

Semester 1 2024
Astroinformatics I
Graded Practice 3

- Content: Application of what has been learned in class.
- Finished code, plots (if applicable to the tasks) and a short report in English summarizing your work is to be submitted at the end of our second session this week to this e-mail address: `nina.hernitschek@uantof.cl`
- You are allowed to work at this in between of our sessions, i.e. at home.
- Connecting to the internet is allowed.
- Working together/ sharing solutions is not allowed.
- If no programming language is specified chose what you think works best (i.e. Shell Script or Python).

1. Repeat the plots from graded practice 1, but now with Python using the light curve files from practice 2. For the plots, take into account how to make them more readable.

2. When you make the plots, can you identify outliers? Highlight them. Try writing code to identify at least the most extreme outliers.

3. Think about basic statistics to describe light curves, such as amplitudes, and implement at least two of them.