

## Review Form 1.6

Journal Name:	<a href="#">Asian Journal of Probability and Statistics</a>
Manuscript Number:	Ms_AJPAS_77994
Title of the Manuscript:	THE F- DISTRIBUTION WITH APPLICATIONS TO NUMBER OF FEMALE PATIENTS WITH CANCER
Type of the 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:

(<http://peerreviewcentral.com/page/manuscript-withdrawal-policy>)

**Review Form 1.6**

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<p><b>Compulsory</b> REVISION comments</p> <p>Some interesting results are presented in that paper .</p>	<p>The F-distribution is a <i>continuous</i> probability distribution, which means that it is defined for an <i>infinite</i> number of different values. The F-distribution can be used for several types of applications, including testing hypotheses about the equality of two population variances and testing the validity of a multiple regression equation.</p> <p>The F-distribution shares one important property with the Student's t-distribution: Probabilities are determined by a concept known as <i>degrees of freedom</i>. Unlike the Student's t-distribution, the F-distribution is characterized by <i>two</i> different types of degrees of freedom — <i>numerator</i> and <i>denominator</i> degrees of freedom.</p> <p>The F-distribution has two important properties:</p> <ul style="list-style-type: none"> <li>• It's defined only for positive values.</li> <li>• It's <i>not</i> symmetrical about its mean; instead, it's <i>positively skewed</i>.</li> </ul> <p><b>In the meanwhile</b> The Fisher Snedecor distribution is another name for the <a href="#">F-distribution</a>. The F-distribution comes from the ratio of two chi-squared variables as we claimed above , The interesting result of the titled paper is the uses of F distriubution to present comparative result for evolution of femal patient with Cancer , However , Author made an accepted efforts for this research but we noted that :References are not enough and not modern , I ask Author to add some modern references(Arxiv papers are needed ) which uses applications of Fisher distribution in modern science like biology and medcin , In the meanwhile we recomond author to add some detail in the introduction to make clear for readers for example :Why we need F distribution in modern life science ?  <b>In section 3 , part (3.1) the derivation of Fisher distribution : The method used here by Author is well known , we may ask Author for trying accomplish another new method or improving some known method of derivation like this : <a href="https://stats.stackexchange.com/a/532134/195381">https://stats.stackexchange.com/a/532134/195381</a></b></p> <p><b>I ask Author to use and fix his latex , The citation of references is not suitable in that paper , I ask him to use latex than mathtyp commond , for example \cite{reference}.....</b></p>	
<p><b>Minor</b> REVISION comments</p> <p><b>Adding detail in introduction and enumerate references are needed</b></p>	<p>I recomond Author to add modern references which uses application of Fisher S distribution in modern science like biology and medcin ....</p>	
<p><b>Optional/General</b> comments</p> <p>Interesting results with many necessary changes are need in that paper</p>	<p>I recomond Author to use latex and improve section 3.1(derivation of F distribution)  <b>I recomond to publish that paper if Author follow to improve the needed change above in reviews comments</b></p>	

**Review Form 1.6**

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>Zeraoulia Rafik</b>
Department, University & Country	<b>University of Batna2, Algeria</b>