PR1/2 Demo

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Milestones

- ▶ Basic tool with visualization of existing data. (PR1) (done)
- Enable running (ELKI) algorithms from the custom tool. (done)
- Properly save and display clustered data. (done, missing saving of results)
- Enable defining presets and running multiple clusterings. (done)
- Allow for parameter space exploration within results. (OPTICS)

The Tool

Demo

More Interfaces

```
public interface IClusterer {
    JPanel getOptionsPanel();
    String getName();
    String getSettingsString();
    List<ClusteringResult> cluster(Database db);
    IClusterer duplicate();
}

Figure 1: The interface for clustering algorithms

public interface IDistanceMeasure {
    public String getName();
    public double distanceBetween(ClusteringResult clustering, ClusteringResult clustering2);
}
```

Figure 2: The interface for meta distance-measures

What we have

The good:

- ▶ OPTICS seems to work well, clusters represented in MDS plot.
- The chosen distance measures give quite similar looking results → validate each other.

The bad:

Nothing can be saved yet. ELKI classes not serializeable object references when rebuilding from custom format?

The ugly:

- ► The colors are the same between selected clustering and meta-clustering.
- ▶ The colors are sometimes ugly when there are lots of clusters.