What does he X? Thinking about statistics, not just hearing about statistics: Getting students to engage in the process of learning and doing statistics. Preliminary report.

Drawing students into the material is important! Simply telling students about a model or statistical fact is not the best way to foster a long-term learning environment. Instead, students should be actively engaged in creating models and thinking through the underlying concepts. A focus on the big picture and reasoning behind the formulas helps develop statistical intuition. This talk will discuss examples of how I get my undergraduate introductory statistics students involved in the process of thinking about concepts and developing statistical tools, rather than simply hearing me talk about them. (Received September 15, 2019)