Levels of the experimental factors

	PCA	Grand tour	Radial tour

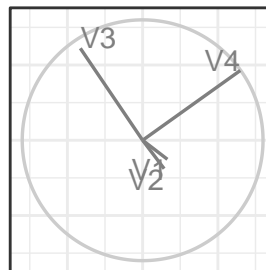**Visual**

PCA — Discrete jump to selected PC pair
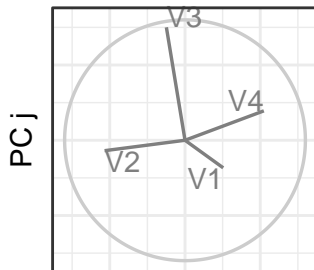
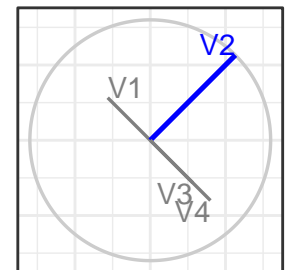Grand tour — Animation through random bases

Radial tour — Animation changing the selected variable

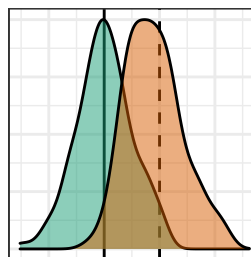**Location**

0/100%
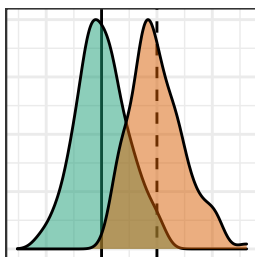
1*V1 + 0*V2

33/66%

.866*V1 + .5*V2

50/50%
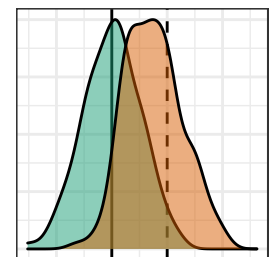
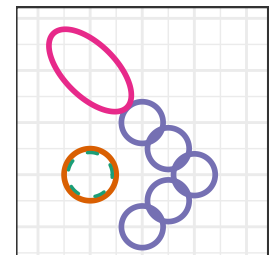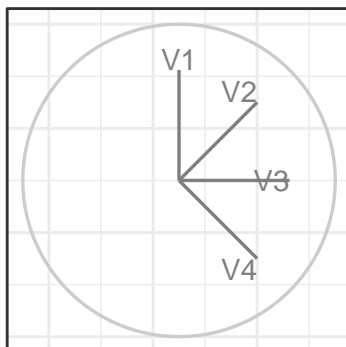.7071*V1 + .7071*V2

Shape

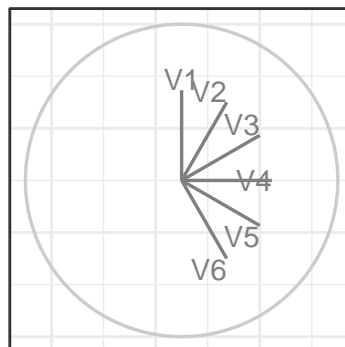EEE
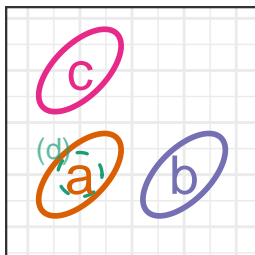
EEV
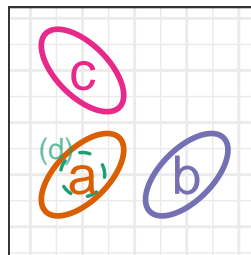
EVV, banana transformed

Dimension

4 dimensions, 3 clusters

6 dimensions, 4 clusters

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