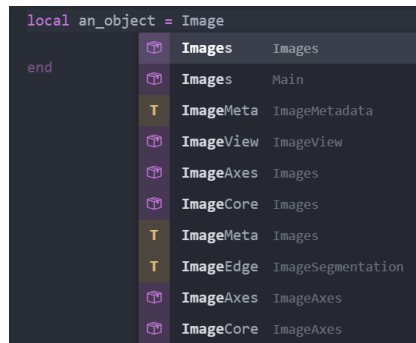
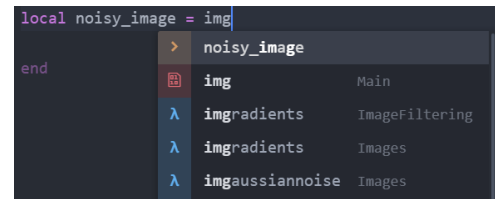


Jacob Kessler
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Undocumented deprecated functions in Julia Images package

The original goal of this project was to catalog and define missing entries in the Julia API. This project did not go as planned. The items were in fact deprecated. A deprecated piece of code means it is outdated, so it will often raise warnings in the console when trying to use them. However, these warnings were not seen until proper use of the functions were learned. Julia would raise an exception related to my arguments before the depreciation warning was triggered.

I found these functions from the IDE's auto-complete. As seen in the image on the right, the function "imggaussiannoise" was suggested as an autocomplete, however this was a deprecated function.



Another source of apparent undocumented items comes from how Julia handles packages intended to be used by other packages. As seen on the image on the left, there are several instances of Image related packages. They are reference items to the same packages, rather than different items entirely. So the package "ImageAxes" has documentation, but the package "Images.ImageAxes" does not.

Based on the above examples, it became clear that documentation of the missing and incomplete codes were not needed. They have already been replaced with newer, more effective code.

From this study, it is clear that using online resources is a must when planning to do independent research, since there were discussion threads talking about these items and their depreciation.

Moving forward I am planning a project that is more discrete in it's goal so there will be no room for uncertainties that halted the progress of the current one.

Some JuliaImages deprecated functions

cie_color_match
accum
atindex
atvalue
dilate!
modax
_clahe
spatialorder
axnametype
assess_msssim