

1154-AE-2853 **Kari Lock Morgan***. *The p-value: Replacing 0.05 with understanding.*

The American Statistical Association's 2016 P-Value Statement and The American Statistician's 2019 Special Issue "Statistical Inference in the 21st Century: A World Beyond $p \leq 0.05$ " both provide a call for action and dramatic change regarding how p-values are taught and used. In particular, they discourage the focus on whether a p-value is less than a specific threshold (e.g. 0.05), and encourage a better understanding of what the p-value actually represents. This talk will discuss ways to replace " $p \leq 0.05$ " with conceptual understanding of a p-value in introductory statistics courses. (Received September 17, 2019)