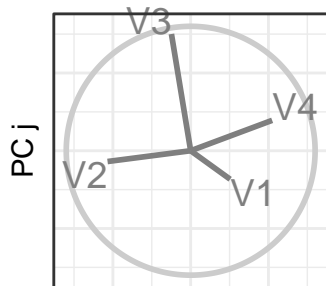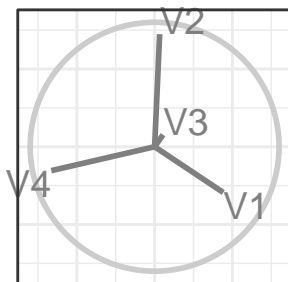# Levels of the experimental factors

Factor

PCA
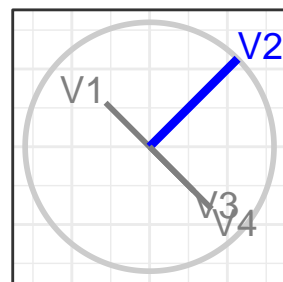Discrete jump to selected PC pair

Grand tour
Animation through random bases

Radial tour
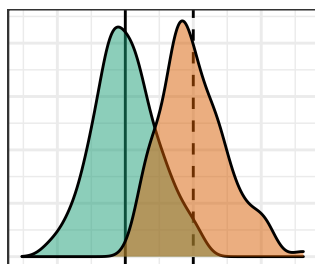Animation changing the selected variable

Location
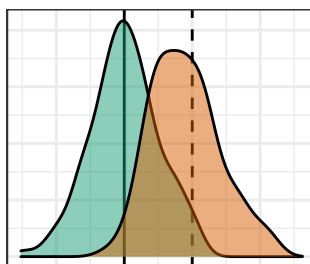
0/100%

33/66%

50/50%

1*V1 + 0*V2

.866*V1 + .5*V2
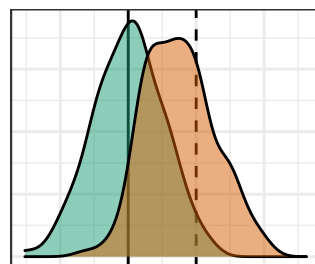
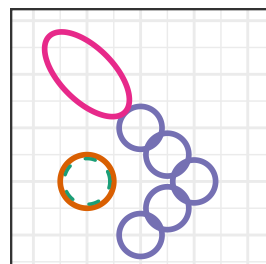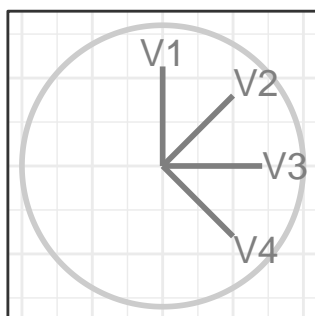.7071*V1 + .7071*V2

Shape

EEE
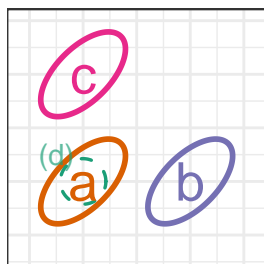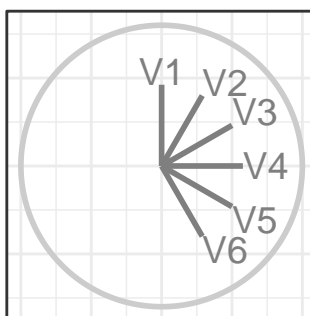
EEV
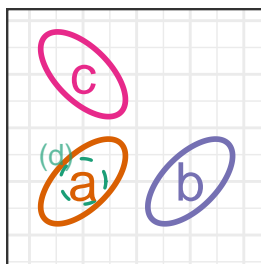
EVV, banana transformed

Dimension

3 clusters in 4 dimensions

4 clusters in 6 dimensions

Cluster 'd', above, only exists when there are six dimensions, is spherical, and a has cluster separation orthogonal to the plane of the other three isodensities.