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# **Gaia densitycomputations Plugin Documentation**

***Release 0.1.0***

**Gaia Developers**

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This is a plugin for Gaia (<https://github.com/OpenDataAnalytics/gaia>) that calculates the point density of a dataset given a raster grid of a specified size (in columns and rows). The current implementation performs a simple calculation of adding the number of points within each grid cell.

An example of how to use this plugin can be found [here](#).



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# Installation

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- `git clone https://github.com/OpenDataAnalytics/gaia-densitycomputations-plugin.git`
- `cd gaia-densitycomputations-plugin`
- `pip install -e .`
- `pip install -r requirements`





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### Testing

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- `pip install -r requirements-dev.txt`
- `python -m unittest discover`



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## Table of Contents

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### 3.1 `gaia_densitycomputations` package

#### 3.1.1 Submodules

#### 3.1.2 `gaia_densitycomputations.processes` module

#### 3.1.3 Module contents