biology. The main deliverable of this workshop would be the creation of a teaching tool that could be used within lecture using existing content. The goal of this workshop is to provide space for brainstorming and support so instructors feel more comfortable teaching quantitative reasoning and implementing small changes to their in-course activities to support student learning goals.