**Conclusion:**

In conclusion, the Simple Linear Regression worksheet has yielded important findings. The analysis revealed a significant slope interpretation. Impressively, the model accurately predicted Sara Crews within a 0.746 range of her actual bench weight, demonstrating its effectiveness in estimating performance. Furthermore, the exploration of using squat weight as an alternative variable showcased its potential usefulness and highlighted the value it can add to predicting and understanding performance outcomes. Overall, this worksheet has enhanced our understanding of the relationship between variables and the predictive capabilities of simple linear regression.

**Author Information:**

Sarah Weaver (St. Lawrence University), Ivan Ramler (St. Lawrence University),

To cite this module in publications please use:  
Weaver, S., Ramler, I. (2023) SCORE Module Simple Linear Regression: Analyzing 25-Year-Old Female Participants Over Different Powerlifting Tournaments. doi: xx.abcd