JavaScript
For Science!
CODE FOR SCIENCE
Precision arithmetic
Memory efficiency
Parallel processing
File and network I/O
Native code
GPU compute
N-dimensional arrays
webdata

Discussion of numeric computing/data science on the web (JavaScript)

Discussion Topics

- 64-bit integers
- Memory efficiency: Typed Objects/Value Types
- Concurrent data processing
- File and network I/O
- Native code (WebAssembly/Node native addons (for porting/running C++ to JS))
- GPU compute
- N-dimensional arrays

Have another one? Open an issue to discuss!

Introduction

In the field of data science there is a sub-category called numeric computing. Data science itself encompasses everything from finding data, cleaning data, analyzing data, statistically modelling data, etc.

Numeric computing refers specifically to any aspect of those steps which requires loading and working with numeric data. Often times this data can be very large, very precise, or highly dimensional.

The three most popular languages for numeric computing today are C/C++, Python and R. I recommend watching the