

# FF: Experiments

## Using BehaviourSpace

- Tools - BehaviourSpace - New
- Factors and values - density
- Repetitions - use average of multiple runs
- Outputs
  - burned-trees & initial-trees
  - $\% \text{burned} = (b / i) * 100$
- Only collect measures at end of run
- OK - Run



Experiment

Experiment name

Vary variables as follows (note brackets and quotation marks):

```
[ "density" 10 20 30 40 50 60 70 80 90 ]
```

Either list values to use, for example:  
["my-slider" 1 2 7 8]  
or specify start, increment, and end, for example:  
["my-slider" 0 1 10] (note additional brackets)  
to go from 0, 1 at a time, to 10.  
You may also vary max-pxcor, min-pxcor, max-pycor, min-pycor, random-seed.

Repetitions   
run each combination this many times

Measure runs using these reporters:

```
burned-trees  
initial-trees  
(burned-trees / initial-trees) * 100
```

one reporter per line; you may not split a reporter across multiple lines

☐ Measure runs at every step  
if unchecked, runs are measured only when they are over

Setup commands:

Go commands:

☐ Stop condition: the run stops if this reporter becomes true

☐ Final commands: run at the end of each run

Time limit   
stop after this many steps (0 = no limit)