



however, increasing the k-value showed the potential presence of up to 20 political cultures, indicating there may be multiple levels of substructure within the data. When we clustered questions individually and ordered the plots by the overall structure of their year, results indicated a hierarchy of questions that reflected culture groups. Furthermore, when plotted geographically, yearly global clusters show significant overlap in voting culture distribution year-to-year (Fig.1). These early cluster structures and maps confirm that the Swiss data is well-suited for the more complex Beta-Binomial mixture model.

Fig. 1: These 20-cluster groupings show considerable $re^{heenned}$