Reviewer's report for "Adjusted empirical likelihood for probability density functions under strong mixing samples" （LSTA-2022-0755）

The adjusted empirical likelihood (AEL) method introduced by Chen et al. (2008, adjusted empirical likelihood and its properties, Journal of Computational and Graphical Statistics, 17, 426-443) is very useful to solve the problem that the convex hull of the sample points may not contain the zero vector 0 as its interior point. This paper extends the AEL method to probability density functions (p.d.f.) under strong mixing samples. It is shown that the AEL ratio statistic for a p.d.f. is asymptotically chi-squared-type distributed under a strong mixing sample, which is used to obtain an AEL-based confidence interval for the p.d.f. Extensive simulations are conducted to show the performance of the AEL method. The results of this paper are interesting and the proofs are correct. Besides, the English of the paper needs to be polished. There are some spelling errors.