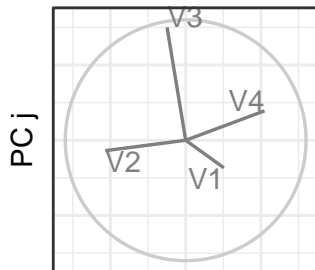


# Levels of the experimental factors

Visual

## PCA

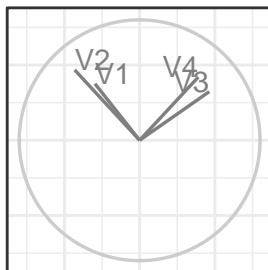
Discrete jump to selected PC pair



PC i

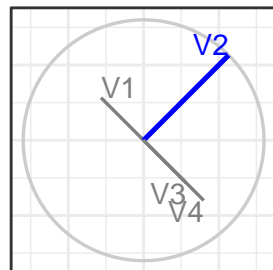
## Grand tour

Animation through random bases



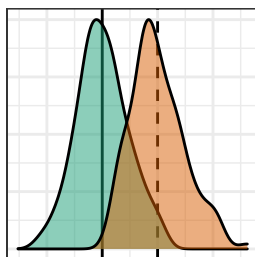
## Radial tour

Animation changing the selected variable



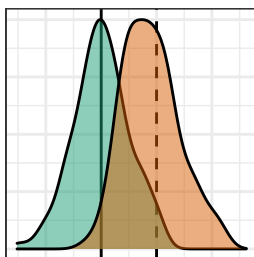
Location

0/100%



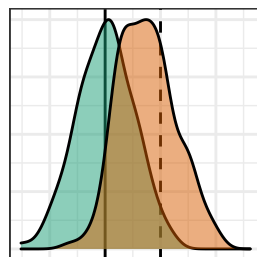
$1 \cdot V1 + 0 \cdot V2$

33/66%



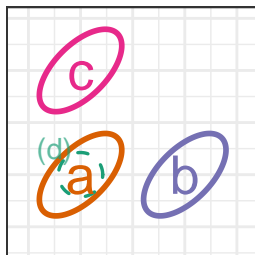
$.866 \cdot V1 + .5 \cdot V2$

50/50%

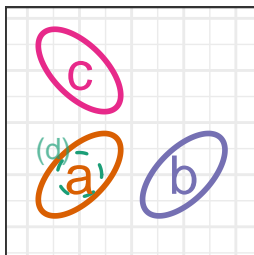


$.7071 \cdot V1 + .7071 \cdot V2$

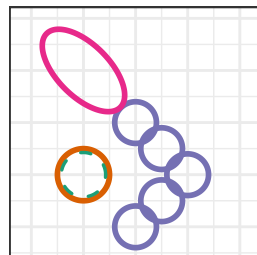
EEE



EEV

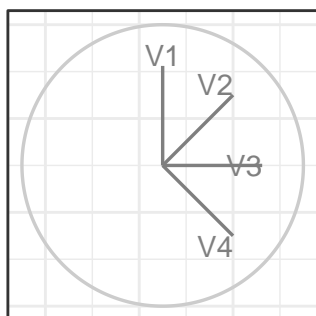


EVV, banana transformed

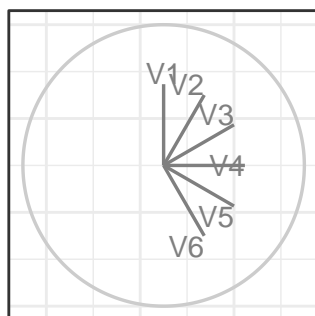


Shape

4 dimensions, 3 clusters



6 dimensions, 4 clusters



Dimension

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.