The authors would like to thank the reviewers for their suggestions. We have also performed minor grammatical changes to the manuscript. Please find below the reviewers’ original comments (in black font) and our response to each comment (in blue font).

**Reviewer 1:**

I am satisfied with the review and the answers of the authors to my comments. I have some minor comments:

The authors should carefully check the English throughout the manuscript, here are some typos:

"disregard point spatial pattern as scales smaller than the spatial scale selected" -> "disregard spatial point patterns at scales smaller than the spatial scale selected"

This sentence has been revised to: “but are sensitive to spatial scale: they therefore disregard point spatial pattern at scales smaller than the spatial scale selected”

"which is spatial variable" -> "which is variable in space"

This text has been revised, correcting the error (see responses to Reviewer 2).

"others algorithms could had been used instead" -> "others algorithms could have been used instead"

We have altered the text using this suggestion.

"it is recommended using the IoD the study" -> "it is recommended using the IoD to study"

This text has been revised to: “…it is recommended to use the IoD to study…”

"and therefore a limited in demonstrating" -> "and therefore are limited in demonstrating"

The text around the referenced text has been revised to: “…in comparison with a random pattern and therefore are limited in demonstrating…”

**Reviewer 2:**

The authors made a major revision of the article in relation to the previous submission. In particular:  
+ Related work has been revised and expanded.  
+ The authors answered to the questions and comments raised in the previous review. Some parts of the text are now clearer and easier to read.  
+ The proposed method for implementing IoD is basically the same and has problems when the point sets are irregular. This has implications for the practical application of the method. In this version, the authors explicitly mention these limitations in the text and forward this problem to future work.  
The text still needs improvement, for example:  
P3, L15: "… but they are sensitive to spatial scale and therefore disregard point spatial pattern as scales smaller than the spatial scale selected."

This sentence has been revised to: “…but are sensitive to spatial scale: they therefore disregard point spatial pattern at scales smaller than the spatial scale selected.”

P3, L52: "… which is spatial variable"

The sentence has been revised to: “…the IoD provides a way to enrich the analysis of such point sets by creating a new attribute for each individual point which can be used as a predictor variable.”

P5, L37: "… neighbors neighborhoods…"

The text has been revised to: “…the neighborhoods of its neighbors…”

**Reviewer 3:**

I have read this revised version of the mns and the answers to the original comments. I believe the authors have done a good job in answering mine and all other reviewers comments, and so I have nothing to add except that I like the paper as it now. This is a good contribution.

Thank you. We appreciate the dedicated time and effort to provide comments and suggestions.