

How To Compute Failure Rates with the Backblaze Hard Drive Stats

less than a year on average.

Computing failure rates from the data that Backblaze has released is a matter of counting drive days and counting failures. Each row in each daily drive stats file is one drive day. Each failure is marked with a "1" in the failure column. Once a drive has failed, it is removed from subsequent daily drive stats files.

To get the daily failure rate of drives in the Backblaze data center, you can take the number of failures counted in a given group of daily stats files, and divide by the number of rows in the same group of daily stats files.