

General Storage Device Information

Does temperature affect the health of my Hard Drive?

In general, drive manufacturers suggest keeping the drives in a cooler environment to prolong their lifespan.

Despite the above suggestion, there's no clear evidence that temperature affects in any way the health of the drive. Google and BackBlaze didn't find any correlation with temperature and drive failures in their study. Microsoft and the University of Virginia on the other hand, found that there was a significant correlation.

Sources:

- https://static.googleusercontent.com/media/research.google.com/en/us/archive/disk_failures.pdf
- <https://www.cs.virginia.edu/~gurumurthi/papers/acmtos13.pdf>
- <https://www.backblaze.com/blog/hard-drive-temperature-does-it-matter/>

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