Contribution ID: **38**   Type: **Talk**

Topological analysis of literature

Sunday 21 April 2024 12:20 (20 minutes)

This talk introduces the fascinating intersection of topological data analysis (TDA) and literary studies, offering a novel perspective on understanding complex textual structures. I begin by unraveling the intuitive principles behind TDA, emphasizing its ability to capture essential features and relationships within intricate datasets.

Then, I showcase how TDA techniques can be effectively applied to analyze and interpret literary texts. By constructing topological representations based on textual elements, I unveil hidden patterns that transcend traditional approaches.

This interdisciplinary exploration highlights the collaborative potential between mathematics, computer science, and humanities fields.

Field

Mathematics

Length

Long 20 min

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