

# Die Topologie der Politik

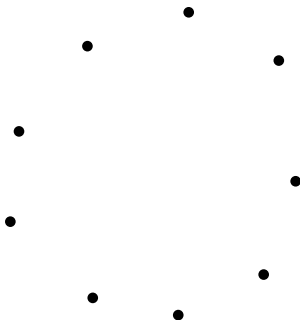
Mikael Vejdemo-Johansson

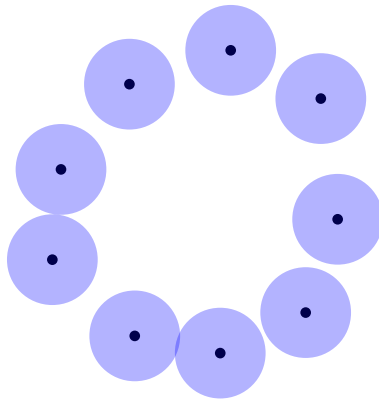
18 August 2010

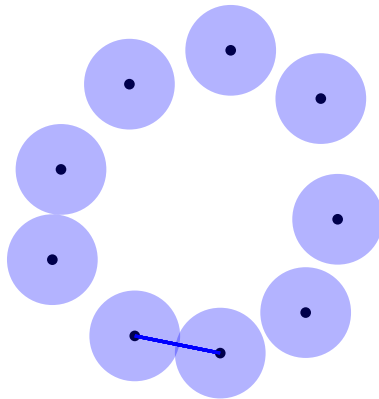
# Outline

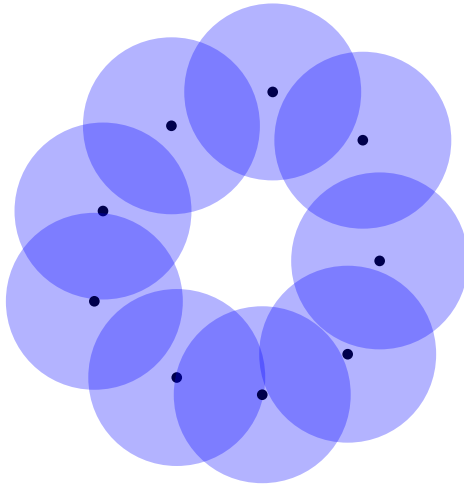
Topologische Daten-analyse

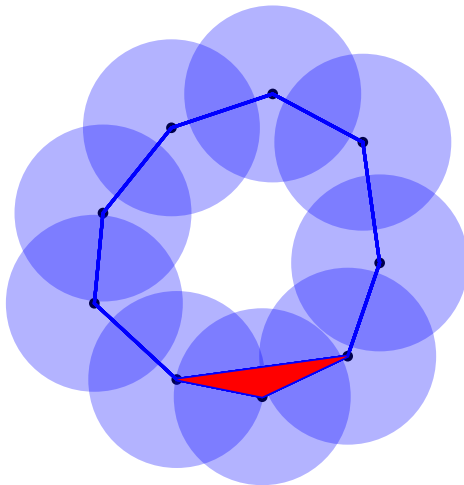
Die Topologie der Politik







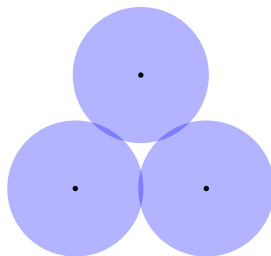
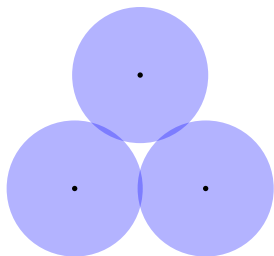




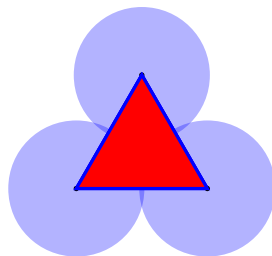
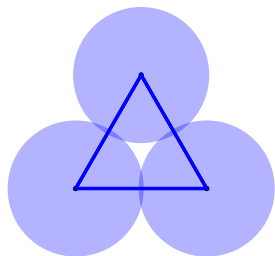
# Čech complex vs. Vietoris-Rips complex

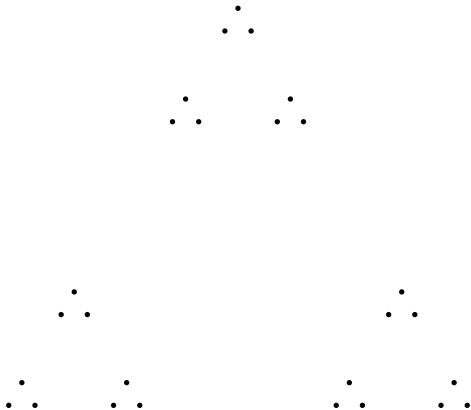


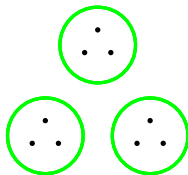
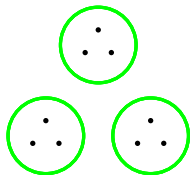
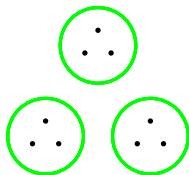
# Čech complex vs. Vietoris-Rips complex

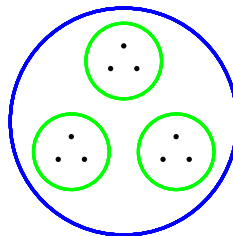
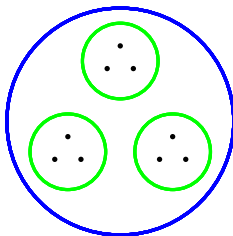
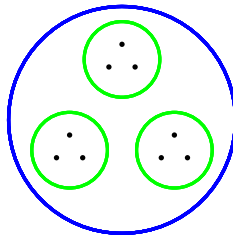


# Čech complex vs. Vietoris-Rips complex





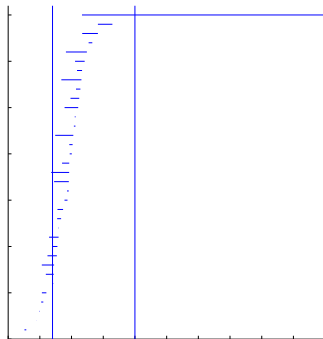
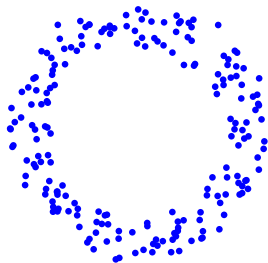




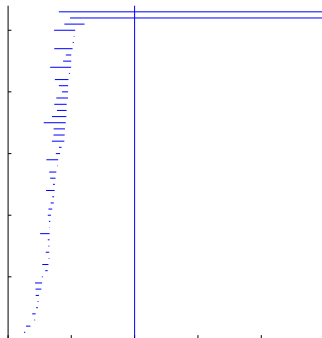
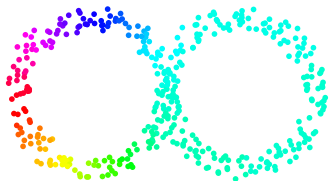
# $\beta_0$ barcode for the 27 points

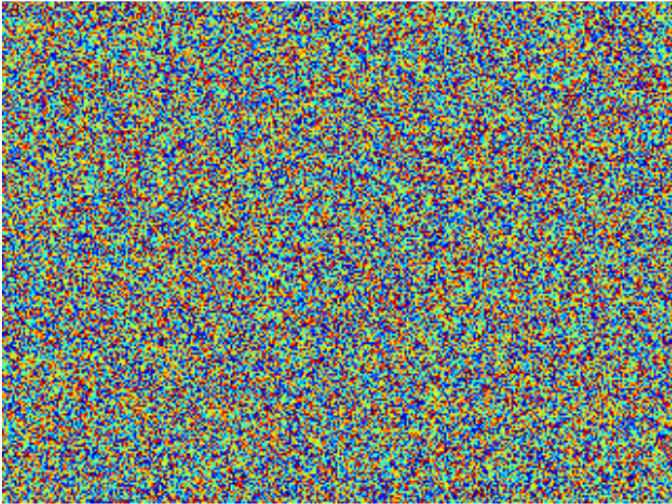


# $\beta_1$ barcode for a noisy circle

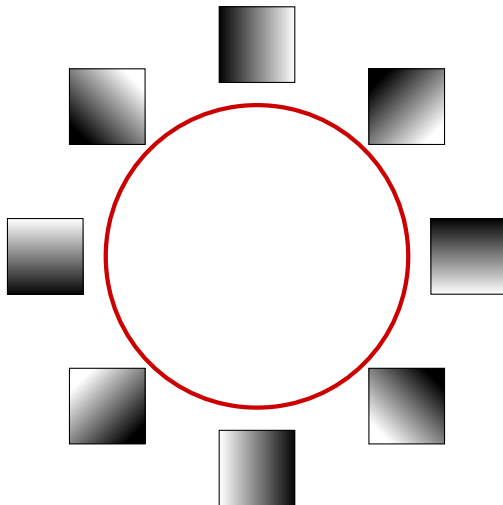


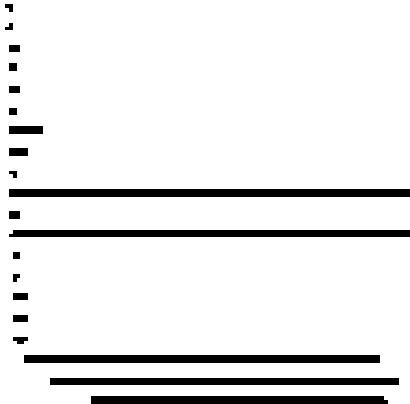
# $\beta_1$ barcode for a figure 8

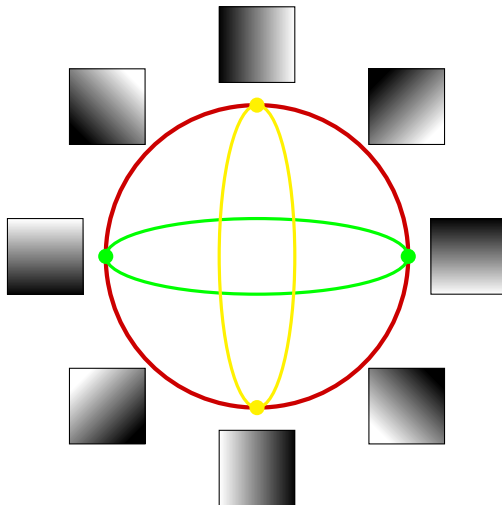


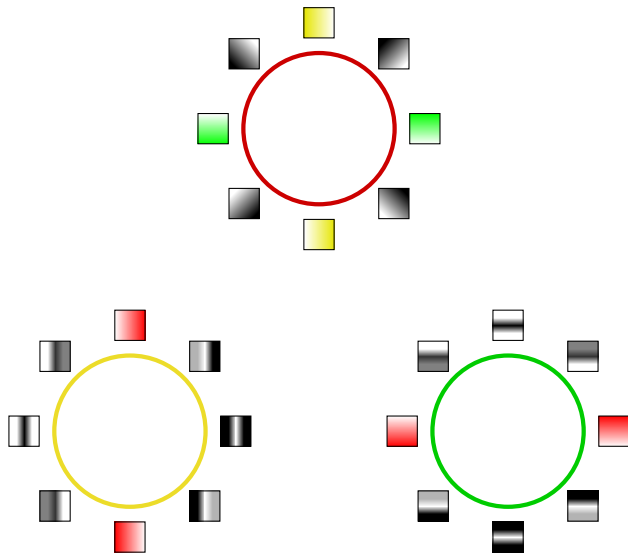


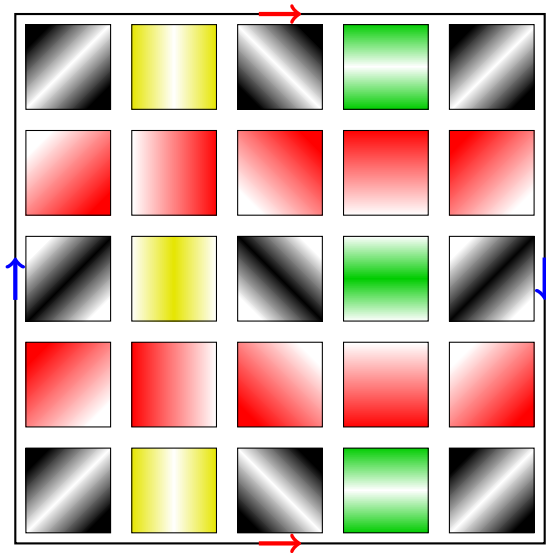












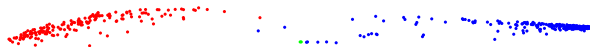
# Outline

Topologische Daten-analyse

Die Topologie der Politik

# US House of Representatives & Senate

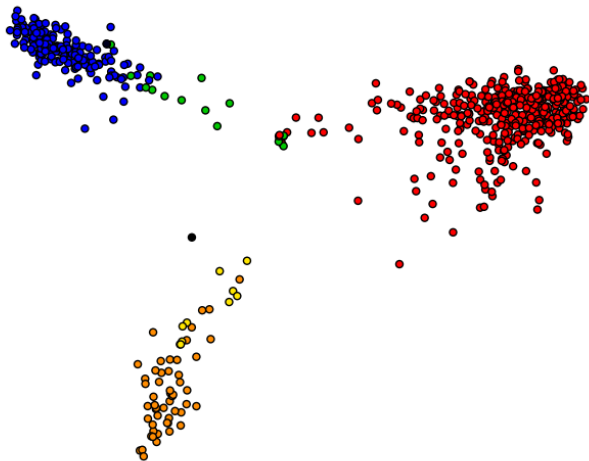
House of Representative 2009



Senate 2009



# UK Parliament



# Schwedische Riksdag

