

Review Form 1.6

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_86352
Title of the Manuscript:	Modeling the Differences between the Genders in Olympic Weightlifting Performance
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

<https://www.journalajpas.com/index.php/AJPAS/editorial-policy>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	The authors of this article studied the 2000-2016 Olympic Games weightlifting results for males and females to determine the differences between gender performance. The data showed that there are notable differences in the competitive level between male and female athletes. This article compares the results of the winners in a weight class with a given lifter in the weight class from year to year. It shows that males in each competition studied had a lower mean percent difference compared to the first compared to the same comparison for females. This article also compares the winner of each weight class with the weight class above them and notes the place they would have received. The study found that for males, a winner in a weight class would be around 6th in the weight class above them, while for females, a winner in a weight class would be around 4th in a weight class. weight class above them. Also interesting was the observation that as the place increases, the difference between the male and female results increases, as does the standard deviation between the results. The authors demonstrated that females are less competitive than males as the athlete's rank increases. There appears to be no association between weight class and mean percent difference of fifth place from first place for females. For males, there appears to be a decrease in the mean percent difference of fifth place from first place as the weight class increases, meaning that the higher weight classes for males are more competitive than the lower weight classes. The authors demonstrated that for all the criteria measured in this paper, males are more competitive weightlifters. Future research should continue to look at women's performance over time to see if there continues to be an improvement in competitiveness as women compete longer and acceptance for the sport continues to rise. It should be noted how the addition of the new female weight class affects the data. The graphs that allow easy reading are also very interesting. The bibliography is very comprehensive.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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