

Maintaining a package on CRAN

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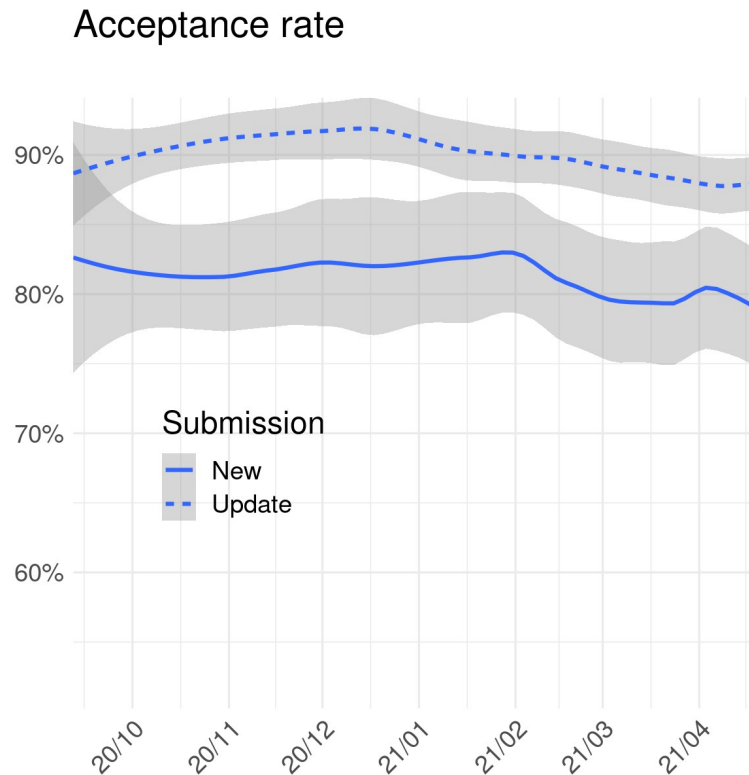
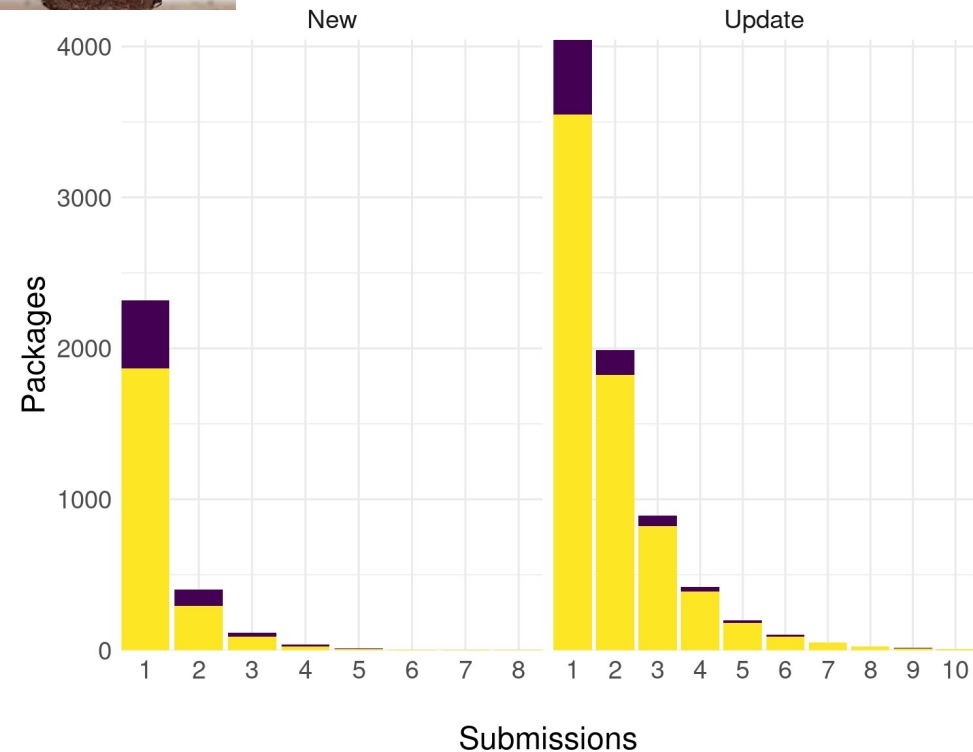


CRAN is a garden





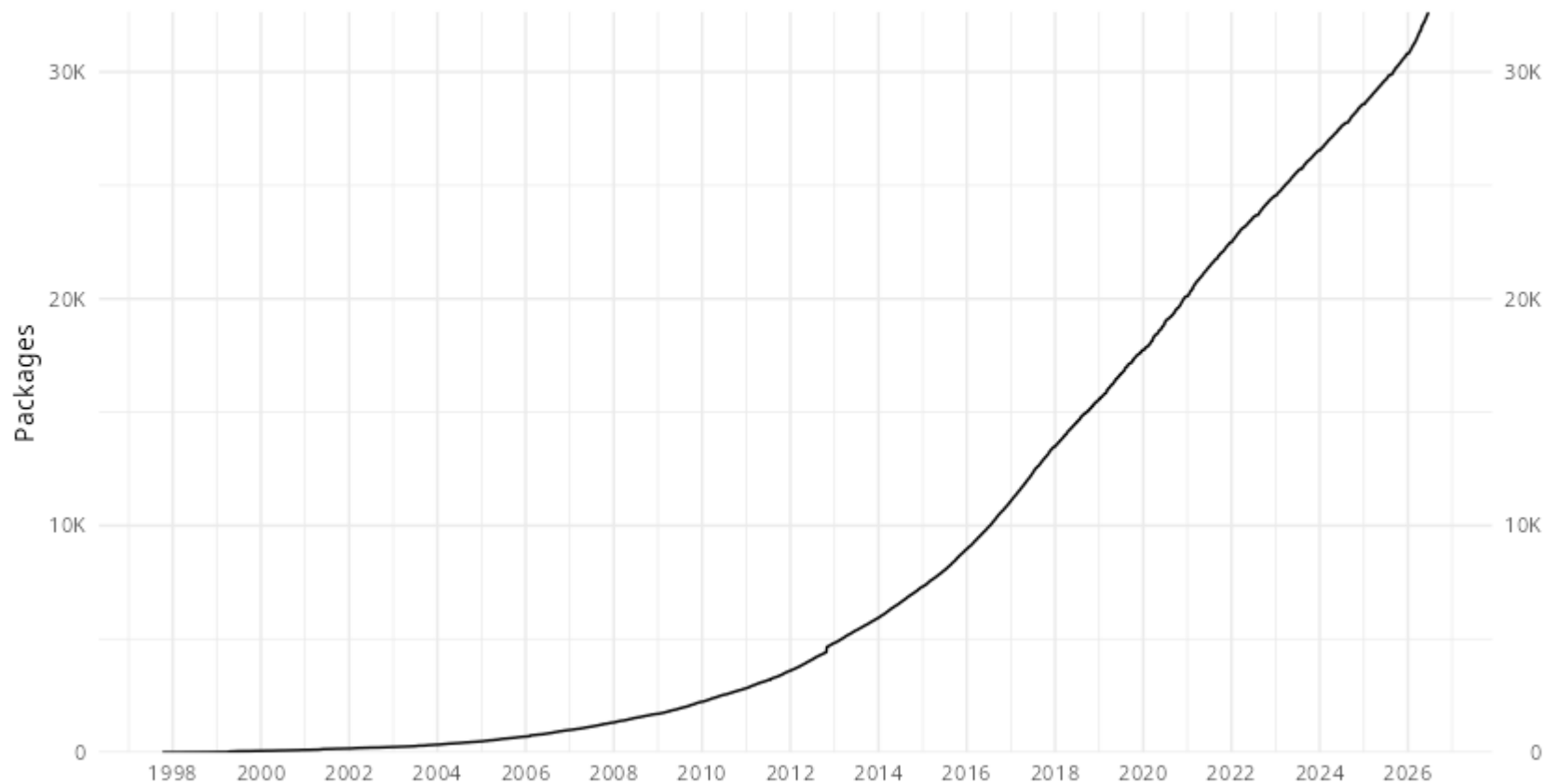
Publishing a package on CRAN



<https://llrs.dev/talk/user-2021/>



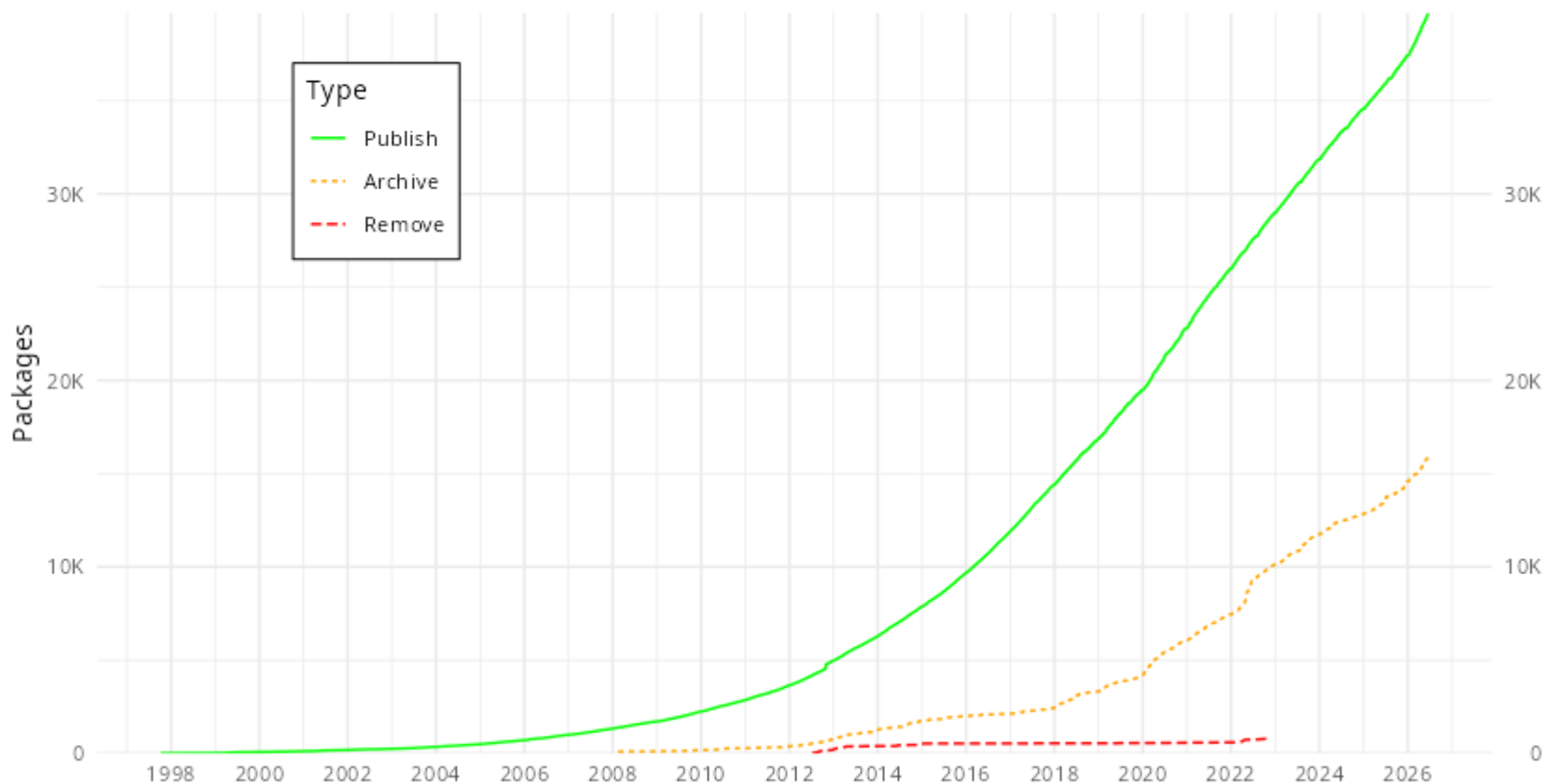
Total packages on CRAN archive
Counting archived and removed packages





Packages published and those which were archived

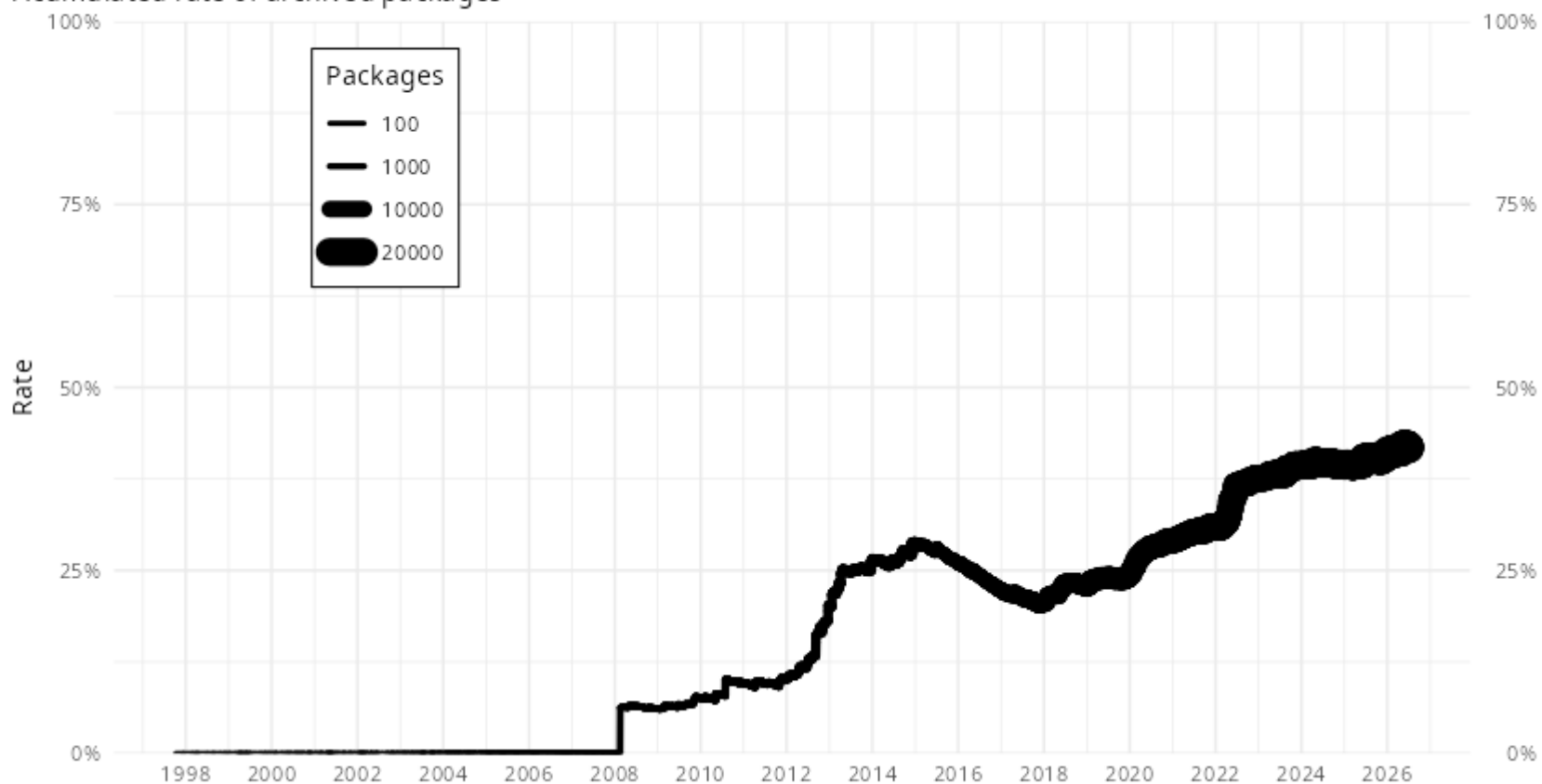
Published vs archived





Rising rate of packages archived

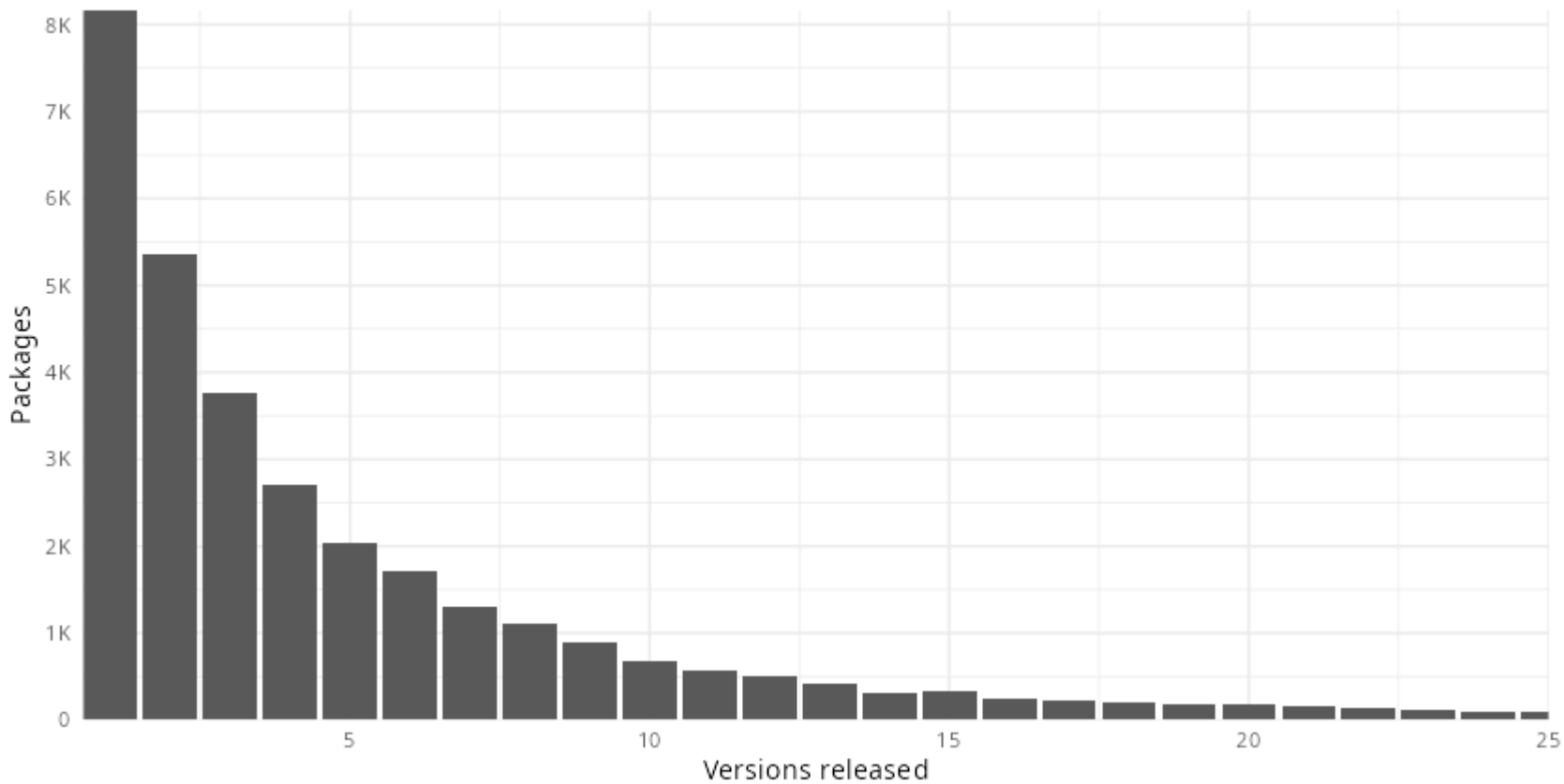
Acumulated rate of archived packages





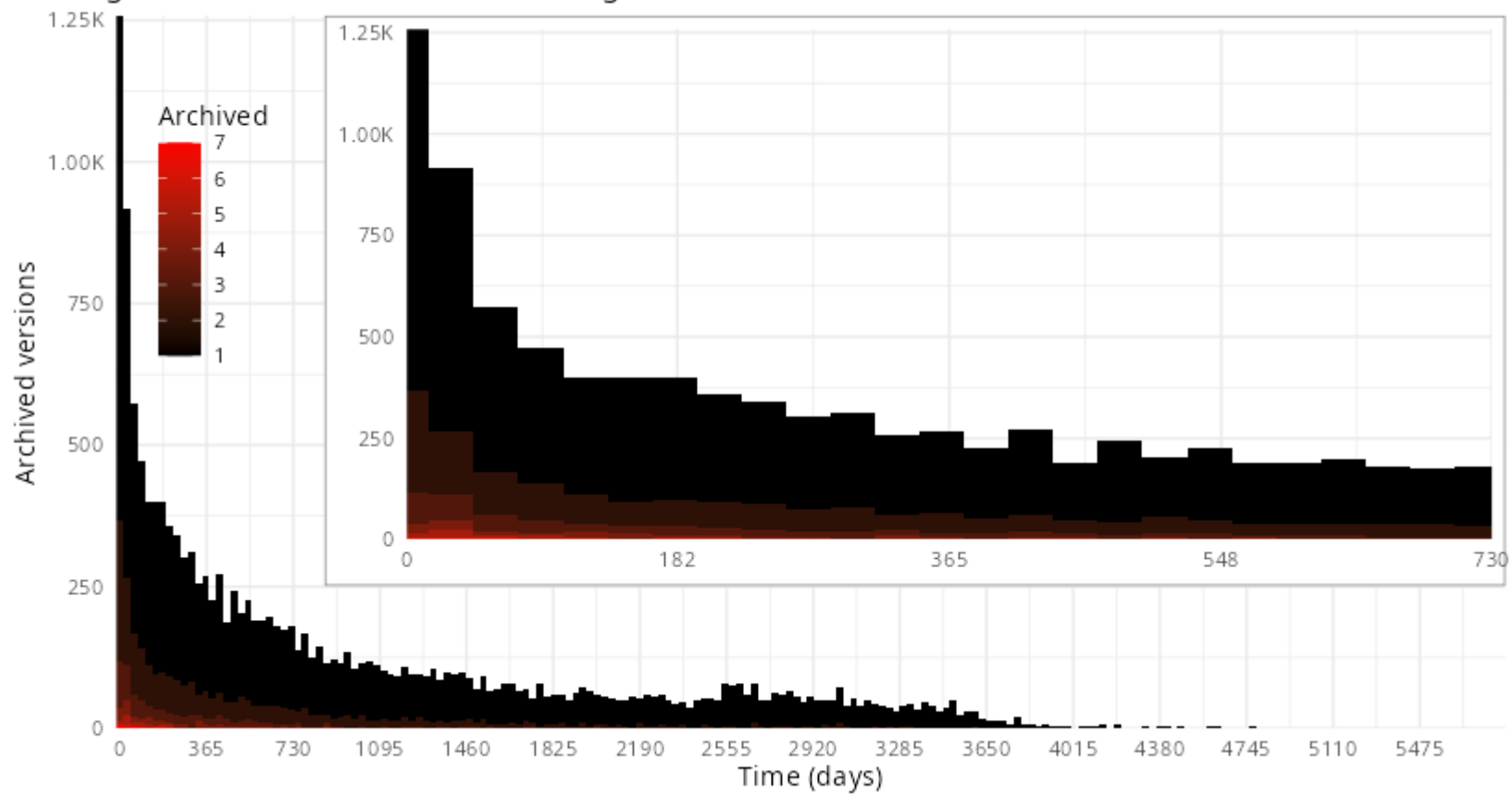
Most packages release very few versions

Versions released





Package time on CRAN before archiving

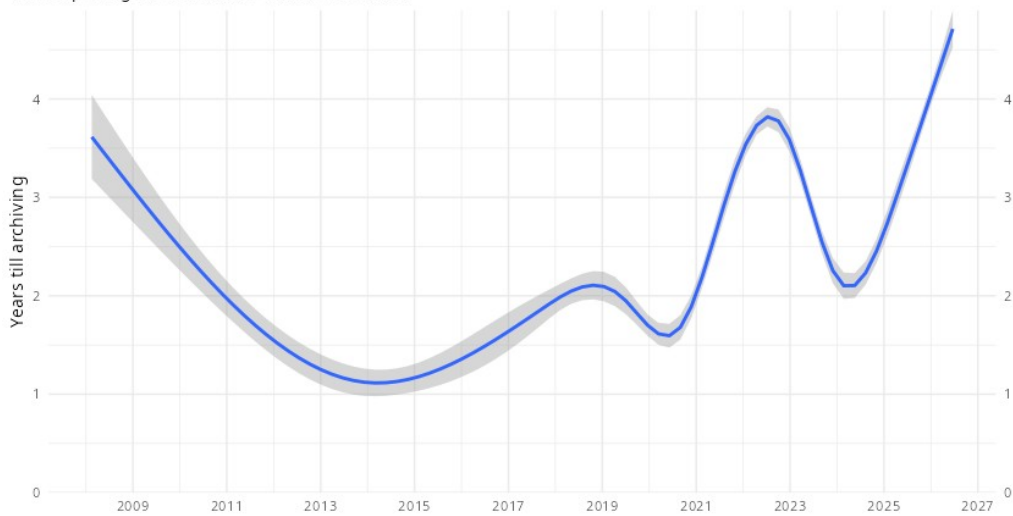




Archived versions: how long do they stay?

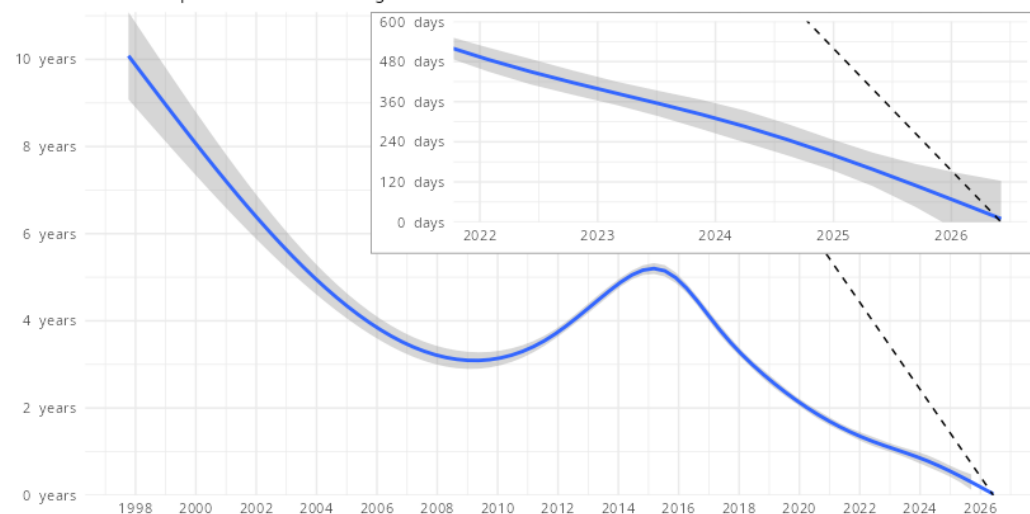
Archiving older versions

Time a package was available till it was archived



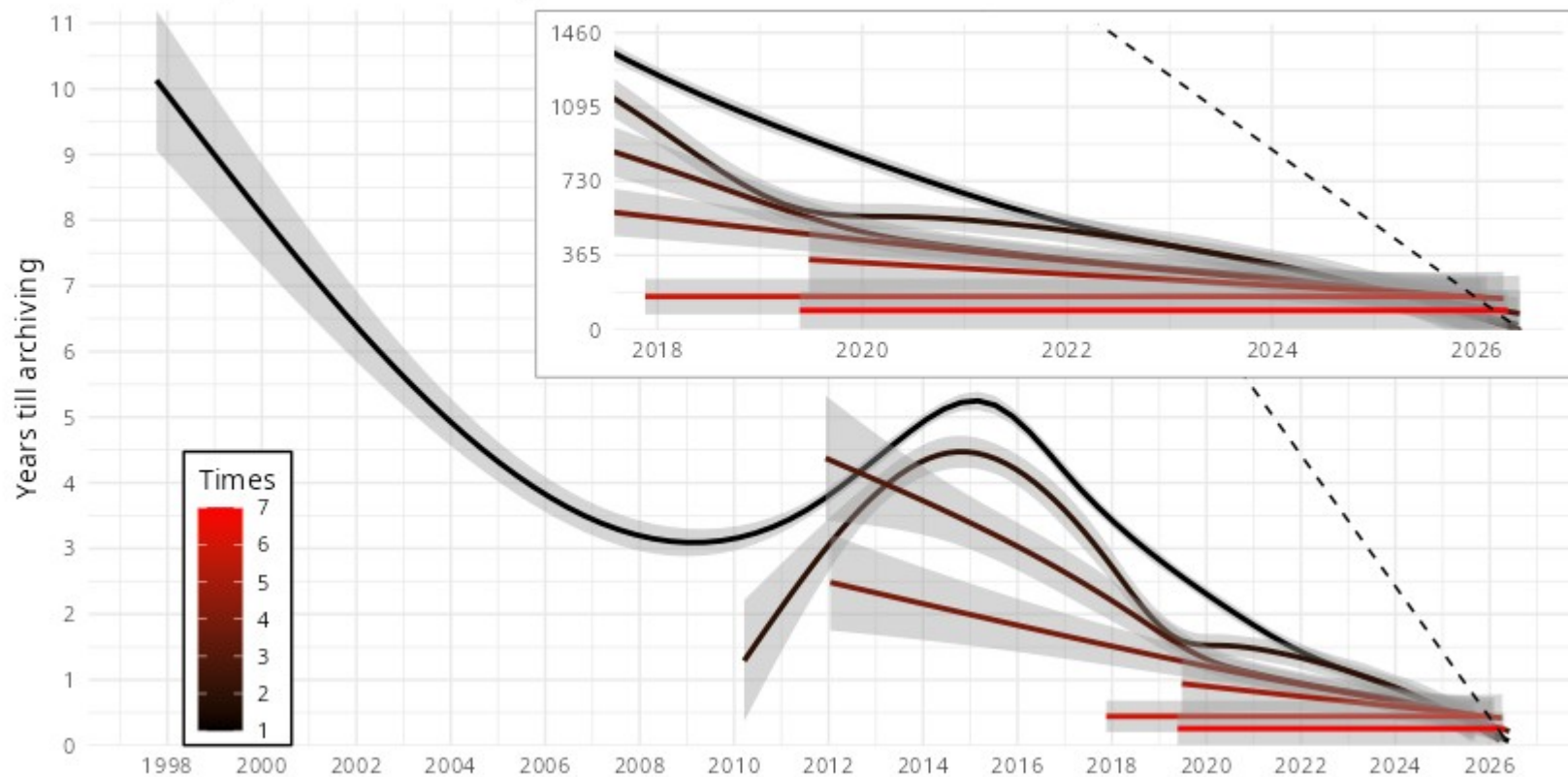
Packages are archived sooner

Time from publication to archiving





Packages are archived sooner Time from first publication to archiving

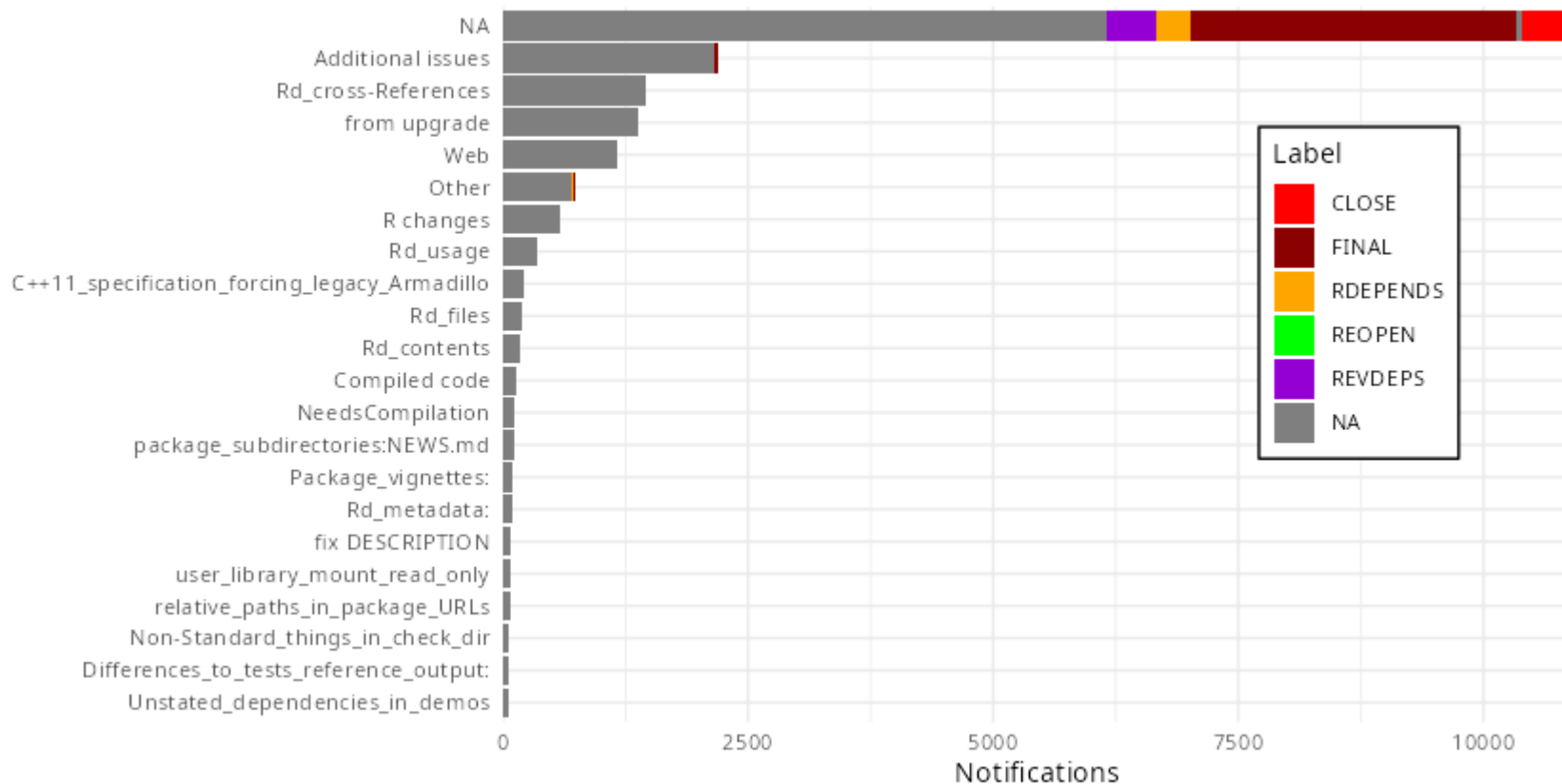




What causes these

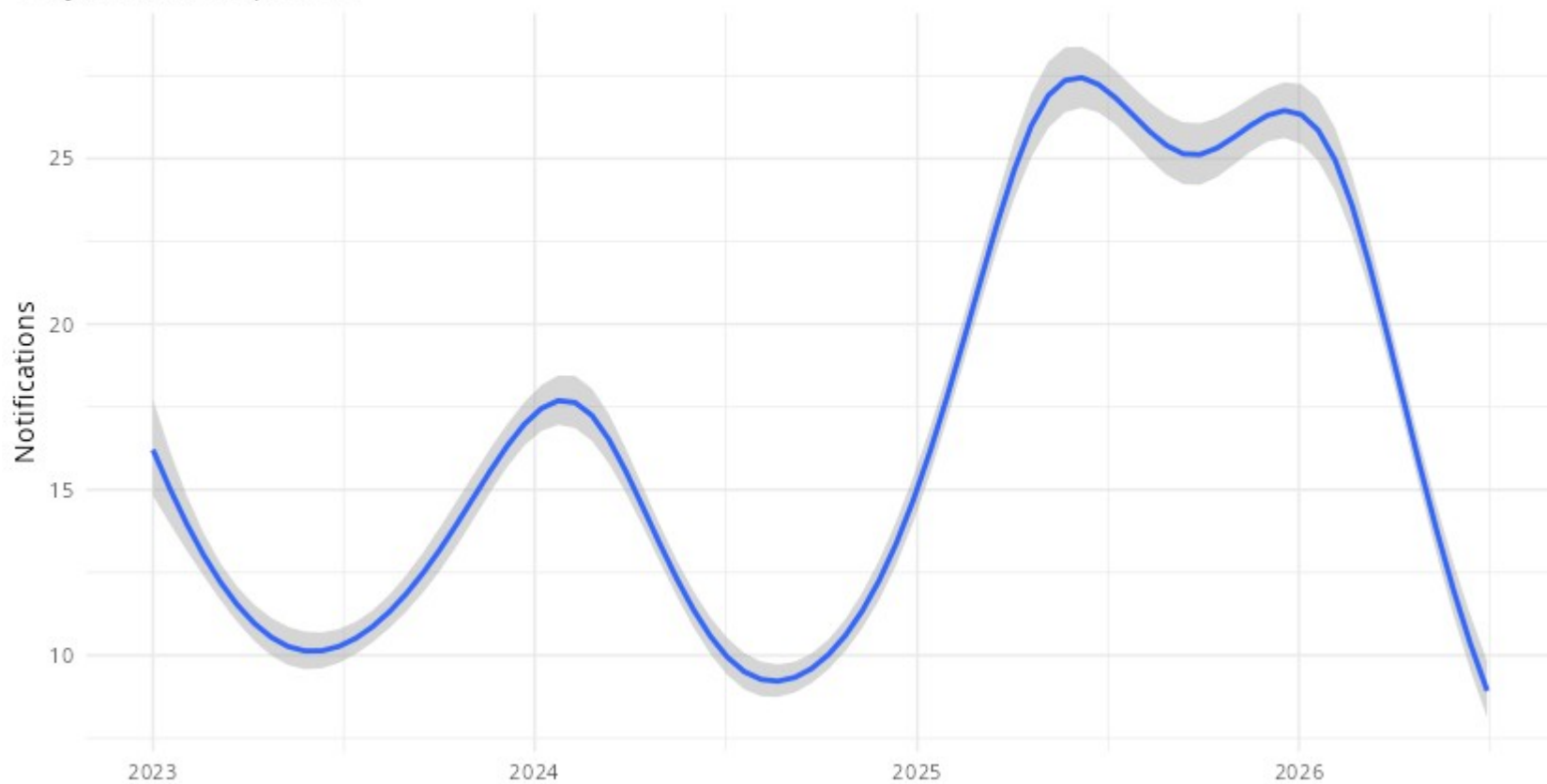
Most common reasons are unknown or very particular

Notifications reasons



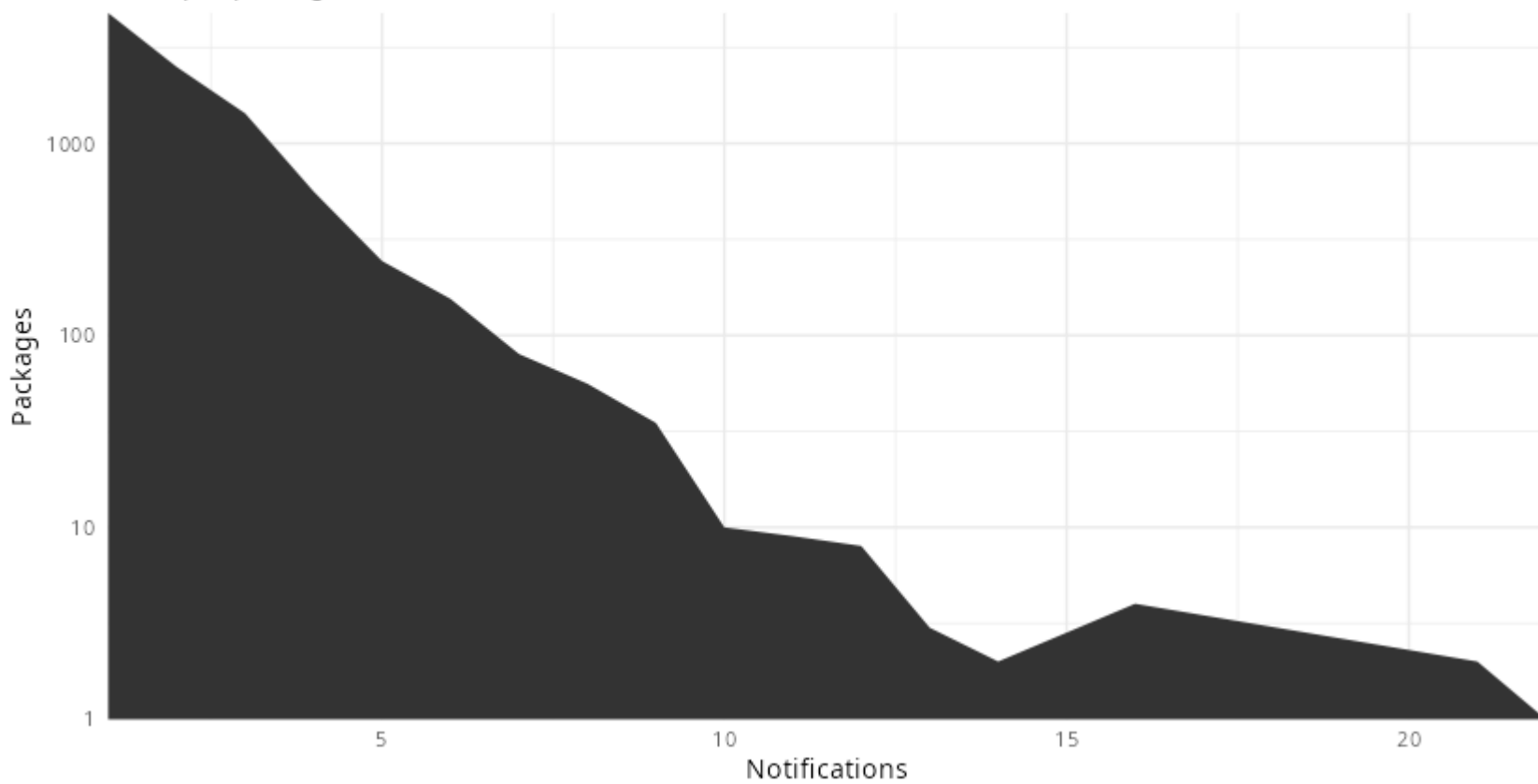


There has been a peak of notifications
Daily notifications per date





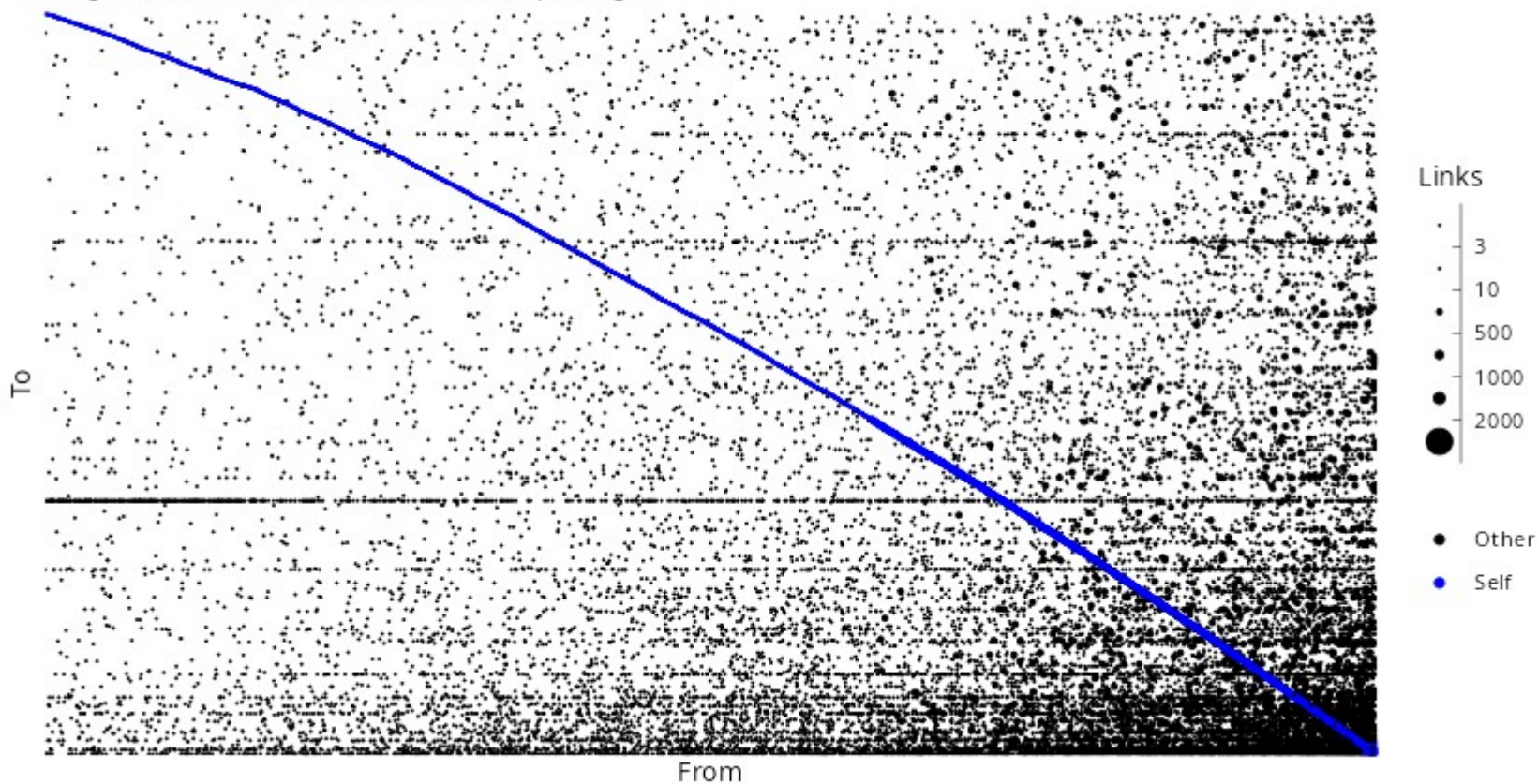
Some packages receive a lot of notifications
Notifications per package





Linking packages by the documentation

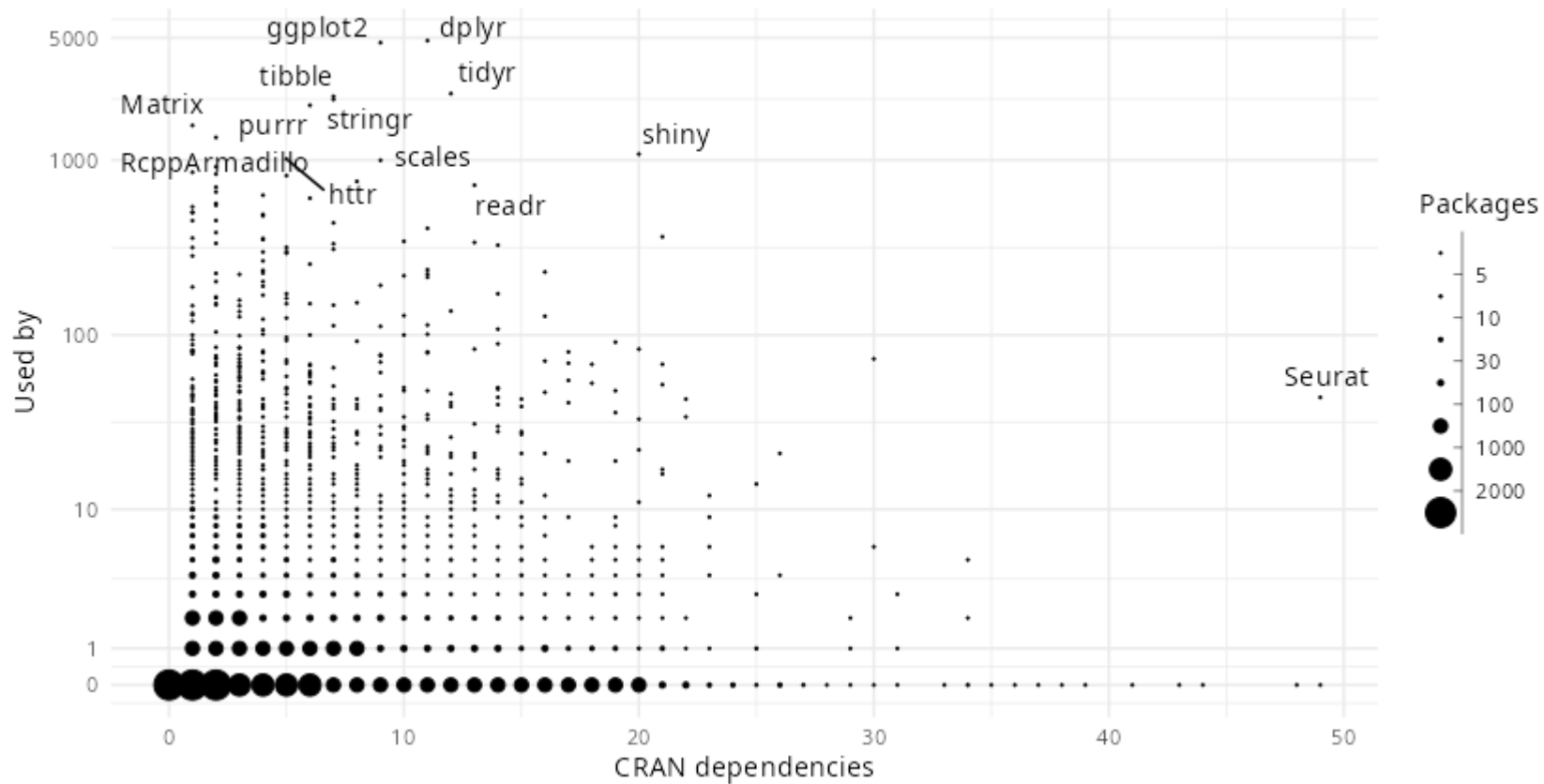
Packages with cross-references to CRAN packages





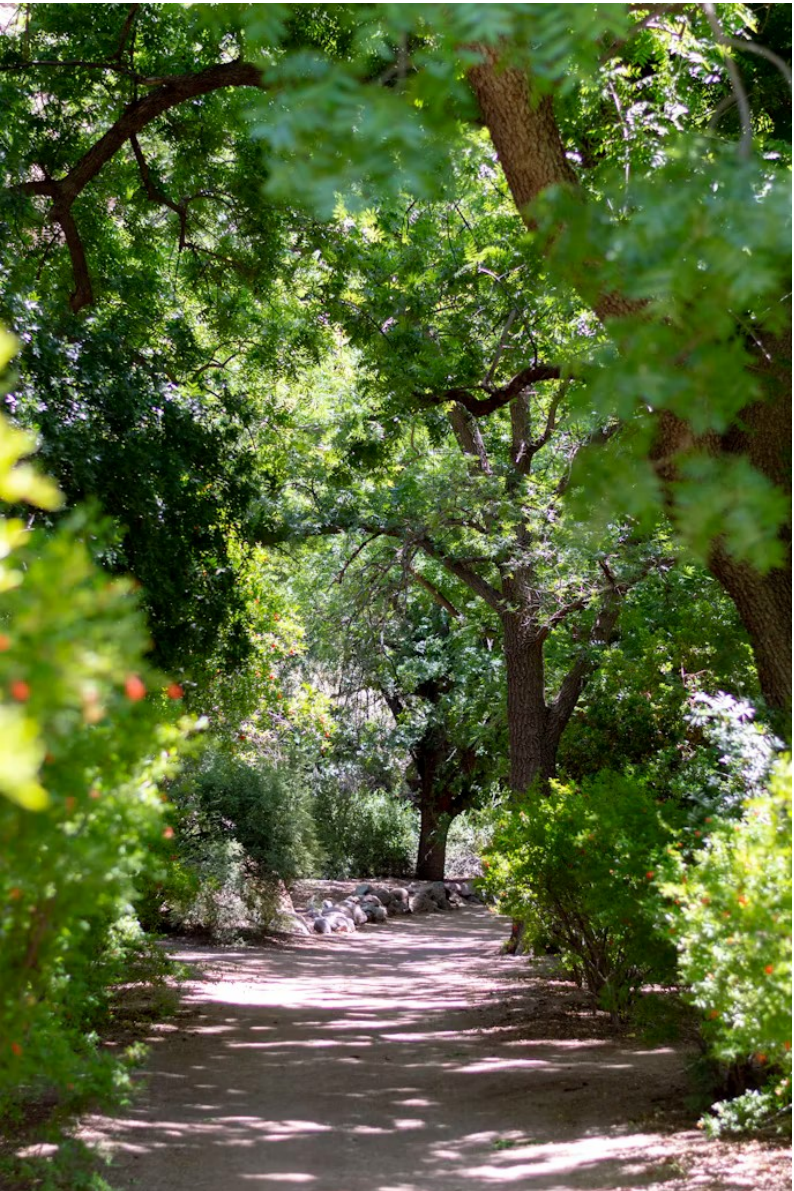
Packages dependencies on CRAN

Relationship between dependencies and reverse dependencies



Conclusions

- Keep the package simple (KISS rule)
- Any time might require updates on code or documentation
- You are not alone



Final ideas

- 01 Thanks to R & CRAN team
- 02 Thanks to all maintainers
- 03 Think in the long term

Empirical cumulative distribution plot of dependencies

