

Assignment 2

This assignment is done in **groups** of two or three, to which the instructor has assigned you based on shared interest with other group members.

Objective: Reading a model and structuring it using the standard ODD template
Due date: Sunday Nov 4th, 11pm. Assignments do not receive a grade after the due date.
How to submit: On the course website only (no emails or hardcopies accepted).
Send a single PDF, with the last name of all group members, e.g.:
King_Woodhouse_Rivers.pdf
Submissions in formats other than PDF will *not be graded*.

I. Overview

The ODD protocol is a standard to describe agent-based models (ABM). Having a standard is important, because everyone trained in modeling can look at the document and know exactly what to do, instead of having to hunt for details in a narrative with no apparent structure. The ODD protocol provides a Table, spanning at the very least one page and sometimes 2 pages. The Table is shown in slide 6 ("The ODD Protocol") of the slidedeck attached. Your objective is to create such a table, based on an article given to you. Note that that the table has 7 parts, and each can be very lengthy.

II. What to do

- Read the slidedeck on the ODD protocol, which describes the table and what goes in it.
- If you feel like you need examples of such tables, see "Appendix: model documentation" in the article attached. This article describes an agent-based model and provides it using the ODD. The article you will have to read does not provide an ODD.
- Read the article that you have been assigned, and write its ODD protocol. Ensure that there is some time in your team to do a review of the work.

Your grade will depend on:

- *completeness*. No part of the model should be missing from the ODD.
- *clarity*. Copy/pasting the article into an ODD produces a disastrous, cryptic description. You need to rephrase what you see with your own words, and possibly explain in more details.
- *professionalism*. We want to avoid typos, misleading or incorrect sentences.

Working in a group will help you achieve all three goals. With several people reading the final product, there is a reduced likelihood for typos or erroneous sentences. As everyone needs to understand the final product, clarity is emphasized. Finally, if anyone notices that a part of the model is not in the ODD, then it can get fixed.