Your Project Title Goes Here

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Abstract

The abstract should briefly summarize your project in 150–250 words.

1 Introduction

You can also refer to more general literature here, for example [Woo09] or [Wik20].

1.1 Problem

Key question 1: What is the problem addressed?

1.2 State of the art

Key question 2: What is the state of the art concerning this problem? Which publications are the inspiration for your project? Add them to the file `references.bib` and cite them like this [WVV13].

Note that the `\cite` command can take multiple references [Dit+19; Ber18; Bre+19].

1.3 New idea

Key question 3: What is the new idea for addressing the problem?

2 Method

2.1 Simulation model

Here you should describe your model. How similar to the one used in your state of the art reference is it? Which things did you change, and why?
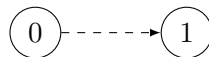

Figure 1: A figure should always have a caption.

If you add figures, such as Figure 1, always refer to them at least once. Please use tikz or vector formats like EPS or PDF. Avoid pixel formats such as PNG or JPG (because they would become pixelated or blurry).

2.2 Implementation details

Here you should describe the implementation of your simulation. Please explicitly mention any programming languages, tools or libraries you used.

2.3 Experiment design

Did you run multiple different versions of your simulation with different parameters? Then explain the different setups here and why you chose them.

You can also mention here what results you are expecting.

3 Results

3.1 Experiment findings

Key question 4: What are the results you obtained?

It can be good to use a Table, like Table 1. Please ensure that numeric results are right-aligned and have the same number of digits, to allow for easy comparison.

Setup	run time	success rate
1	0.123	12%
2	0.456	34%
3a	0.789	56%
3b	1.234	78%

Table 1: Tables should always have a caption.

You might also want to include plots or graphs. Similar to figures, please do not use screenshots or pixel-based formats, but vector-based formats. Alternatively, generate your plots with the `pgfplots` package as done here in Figure 2.
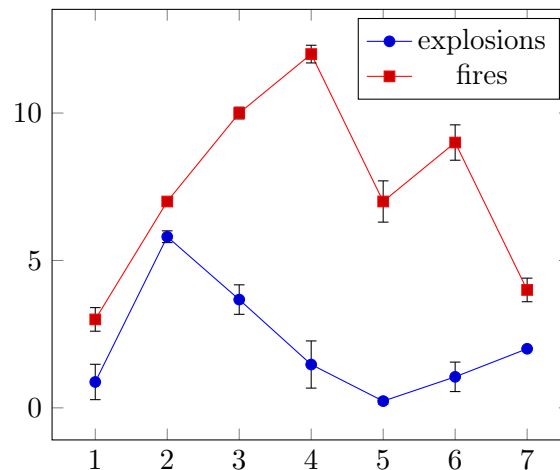

Figure 2: Figures should also have a caption.

3.2 Interpretation of findings

Summarise your results. Are the results what you expected? Which results are surprising? How do you interpret them?

4 Conclusion

4.1 Discussion

What do you take away from your project? What did you learn?

4.2 Relevance

Key question 5: What is the relevance of this work?
  Which new questions do you have now? Do you results suggest future research directions?

4.3 Team Work

How did you work together as a team? Who contributed how to this report and to the implementation? What should you have done differently?

References

[Ber18] Line van den Berg. *Unreliable Gossip*. Master thesis. 2018. `https://eprints.illc.uva.nl/1597/`.

[Bre+19] Marco Breemhaar, Ingeborg van Keulen, Menno Liefstingh, and Maaike Los. *Supermarket queuing*. Technical report. Project report for Design of Multi-Agent Systems. 2019.

[Dit+19] Hans van Ditmarsch, Malvin Gattinger, Ioannis Kokkinis, and Louwe B. Kuijer. "Reachability of Five Gossip Protocols". In: *Proceedings of RP 2019*. Edited by Emmanuel Filiot, Raphaël Jungers, and Igor Potapov. 2019. `https://doi.org/10.1007/978-3-030-30806-3_17`.

[Wik20] Wikipedia. *Schelling's model of segregation*. Sept. 5, 2020. `https://en.wikipedia.org/w/index.php?title=Schelling%27s_model_of_segregation&oldid=976837642`.

[Woo09] Michael Wooldridge. *An introduction to MultiAgent Systems*. John Wiley & Sons, 2009. ISBN: 978-0470519462. `https://www.cs.ox.ac.uk/people/michael.wooldridge/pubs/imas/IMAS2e.html`.

[WVV13] Harmen de Weerd, Rineke Verbrugge, and Bart Verheij. "How much does it help to know what she knows you know? An agent-based simulation study". In: *Artificial Intelligence* 199-200 (2013), pages 67–92. `https://doi.org/10.1016/j.artint.2013.05.004`.