

Anonymous referee #2

Minor comments:

Line 335: This sentence is worded a bit awkwardly.

We have revised the original sentence: “Give a cautious look on the silhouette plots in Figure 3, one might realize an anomaly of S k-means compared with the others.” to

“By taking a careful glance at the silhouette plots shown in Figure 3, it's possible to notice a discrepancy in S k-means compared to the rest.” (Line 335 – 336)

Line 336: Change besides to beside

Changed accordingly.

“S k-means is likely to generate, say, “high-ordered” clustering, i.e., one dominant weather pattern (larger group size) beside several non-dominant (smaller group size).” (Line 337)

Lines 344-345: Sentence starting with because is a bit confusing to read, had to read multiple times to understand. Could be reworded.

We have revised the original sentence: “Because, it is not true in all the experiences, we could exclude the second hypothesis (ii), i.e., achieving “highly-ordered clustering” is the intrinsic property of S k-means.” to

“We can dismiss the second hypothesis (ii), which posits that achieving “highly-ordered clustering” is an intrinsic property of S k-means, because it is not universally true across all experiences.” (Line 345 – 346)