MPHYG001 Assignment 2: Refactoring Boids

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Introduction/Usage

For this assignment, the task was to take the Boids code[1], packaging it up into a form that can be `pip` installed and run from the command line. This code may be found at the GitHub repository `ddervs/bad-boids`. The usage of the packaged function is shown below (the output of `boids --help`).

```
usage: boids [-h] [--config CONFIG] [--example_config]

Runs the boids simulation.

optional arguments:
  -h, --help        show this help message and exit
  --config CONFIG   YAML file with simulation options. See README.md or use
                    --example-config option for specification.
  --example_config  Saves default config file to current working directory.
```
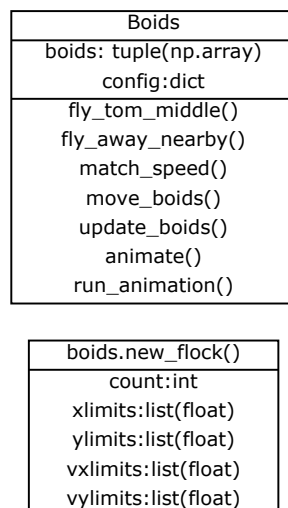
Refactorings

UML Diagram

Figure 1: UML diagram of `boids` package.

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[1] http://development.rc.ucl.ac.uk/training/engineering/ch05construction/10boids.html