Student vacancy

SimsCity

Study-background: *HBO/WO bachelor3 or master*
Period: *3-6 months*

The idea

We believe that agent-based modelling has the future for modelling socio-, techno-, economic-systems. With agent-based modelling you can create predictive models by simulating interacting agents in a virtual environment. This relatively new modelling method has a lot of potential and is ready to be further explored. With our virtual labs we try to create virtual environments that correspond to the real world. And we want to make them visual, like the user is playing SimsCity.

What you can do

You can create virtual environments like SimsCity that are appealing to the user and simulate agents in these environments that show real behaviour. We make our agent-based models with Anylogic, a simulation platform based on Java. Anylogic is easy to learn and is mostly based on a graphical user interface. You will be working on one of our virtual labs and become a king in Anylogic and agent-based modelling.

Required skills

The most important thing is that you are motivated to learn agent-based modelling! It will probably be useful if you have some modelling or programming experience. You should also be creative because we do not tell you exactly what we expect from you for this assignment.

Supervision

One of our modelers will be your supervisor and you will work closely together on one of the Zenmo models to create the best possible product! There is also supervision for any academic writing that might be involved in this internship.