The Editor Model™

one metric to rule them all

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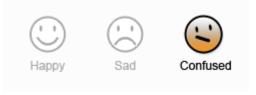
Problem

Measure the size of the "active" population of registered contributors to a project in any given period.

Legacy metric

Monthly Active Editors

How do you feel about Monthly Active Editors today



Requirements for a new metric - 1

Should measure the impact of

user acquisition

short-term retention

long-term retention

on monthly active editors

Requirements for a new metric - 2

Should track Monthly Active Editors (when rolled up on a calendar monthly basis)

Should be computable on a daily basis with no lag

Should have no dependency on the dumps

Should use 5+ edits for engagement, 30-day periods for retention

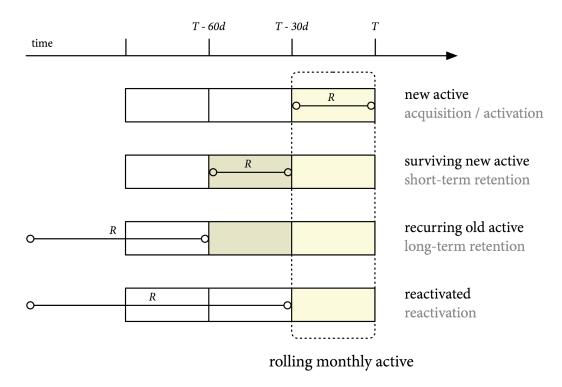
Who are active editors?

New users who **became active** for the first time in a month;

Recently registered users who remained active (or survived) in a month;

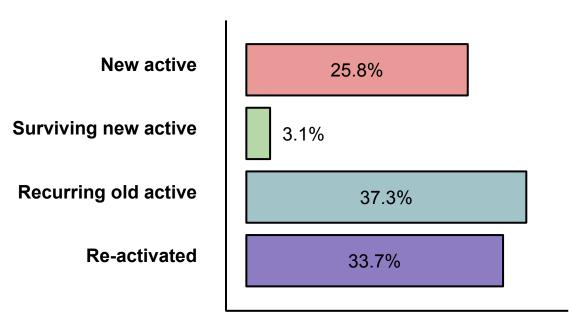
Previously registered users who either **remained active** or **were reactivated** in a month.

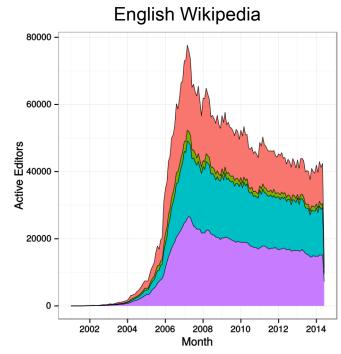
Rolling monthly active editors



https://meta.wikimedia.org/wiki/Research:Rolling monthly active editor

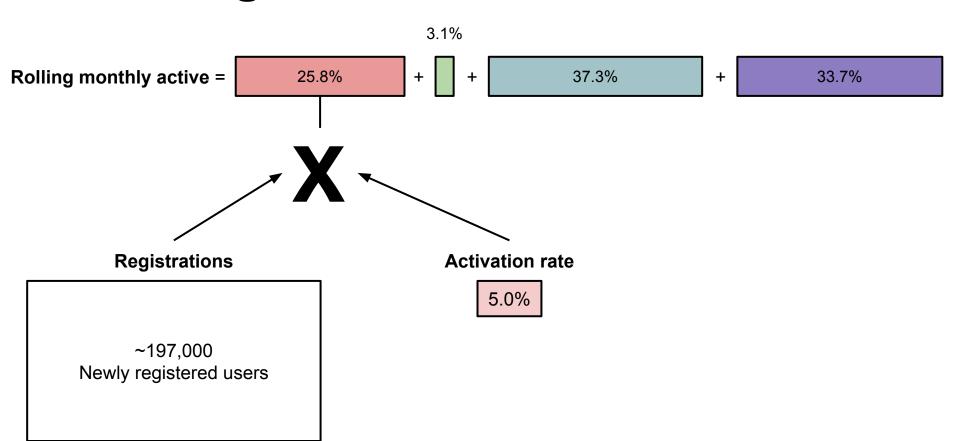
Rolling monthly active editors



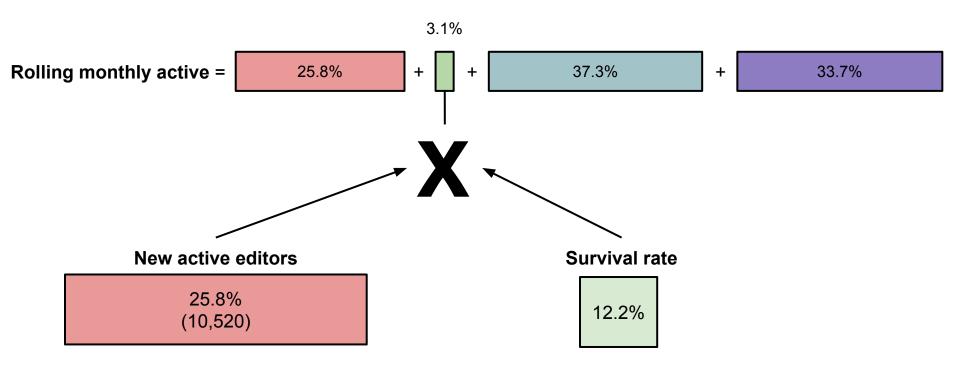


Rolling monthly active = 25.8% + + 37.3% + 33.7%

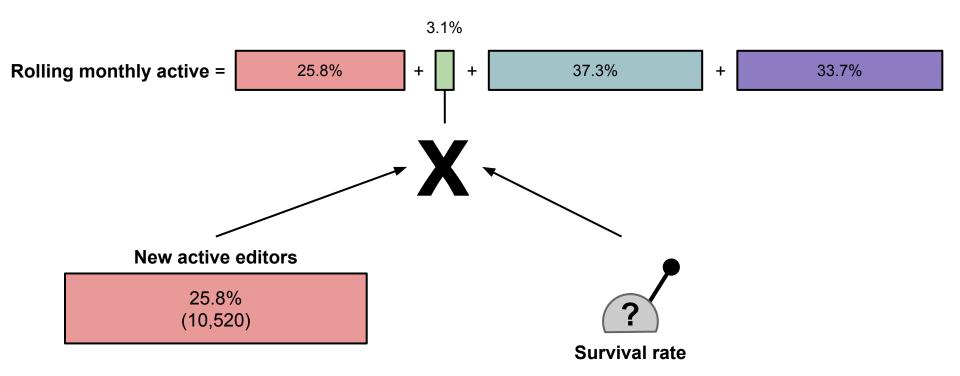
Breaking it down



Breaking it down



Breaking it down



ALGEBRA

when am I ever
when am i ever going to use this
when am i ever going to use algebra
when am i ever going to use calculus
when am i ever going to use this poster

ALGEBRA

```
total_active = new_active + surviving_new_active + recurring_old_active + reactivated
total active = reg  * activation rate + new active * survival rate + recurring old active * survival rate + reactivated
0.4989 ) + 13880 ) * 0.4989 + 13880
(43481.75 - 13880)
29601.75 = 210835 * 0.05305 + 11185 * X + ((11185 * X ) + ((11185 * X + 15028 + 13880)
0.4989 ) + 13880 ) * 0.4989
  (29601.75 / 0.4989)
59334.03 = 210835 * 0.05305/0.4989 + 11185 * X / 0.4989 + (11185 * X ) + ((11185 * X + 15028 + 13880)
0.4989 ) + 13880
      = 22418.92 + X * 22419.32 + X * 11185 + (X * 11185 + 15028 + 13880)
0.4989 + 13880
    (22418.92 + 13880)
      = 36298.92 + X * 22419.32 + X * 11185 + (X * 11185 + 15028 + 13880)
0.4989
 (59334 - 36298.92)
23035.08 = X * 22419.32 + X * 11185 + (X * 11185 + 15028 + 13880) * 0.4989
  (23035.08/0.4989)
46171.74 = X * 22419.32 / 0.4989 + X * 11185 / 0.4989 + X * 11185 + 15028 + 13880
      = X * 44937.5 + X * 22419.32 + X * 11185 + 28908
(46171.74-28908)
17263.74 = x * 44937.5 + x * 22419.32 + x * 11185
     = X * (44937.5 + 22419.32 + 11185)
       = x * 78541.82
(17263.74/78541.82)
```

0.2198032 = X

ALGEBRA

total active = new active total active = req total active = reg survival rate) + reacti = 210835) + 13880(43481.75 - 13880)29601.75 = 210835) + 13880 0.4989 (29601.75 / 0.4989) 59334.03 = 210835 *) + 13880 0.4989 = 22418.92 0.4989 + 13880 (22418 = 36298.920.4989 (59334 - 36298.92)23035.08 = X * 22419(23035.08/0.4989)46171.74 = X * 2241= X * 44931= X * 44931(46171.74 - 28908)17263.74 = X * 44937= X * (449)= x * 78541

(17263.74/78541.82)

0.2198032

```
+ surviving new active
```

```
+ recurring old active
```

+ reactivated

+ reactivated) *

880)

880)

880)

Goal: Total active editors + 2500

Means:

- registrations: +32,361
- activation rate: +0.81%
- survival rate: +10.2%