

minimal_model

March 29, 2021

1 Minimal model

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The shortest model ever

```
[1]: from cadCAD.configuration import Experiment
    from cadCAD.configuration.utils import config_sim
    from cadCAD.configuration import Configuration
    from cadCAD.engine import ExecutionMode, ExecutionContext, Executor
    import pandas as pd
    import numpy as np
```

```
[2]: MONTE_CARLO_RUNS = 1
    SIMULATION_TIMESTEPS = 100

    sys_params = {
        'parameter': [1]
    }

    genesis_states = {
        'something': 0
    }

    def s_something(params,
                    substep,
                    state_history,
                    prev_state,
                    policy_input):
        new_value = np.random.randn()
        return ('something', new_value)

    partial_state_update_blocks = [
        {
            'policies': {
```

]

52

by cadCAD

ExpIDs : [0]

Execution Mode: single_threaded
Total execution time: 0.01s

```
[4]: df = pd.DataFrame(raw_system_events)
df.set_index('timestep')['something'].plot()
```

[4]: <AxesSubplot:xlabel='timestep'>

