

Jones County Dam Alternative Survey

This data comes from a survey of over 300 residents of Jones County, IA. Participants were asked to rank each alternative action for a solution to allow fish to be able to bypass a dam. Originally, we made a box plot to display this information (see figure 1), but it did not display the data in a conclusive way. As a solution to this, I created a “violin” plot using the Matplotlib library in Python (see figure 2). This option displayed the data in a much more visually appealing, conclusive way that better displayed which rating was voted for most for each alternative.

Figure 1.

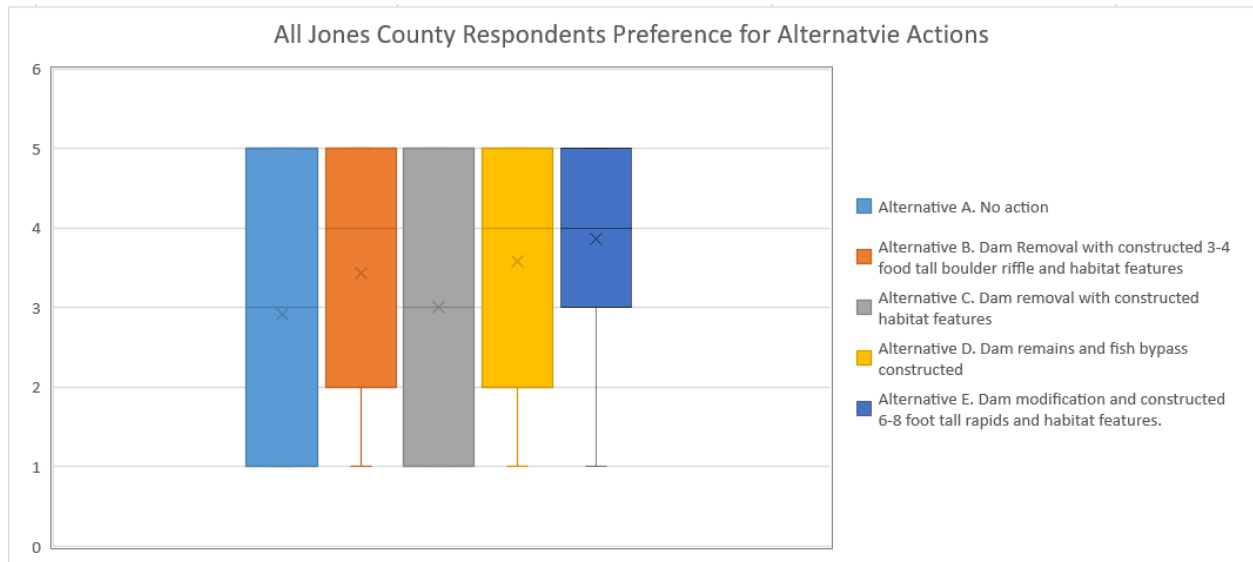
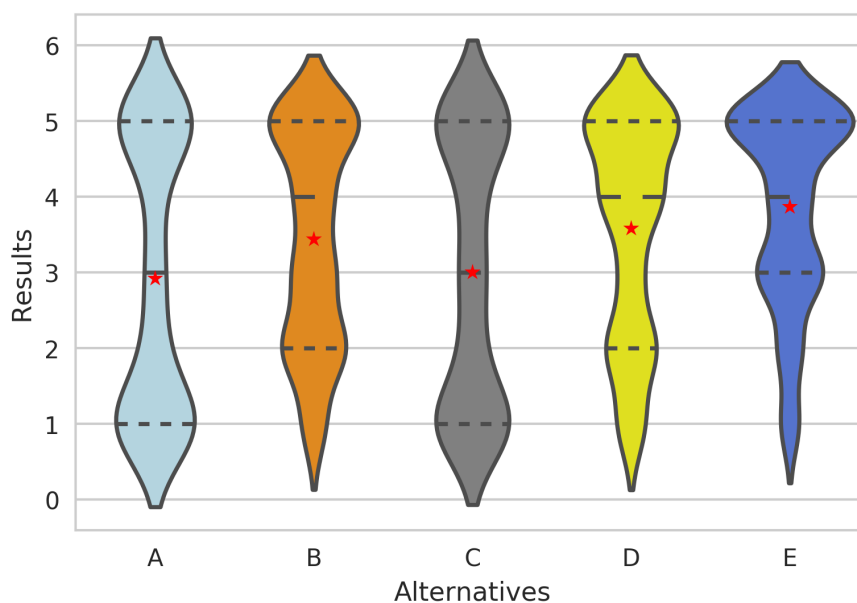


Figure 2.



Red Star = Mean Rating