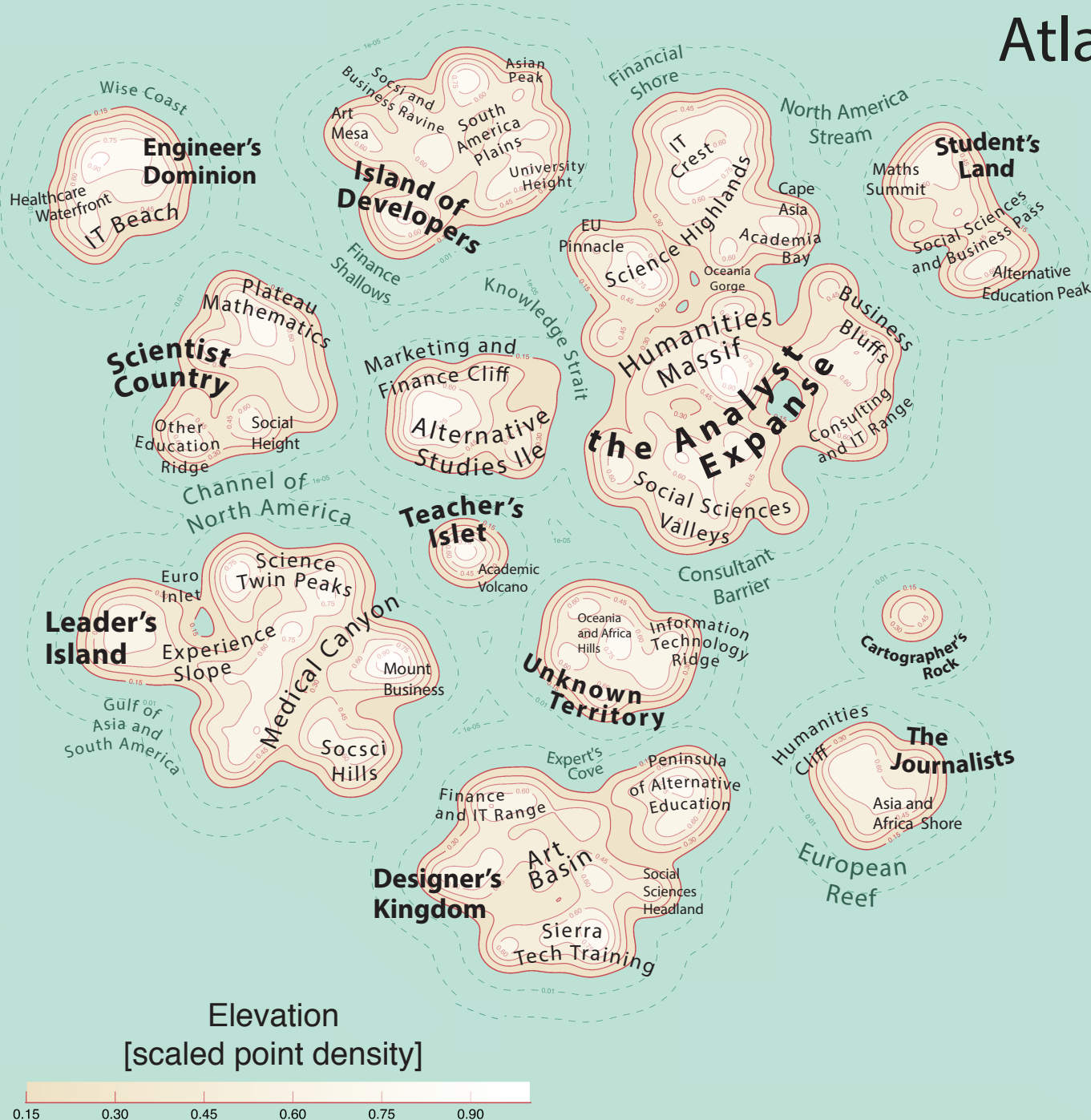
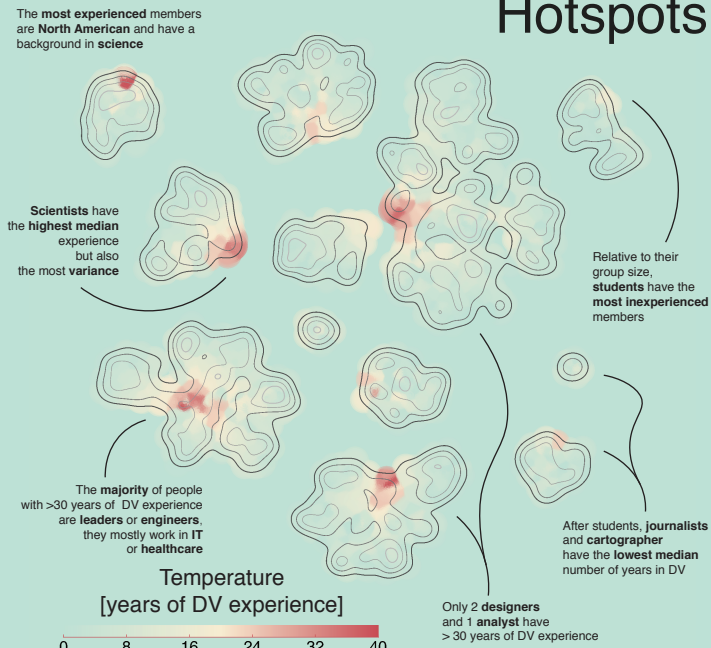


The Data Visualization Society Atlas



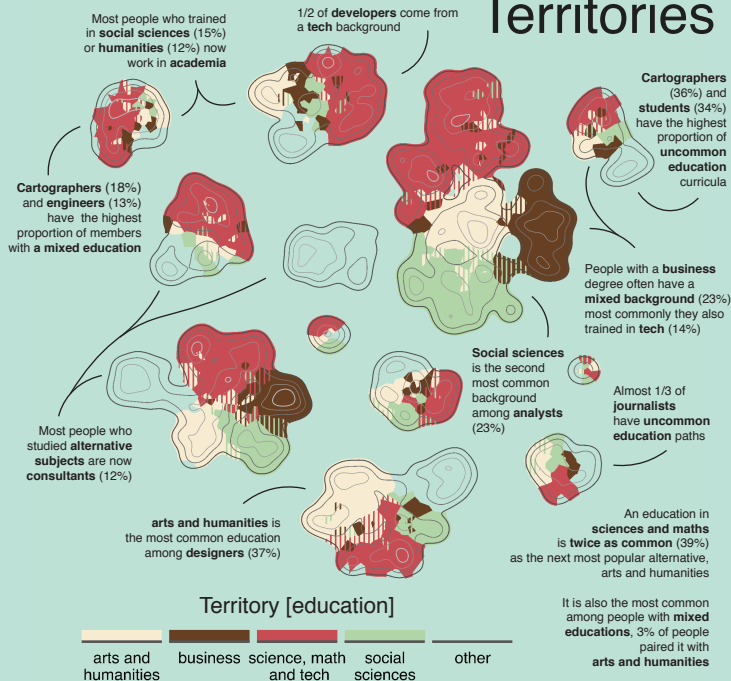
This visualization was made for the State of the Data Visualization Industry 2021 challenge. Data from the 2021 DVS Survey was projected onto a 2d plane with UMAP, a non-linear dimensionality reduction algorithm. Job role, job sector, education, location, and years of experience in data visualization were included as input features. The map was produced by measuring the point density (translated into altitude) rescaled between 0 and 1. Landmasses represent areas with more than 0.15 of rescaled density and are proportional to the number of members in each job role. Toponyms are based on the most relevant local features but are not exhaustive.

Hotspots



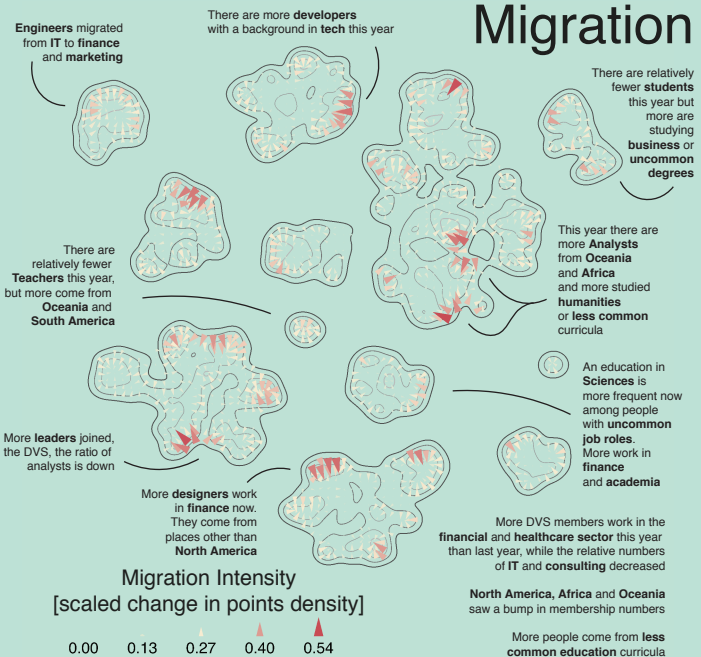
Gaussians are superimposed for each data point, one for each member, and coloured according to their number of years experience in data visualization.

Territories



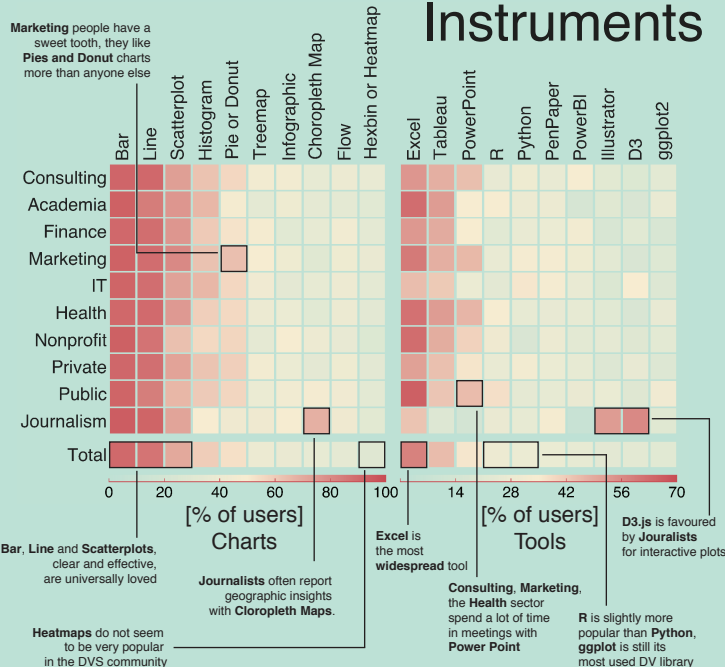
Partitions are colored by education of their data points. In regions where members answered with multiple choices, vertical hatching is used.

Migration



Vector field representing the change in membership between the 2020 and 2021 surveys. The difference has been calculated in terms of ratios, that is the number of members with certain properties with respect to the total number of members for that year. Finance was not an explicit option in the 2020 survey, the comparison was made with those members who declared finance or banking as their organization sector in the "other" field.

Instruments



Heatmap of the top 10 most popular charts and tools reported by DVS members. These are shown in percentages of users and split by job sector. The total across all industries is shown at the bottom.