

Repository Activity Status (AS)

This represents how active a repository is.

Factors to be considered are:

Updated timestamp- Time stamp of when the repository was last saved by libraries.io and

Last pushed timestamp- Timestamp of when the repository was last pushed to.

Repository Status- Either Active, Deprecated, Unmaintained, Help Wanted, Removed, no value also means active.

To check activity in last x days (where x is user specified) – if the updated or last pushed timestamp is within the range of x the repository can be shown as active.

Some repositories have a status label which can also be checked.

Repository reliability score (RS)

(SR) Source rank- Each repository is assigned a score based on quality, popularity and community metrics. Higher the score more popular it is which could mean it's more reliable.

(SC) Repository stars count- Number of stars on the repository (which could have been as a bookmark for easier access) or to upvote the repository. In either case, higher the star count more reliable the repo. (Would this need to be normalized?)

(OI) Repository open issues count- Number of open issues on the repository bug tracker.

(W) Wiki enabled: Is the wiki enabled for this repository? Can give an idea of how well documented the code is. (Could be more reliable if it is wiki enabled) This would be a binary answer, 1 for yes and 0 for no.

This could be one way of evaluating the reliability score.

$$RS = SR + SC - OI + W$$