

Overview of Simulation Models and Online Repositories

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The dissertation ‘Simulating Human Routines: Integrating Social Practice Theory in Agent-Based Models’ used simulation models throughout the thesis. This document gives an overview of where these models are found. The models are stored in one place to avoid confusion about the most recent model. The models are stored in GitHub to enable fast-updating, version history and collaboration.

1 Social Practice Agent Framework and Applications

The Social Practice Agent framework modelled in Repast and OWL. The framework is available as a template. Two specific models used based on earlier versions on SoPrA are used in the thesis.

Table 1: Overview of the online repositories for the SoPrA framework.

Title	Ch.	Link
Most Recent SoPra Framework (Repast, OWL)	4	https://github.com/rmercuur/SoPrA-Models
Older Version (OWL)	6	https://github.com/rmercuur/SOPRA
Older version (Repast)	8	https://github.com/rmercuur/HabitsTraffic

2 Ultimatum Game Simulation Models

Models that simulate the behaviour of a homo economicus agent, a value-based agent and a norm based agent in a psychological experiment called the ultimatum game.

Table 2: Overview of the online repositories for the Ultimatum Game simulation models.

Title	Ch.	Link
Most Recent UG Simulation (Repast)	5	https://github.com/rmercuur/moral-ultimatum-game/
Older Version UG Simulation (Repast)	2	https://github.com/rmercuur/UltimateValuesEclipse
Value-Based Agent Model (R)	2	https://github.com/rmercuur/UltimatValuesR
ML Model (Matlab) and Data Analysis (R)	5	https://github.com/rmercuur/moral-ultimatum-game