Levels of the experimental factors

	PCA	Grand tour	Radial tour

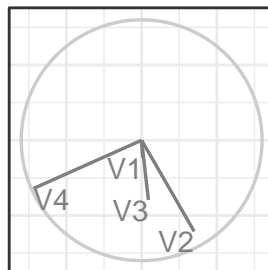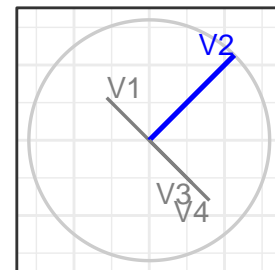**Visual**

PCA
Discrete jump to
selected PC pair
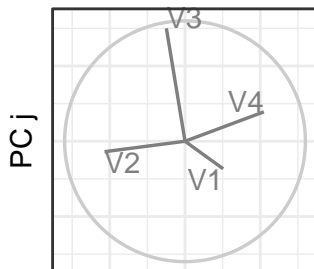
Grand tour
Animation through
random bases
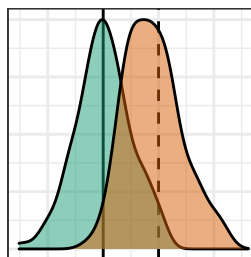
Radial tour
Animation changing
the selected variable

Location

0/100%
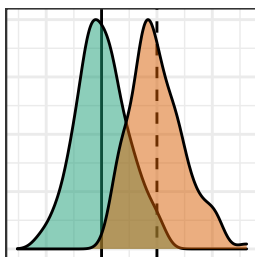
33/66%

50/50%

1*V1 + 0*V2

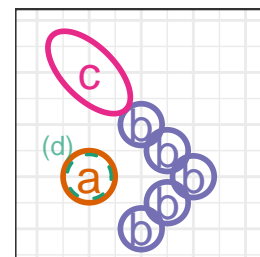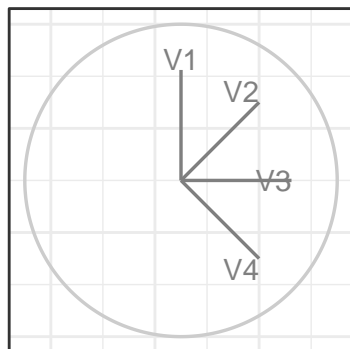.866*V1 + .5*V2
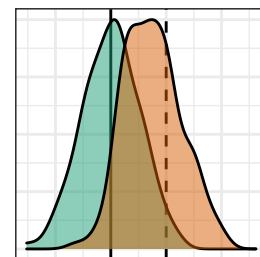
.7071*V1 + .7071*V2
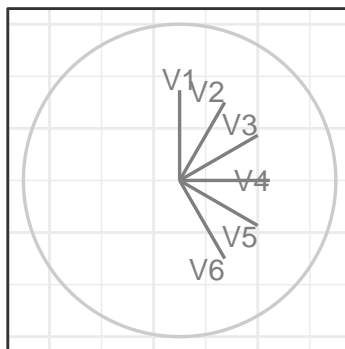
Shape

EEE
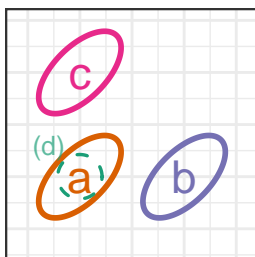
EEV
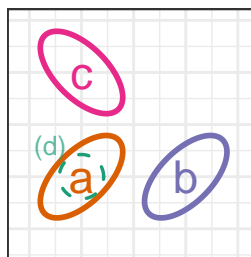
EVV, banana transformed

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.