Title

Firstname Lastname, Firstname Lastname and Firstname Lastname

**Abstract:** A single paragraph of 200 words maximum giving a brief overview of the report. You are encouraged to use the following style of structured abstracts, but without headings: 1) Background: Place the question addressed in a broad context and highlight the purpose of the study; 2) Methods: Describe briefly the main methods or treatments applied; 3) Results: Summarize your main findings; and 4) Conclusions: Indicate the main conclusions or interpretations.

1. Introduction and Background (Literature Review) – [guideline 1-2 pages]

Briefly mention the main aim of your investigation (as specified in the assignment description), as well as a summary and discussion of relevant **journal papers** that describe ABMs relevant to your system (please refer to assignment description for further guidelines). As far as possible, please keep the introduction comprehensible to readers unfamiliar with your particular field of research. References should be numbered in order of appearance and indicated by a numeral or numerals in square brackets, e.g., [1] or [2,3], or [4–6]. See the end of the document for further details on references.

2. Methodology - [guideline 1-2 pages]

A short summary of how you have represented your system of interest using an ABM and how your model works. You can also use simple flow or state transition diagrams to support your description. You can also refer to relevant code snippets or pseudocode included in an appendix. State, and where possible, justify any assumptions you have made. You should explain in English (as opposed to simply using code), how you have extended the model you have been given in order to investigate the features mentioned. Please refer to assignment description for further guidelines.

3. Results [guideline 2-3 pages]

In this section you should describe what simulations you carried out under which conditions and how long (in time steps) each simulation was run for. You should use fully labelled diagrams (e.g. screenshots or where appropriate, line graphs) to display your results and you should also describe your results in text.

You should aim to provide a concise and precise description of your results (simulations and efficiency, as detailed in assignment description, and very briefly, their interpretation as well as the conclusions that can be drawn.

This section may be divided by subheadings and you will also use figures and possibly tables. Guidelines for formatting these are as follows (replace text below with your own!):.

3.1. Subsection

3.1.1. Subsubsection

3.2. Figures, Tables and Schemes

All figures and tables should be cited in the main text as Figure 1, Table 1, etc.

|  |  |
| --- | --- |
| C:\Users\martin\Downloads\testFigure.tif  (**a**) | C:\Users\martin\Downloads\testFigure.tif  (**b**) |

**Figure 1.** This is a figure, Schemes follow the same formatting. If there are multiple panels, they should be listed as: (**a**) Description of what is contained in the first panel; (**b**) Description of what is contained in the second panel. Figures should be placed in the main text near to the first time they are cited. A caption on a single line should be centered.

**Table 1.** This is a table. Tables should be placed in the main text near to the first time they are cited.

|  |  |  |
| --- | --- | --- |
| **Title 1** | **Title 2** | **Title 3** |
| entry 1 | data | data |
| entry 2 | data | data 1 |

1 Tables may have a footer.

4. Discussion [Guideline 1 page]

Summarise your most important findings. How reliable do you think your results are? If you change some of the assumptions and values that you have used in your model, do your conclusions remain the same? How could your model be made more realistic or reliable?

You should also consider how your model and findings may relate to those from the literature that your mentioned in the introduction.

5. Conclusions [Max 0.5 pages]

Briefly state the main conclusions resulting from your study.

**Supplementary Materials:** You may wish to include links to additional media such as videos showing simulations.

**THE LENGTH OF YOUR REPORT TO THIS POINT SHOULD NOT EXCEED 8 PAGES (around 4000 words)**

Appendix A [Nothing below here will count towards your word/page limit]

The appendix is an optional section that can contain details and data supplemental to the main text. For example, figures of repeats of simulations for which representative data is shown in the main text can be added here if brief, or as Supplementary data. Key sections of code or pseudocode can also be included here.

All appendix sections must be cited in the main text. In the appendixes, Figures, Tables, etc. should be labeled starting with ‘A’, e.g., Figure A1, Figure A2, etc.

References

References must EITHER be numbered in order of appearance in the text (including citations in tables and legends) and listed individually at the end of the manuscript in order of appearance (example shown below). In the text, reference numbers should be placed in square brackets [ ], and placed before the punctuation; for example [1], [1–3] or [1,3].. ALTERNATIVELY, references can be cited in the text as [*Author, year]* and appear in the bibliography in alphabetical order. Please consistently stick to one system. You may wish to prepare references with a bibliography software package, such as EndNote, ReferenceManager or Mendeley to avoid typing mistakes and duplicated references.

1. Author 1, A.B.; Author 2, C.D. Title of the article. *Abbreviated Journal Name* **Year**, *Volume*, page range, DOI.
2. Author 1, A.; Author 2, B. Title of the chapter. In *Book Title*, 2nd ed.; Editor 1, A., Editor 2, B., Eds.; Publisher: Publisher Location, Country, 2007; Volume 3, pp. 154–196, ISBN.
3. Author 1, A.; Author 2, B. *Book Title*, 3rd ed.; Publisher: Publisher Location, Country, 2008; pp. 154–196, ISBN.
4. Title of Site. Available online: URL (accessed on Day Month Year).