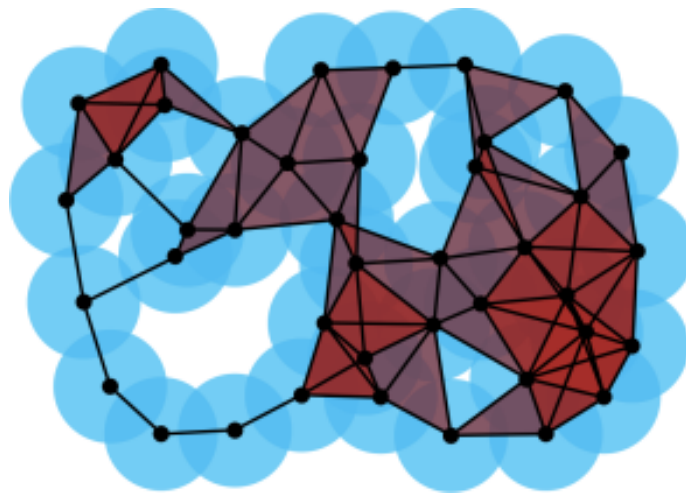


An Introduction to Topological Data Analysis

Undergraduate Math Club
CORNELL UNIVERSITY



SPEAKER

Zoe Wellner

ABSTRACT

"Shape has meaning"-Gunnar Carlsson

Topological data analysis is finding the shape of data. With the modern presence of huge amounts of data it is useful to be able to see the big trends within the data. Finding the shape of it does just that. The emergence of topological data analysis is also an interesting example of how some concepts from pure math have applications and uses in the real world. If either topology or data analysis appeals to you, the combination of the two will too! This talk will cover basic topology constructions as well as how they can be used in data analysis. Come and find out what data set looks like a klein bottle!

AUG 28 at 4:45pm

Malott 532 ★ Refreshments