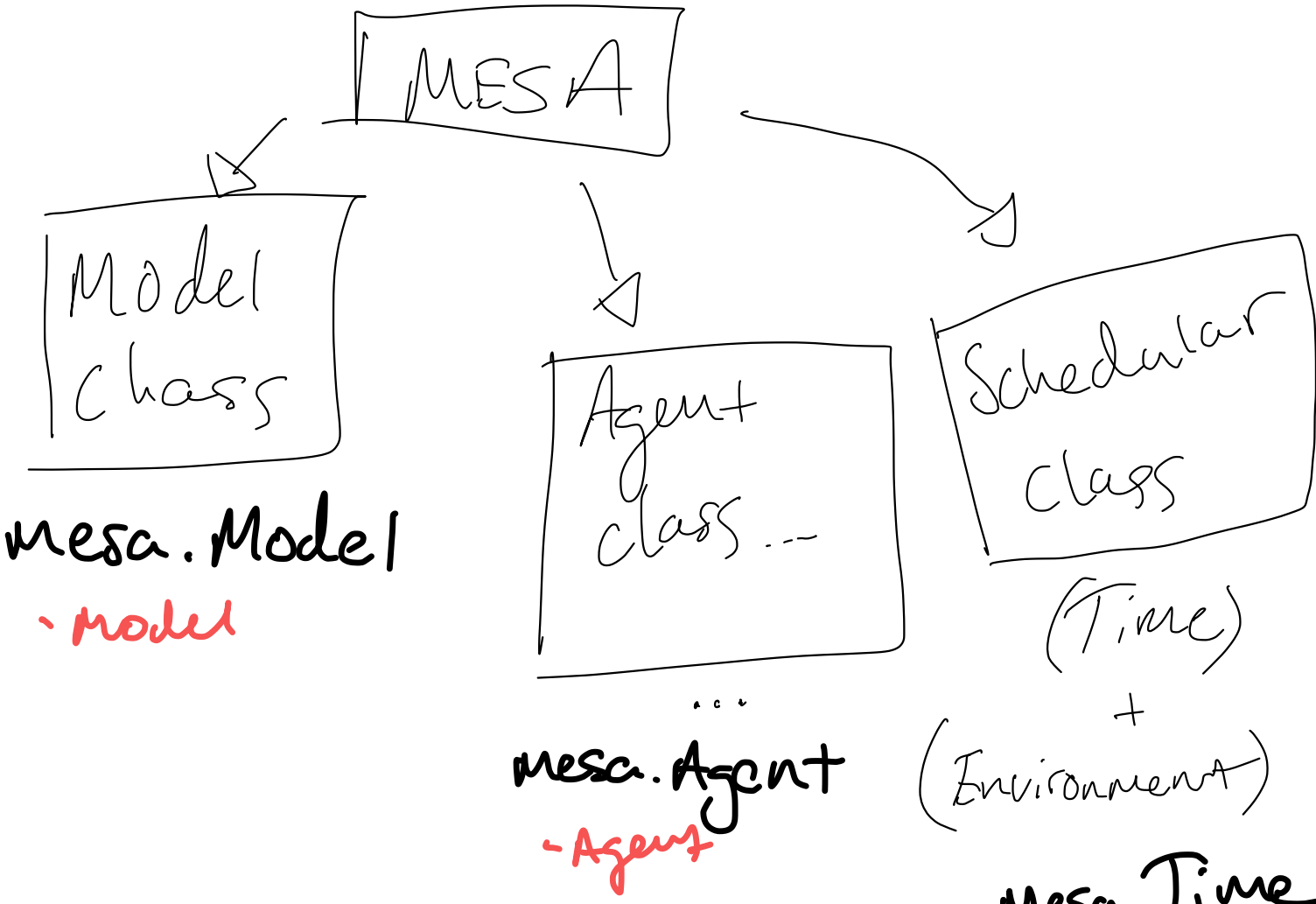


mesa.Model
- Model

mesa.Agent
- Agent

mesa.Time
- RandomActivation

mesa.Space
- MultiGrid

```
Model = MyModel(#)
```

number of Agents.

```
model.step()
```

Run the step method in the MyModel class.

Data collection and Batch running

Save and store variable values each model execution.

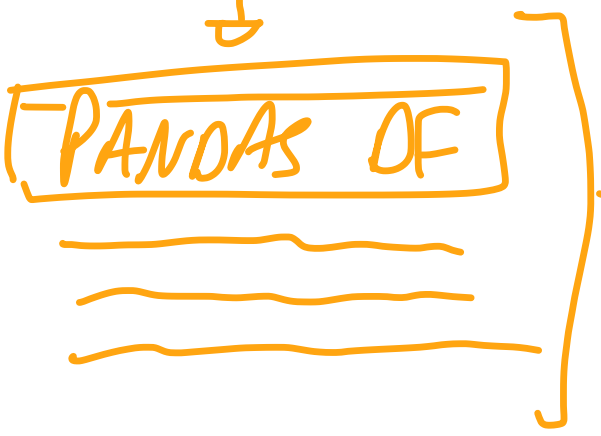
Running the model over time with different input parameters.

mesa.datacollection

- DataCollector (class)

mesa.batchrunner

- BatchRunner (class)



-> Analysis.

implemented in main.py.

requires:

- parameters

Analyse all results.

MESA visualisation

Observation

MESA visualisation API JavaScript.

Grid

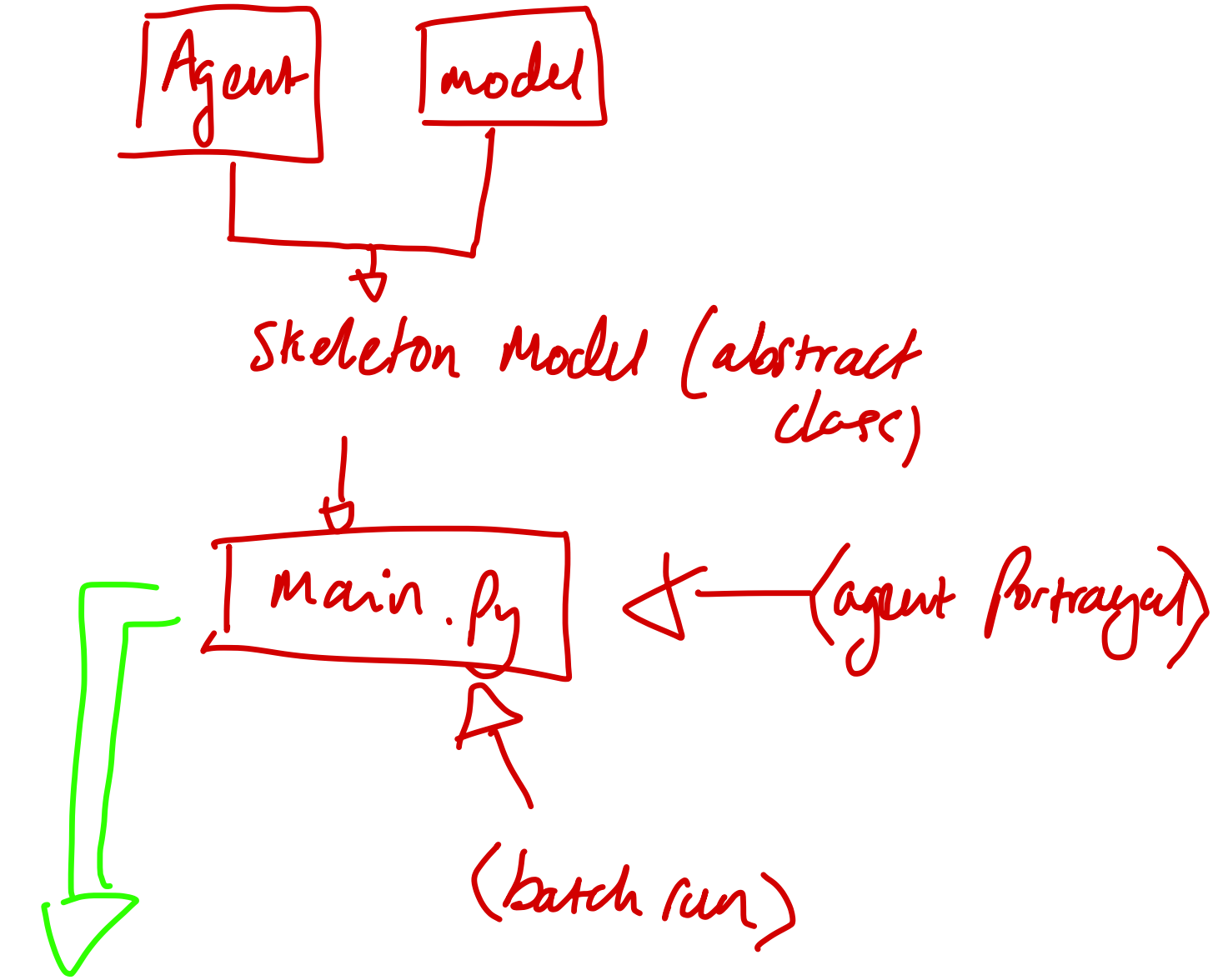
- Visualise agents moving.

Charts

- The change of variable value over time.

Classes

- Mesa.visualization.modules import CanvasGrid
- Mesa.visualization.ModularVisualization import ModularServer.



GOAL

- Urban observatory data
  - Model (MESA)
  - Simulation.