

Review Form 3

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_121667
Title of the Manuscript:	Prediction and Stochastic Choice
Type of the Article	Original Research Article

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript is important for the scientific community because it provides new insights and advancements in our understanding of prediction and stochastic choice, potentially opening up new avenues for research and application. It is well-structured, with a clear methodology and robust data analysis, making its findings reliable and valuable for future studies. I particularly point out from this manuscript that there is no discussion of the implications of the results, which demonstrates a deep engagement with the subject matter. However, some areas could benefit from further clarification or additional data, which could strengthen the overall argument.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Characterizing Predictability in Stochastic Choice Models: A Non-Parametric Approach Using VC Complexity</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>I suggest including the VC (Vapnik–Chervonenkis) theory and what it does in this research area.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The manuscript adheres to this subsection and general structure; it is likely to be appropriate.</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>This manuscript gave a lot of proof look at certain stochastic models for decision-making in this section. Our focus is specifically on the recoverability of heterogeneity. The distribution of model parameters or preferences that results in decision stochasticity are referred to as heterogeneity. The paper's major finding is that if the distribution's support has a finite VC dimension, preference heterogeneity can be recovered when random preferences are taken into account. We go over a number of well-known instances where the outcome is applicable. Furthermore, we prove the opposite result about the non-predictability of these models. Finally, we also discuss the recoverability of cognitive heterogeneity and choice with consideration sets.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Add references from the most recent year because this document does not reference any recent articles. The reference section has to be carefully proofread because it is inconsistent.</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Though not as much, language correction and typo correction are also necessary. Therefore, it is suggested that the writers get some assistance from qualified language specialists.</p>	
<p>Optional/General comments</p>	<ul style="list-style-type: none"> • There is no conclusion section, which is a general criticism of this manuscript. • There are more pages in this document. 	

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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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