



VIS: OPTICS_{vis}

Milestone 3

Group 11

13. Dezember 2017

Fakultät für Informatik

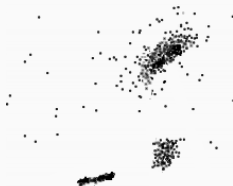
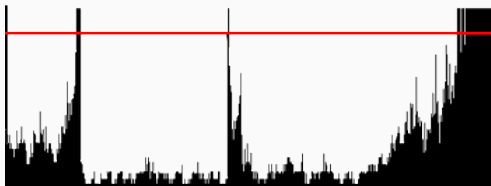
Agenda

1. Project
Definition
2. Users and Tasks
3. Demo
4. Challenges and Problems

Project

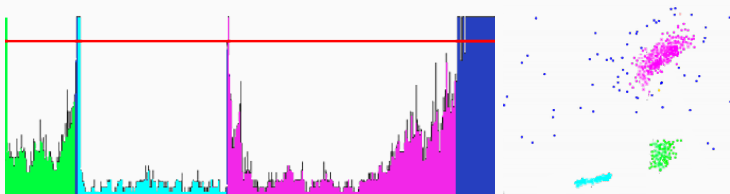
Project definition

- OPTICS: density based clustering
 - algorithm jumps between points in some order
 - records jump distances
- output somewhat hard to read
 - point order
 - a list of numbers
- staple visualization method: the bar chart



Project definition

- colorizing helps a lot
 - but how does it *work*?
 - how do these numbers relate to the data?
 - parameterization?
 - min pts
 - eps
- OPTICS_{vis}



Users and Tasks

- Teachers
 - for educational purposes
- Researchers
 - exploration
 - testing before practical usage
- Anyone
 - exploration

- Exploration
 - get a feeling for the algorithm, get to know it
- Education
 - learn about the algorithm and how to interpret the output
- Testing
 - give an idea if the algorithm fits the users problem
 - see if result/output is satisfactory and useful

Demo

Challenges and Problems

Challenges and Problems

- slow implementation
- some aspects of the visualization rely on running the algorithm repeatedly, locks up the interface
- would benefit from backend

Thank you for your attention!