The study entitled “The impact of Urban Spatial Environment on COVID-19: a case study in Beijing” tries to to analysed the spatial distribution characteristics of COVID-19 epidemic outbreaks by correlating the geographic locations of COVID-19 epidemic-affected neighbourhoods in the city of Beijing with the time point of onset. Second, we created a geographically weighted regression model and an unordered multi-categorical logistic regression model combining the frequency of COVID-19 outbreaks with the external spatial environmental elements of the city. The method (analysis) should explain the application clearly and the regression model-building approach for ease of understanding. The authors should rewrite their Introduction and Discussion to focus on the urban spatial environment. In addition,

1. A little discussion/literature review was observed in the introduction to support the title.

2. Reviewers recommended showing the formula to calculate the sample size or provide a reference, which formula they follow.

3. Please provide some updated references.

4. Please explain all variables that are used in this manuscript in a separate section. If needed, provide references.

5. Reviewers didn’t notice any results from the machine learning approach.

6. Logistic regression results also missing in the table.

7. There is a great deal of room for improvement in both writing and grammar. I advise the authors to work with a writing coach or copy editor to improve the flow and readability of the text.