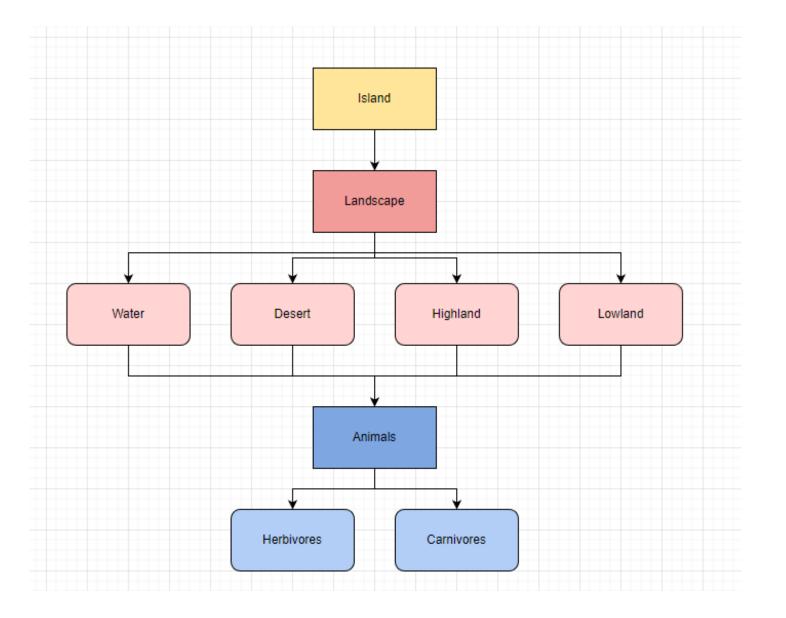
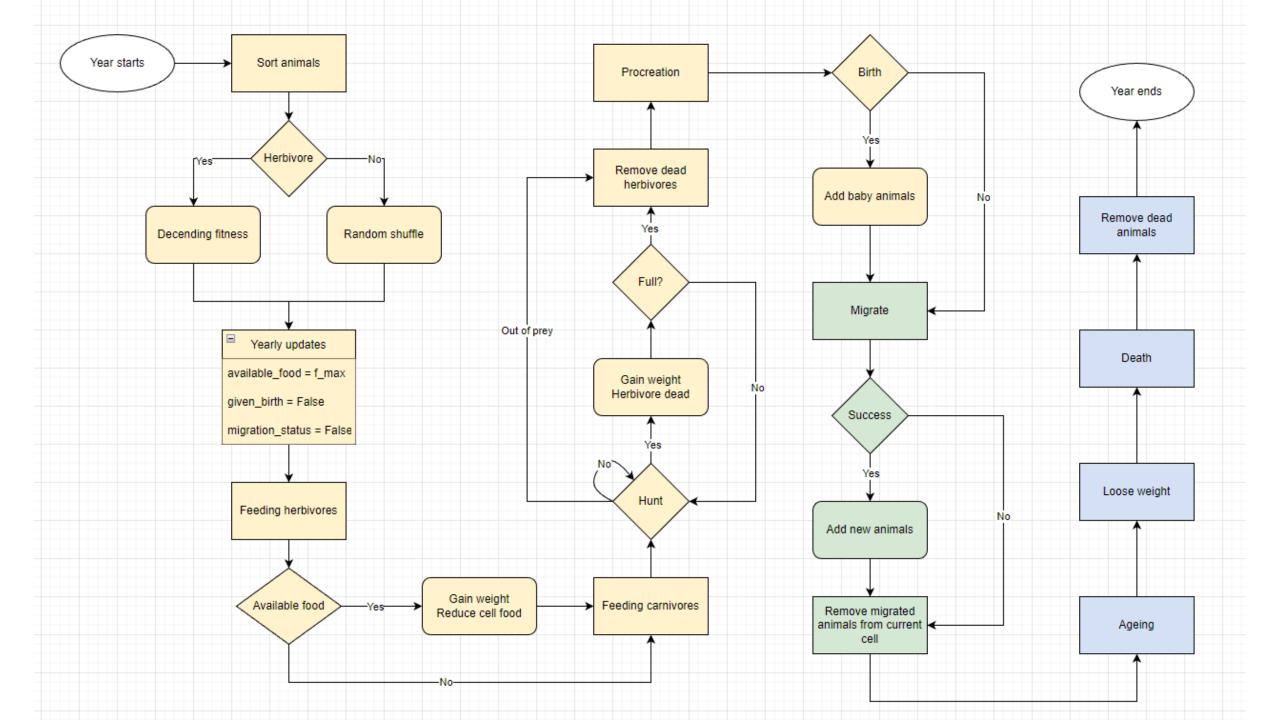
Biosim Prosjekt

Håkon Strand og Mohamed Atteyeh

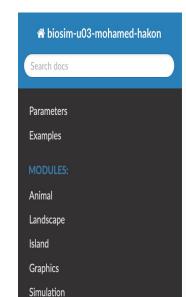
Class structure





Name	Call Count	Time (ms) ▼	Own Time (ms)
sample_sim.py	1	156424 100.0%	0 0.0%
simulate	1	117727 75.3%	125 0.1%
year_loop	400	113828 72.8%	711 0.5%
feeding_carnivores	112800	55361 35.4%	405 0.3%
hunt	1687625	54955 35.1%	28760 18.4%
<bul><built-in builtins.input="" method=""></built-in></bul>	1	37853 24.2%	37853 24.2%
procreation	112800	21878 14.0%	2607 1.7%
give_birth	3951092	18959 12.1%	1541 1.0%
<bul><built-in builtins.sorted="" method=""></built-in></bul>	1804600	16815 10.7%	5260 3.4%
migrate_to_new_cell	112800	11973 7.7%	778 0.5%
fitness	240676124	11335 7.2%	11335 7.2%
<lambda></lambda>	86911167	10372 6.6%	6886 4.4%
fitness_update	15768660	9550 6.1%	8303 5.3%
init	1606809	9143 5.8%	7410 4.7%
migrate_animals	112800	8428 5.4%	2055 1.3%
_check_birth_conditions	3951092	7985 5.1%	3369 2.2%
aging	112800	6411 4.1%	100 0.1%
	225600	6306 4.0%	1328 0.8%
loss_of_weight	112800	5382 3.4%	74 0.0%
	225600	5304 3.4%	598 0.4%
init	537320	5108 3.3%	96 0.1%

coverage: platform darwin, python 3.8.13-final-0						
Name	Stmts	Miss	Cover			
.tox/py38/lib/python3.8/site-packages/biosim/initpy	3	0	100%			
.tox/py38/lib/python3.8/site-packages/biosim/animal.py		3	99%			
.tox/py38/lib/python3.8/site-packages/biosim/graphics.py		27	85%			
.tox/py38/lib/python3.8/site-packages/biosim/island.py		2	99%			
.tox/py38/lib/python3.8/site-packages/biosim/landscape.py		0	100%			
.tox/py38/lib/python3.8/site-packages/biosim/simulation.py	81	10	88%			
TOTAL	782	42	95%			
======== 112 passed in 3.20s ====================================	======		=====			
summary						
py38: commands succeeded congratulations :)						



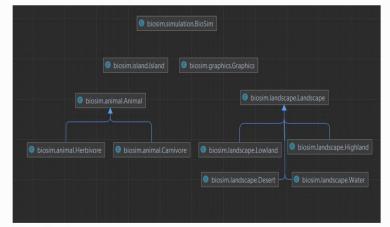
Docs » BioSim documentation

BioSim documentation

The BioSim package consists of several modules used to simulate and paint graphics of the population dynamics in Rossumøya. It is a rather simple dynamic showing a population of herbivores and carnivores. The carnivores hunt the herbivores, while the herbivores feed on vegetation. Different land types supply different amount of fodder and currently we have no species that can stay in water. To see an overview of land supply, as well as other parameters used as calculation metrics in the simulation, see parameters. It is also possible to view examples of simulations as well as code snippets on how to execute.

View page source

You can get a rough overview of how the code in the package is currently structured from the image below.



Installation

If you wish to install the package, please follow this short guide on how to do so.

