Programming Leftovers

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- Using AWK with CSV Files [2]

Unfortunately, things get more complex from there.

CSV files can contain commas, line-breaks, and delimited quotes within the quoted values, which is great for storing data in a CSV file, but is something that AWK is just not well suited to handle: [...] 

- Dirk Eddelbuettel: nanotime 0.3.4 on CRAN: Maintenance Update [3]

Another (minor) nanotime release, now at version 0.3.4, arrived at CRAN overnight. It exports some nanoperiod functionality via a C++ header, and Leonardo and I will use this in an upcoming package that we hope to talk about a little more in a few days. It also adds a few as.character.*() methods that had not been included before.

nanotime relies on the ReppCCTZ package for (efficient) high(er) resolution time parsing and formatting up to nanosecond resolution, and the bit64 package for the actual integer64 arithmetic. Initially implemented using the S3 system, it has benefitted greatly from a rigorous refactoring by Leonardo who not only rejigged nanotime internals in S4 but also added new S4 types for periods, intervals and durations.

- Dirk Eddelbuettel: RcppArmadillo 0.10.7.3.0 on CRAN: Bugfix, New Features [4]

Armadillo is a powerful and expressive C++ template library for linear algebra aiming towards a good balance between speed and ease of use with a syntax deliberately close to a Matlab.
RcppArmadillo integrates this library with the R environment and language and is widely used by (currently) 928 other packages on CRAN.

I somehow missed to blog and tweet about the recent release based on the Armadillo 10.7.3 upstream release. Conrad is in ‘long-term support mode’, and 10.7.* is meant to provide fixes and stability relative to the most recent release which we did on September 30. We did actually find a regression when checking reverse-dependencies requiring an upstream move to 10.7.3. At the same time, we folded pull request #352 in. It addresses an old bug of ours where Armadillo fields types were not converted correctly in all dimensions.

PHP Established New Non-Commercial Organization PHP Foundation[5]

The reasons behind the establishment of the PHP Foundation is that one of the key contributors, Nikita Popov, has decided to switch his focus away from PHP to LLVM.

You might think that large open source projects are well-funded, but this is not true. In fact many of them rely on a small group of maintainers, as is exactly the case with PHP.

Despite being used by 78% of the web, PHP only has a few full-time contributors.

Nikita Popov, a well-known long-time PHP ecosystem contributor, is the author of generators, variadic functions and argument unpacking, engine exceptions, uniform variable syntax, and many other PHP contributions. He is also known for PHP Parser which laid the groundwork for many other tools.

Popov started working on PHP in 2011 and worked on PHP at JetBrains with the PhpStorm team, making significant contributions to three major releases there ? PHP 7.4, PHP 8.0, and PHP 8.1.

Source URL: http://www.tuxmachines.org/node/158368

Links:
[3] http://dirk.eddelbuettel.com/blog/2021/11/24#nanotime_0.3.4
[4] http://dirk.eddelbuettel.com/blog/2021/11/18#rcpparmadillo_0.10.7.3.0