Cosine Similarity and Its Applications in AI (Proposal)

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Choosing the right metric [1] can be crucial to designing performant artificial intelligence models. Thousands of packages and libraries have been built and written just for providing these metrics. Cosine similarity is one of many metrics used extensively in natural language processing and artificial intelligence tasks. The paper will introduce the technique and discuss its advantages and disadvantages as well as compare it to other approaches. Additionally, sample implementations of the above-mentioned approaches might also be provided.

References

[1] Rachel Thomas and David Uminsky. "The Problem with Metrics is a Fundamental Problem for AI". In: (Feb. 2020). URL: https://arxiv.org/abs/2002.08512.