

# **An Introduction to Teaching Data Analysis and Statistics with Fathom**

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## **Abstract**

Interactive software that allows for dynamic manipulation of mathematical and statistical objects has the potential to dramatically deepen the learning that takes place in the classroom. In this tutorial participants will get a taste of what it is like to teach with Fathom Dynamic Statistic software both as a presentation tool and laboratory tool. Both exploratory data analysis and re-sampling techniques for introducing inference will be covered.