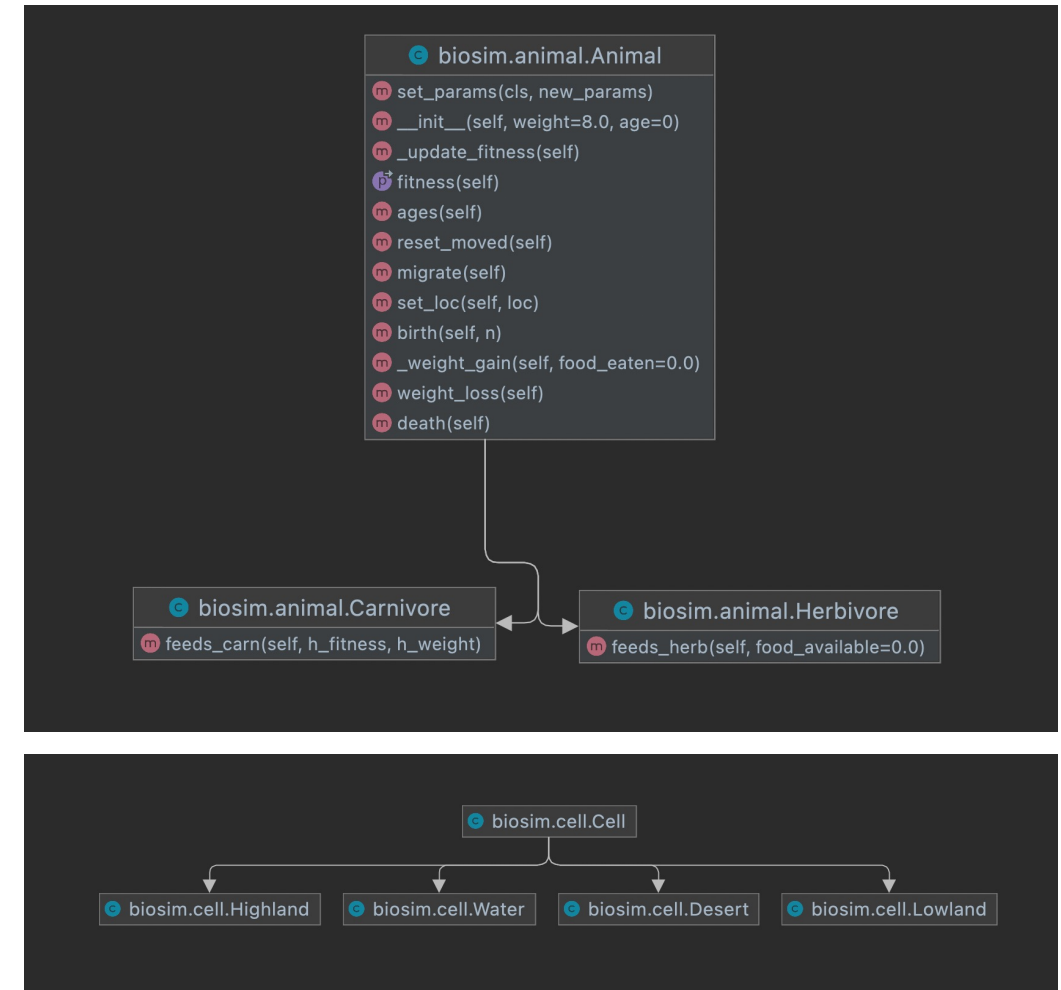# BioSim

-KLASSESTRUKTUR

-TESTER

-DOKUMENTASJON

-VISUALISERING

Klassestruktur

- Encapsulation
- Underklasser
- Arv

Tester og dokumentasjon

- 93 % coverage

- Fixtures

- Parameterization

- Statistiske tester

Welcome to BioSim's documentation!

BioSim is a package for population dynamics on an island. The package allows the user to simulate and visualise the population dynamics between herbivores and carnivores on an island with four different landscape types.

The key points:

- Contains two animal species: herbivores and carnivores.
- Contains four different landscapes: lowland, highland, desert and water.
- Herbivores eat fodder while carnivores eat and kill herbivores.
- Animals can move to a new cell once per year.
- Visualisation of population dynamics over time. Visualisation includes a line plot over totalnumber of animals per species, animal distributions, the island map and histograms of the animals' fitness, weight and age.

Contents:

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