Introduction to the exploratory data analysis
Orange data mining

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Outline

- Correlations
- Distributions
- Hierarchical clustering
- Principal Component Analysis (PCA)

Introduction

Figure 1: Orange Data Mining IDE vs Library

References

- M. Subhashree, Comparative Study of Different Orange Data Mining Tool-Based AI Techniques in Image Classification, May 2021.
- https://docs.biolab.si/orange/2/widgets/rst/index.html

Backup Slides
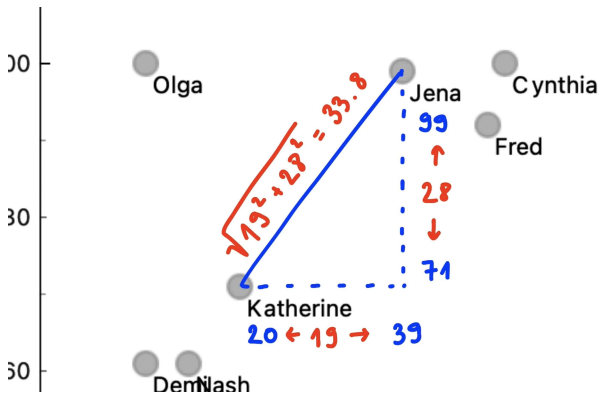
Hierarchical clustering

Figure 2: Euclidean distance

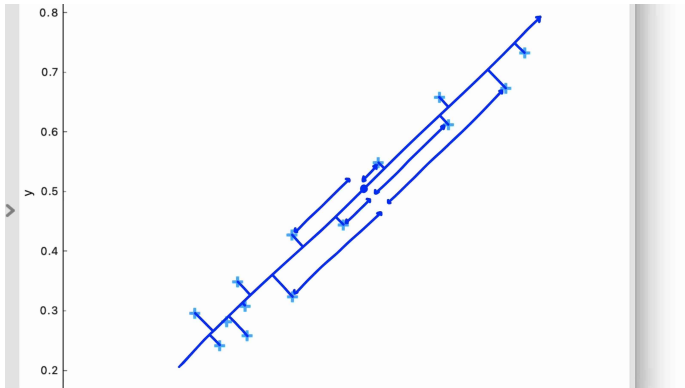# Principal component analysis PCA
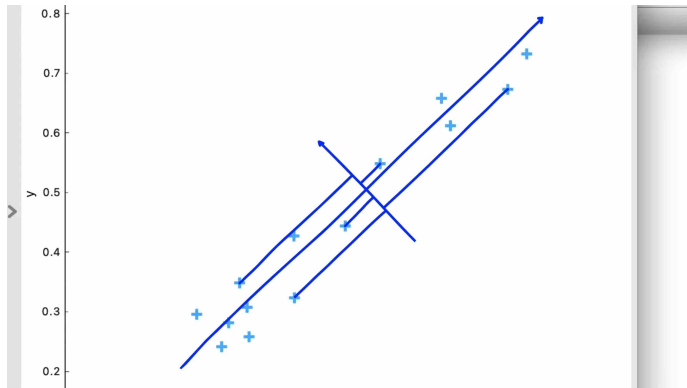

Figure 3: PC1 - transformation

Principal component analysis PCA

Figure 4: PC2 - transformation