

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)
Compulsory REVISION comments	<ol style="list-style-type: none"> In page 2, ANOVA test is used to test if the mean percentage difference depends on the weight class for males. One of the important assumptions of ANOVA is constant variance or equal variances for the groups. It is clear from the side-by-side boxplot, the variability is not equal for the groups. A test for equal variance should be used here, such as Levene test. If the assumption of constant variance is not satisfied, <ul style="list-style-type: none"> a nonparametric test should be used here, such as Kruskal-Wallis Test which does not require these assumptions. or when ANOVA were run using a software, unequal variance should be selected. Another assumption for ANOVA is normality. A test for normality, such as A-D test or Shapiro test should be used. Similarly, ANOVA test is used for females and the constant variance seems not satisfied from the side-by-side boxplots. <p>Other than that, the paper is well organized and presented, and has some interesting results.</p>	
Minor REVISION comments	The paper needs to be checked for grammar errors and spelling.	
Optional/General 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>	

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