

## **array2d2, a column-major array library for the Mercury language**

This library has been straightforwardly adapted from the language library `array2d.m`.

The code in `array2d2.m` is subject to the same licensing conditions as those of the original Mercury source code (see `COPYING.LIB` and `COPYING`).

### **Motivation**

This library proposes to store 2d data in column-major order, while the standard library uses row-major order.

This will facilitate interfacing with statistical software (like R and Python libraries), which often store 2d data in column-major data tables (like R's data frames).

The expected benefit is that, if used properly in conjunction with appropriate representations of empirical issues, transposing operations should be avoided, with the related processing overhead.

### **Building**

Just run `make` (or `make clean` to clean up the build).

A small test file will be compiled together with the library.