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For many years, we have taught the logic of traditional inference using approximations based on normal and t-distributions. Now that the necessary computing power is readily available, some people are suggesting using modern resampling methods as a more intuitive way to introduce the concepts of statistical inference. Should we stick with familiar traditions, embrace a new approach, or find a way to use the best of both? The speakers will debate the merits of these options. (Received September 25, 2012)