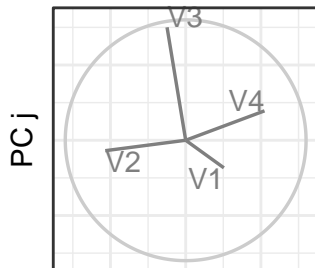


# Levels of the experimental factors

Visual

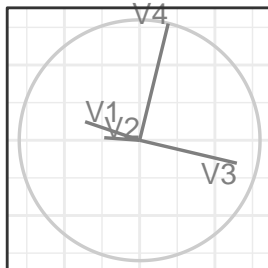
## PCA

Discrete jump to selected PC pair



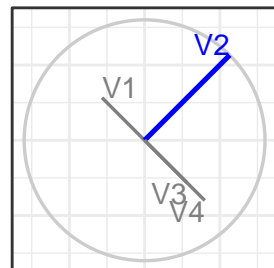
## Grand tour

Animation through random bases



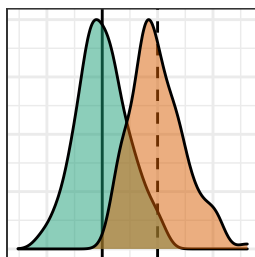
## Radial tour

Animation changing the selected variable



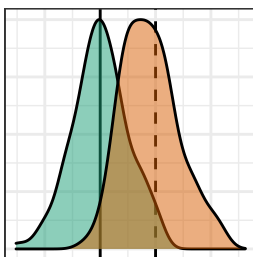
Location

0/100%



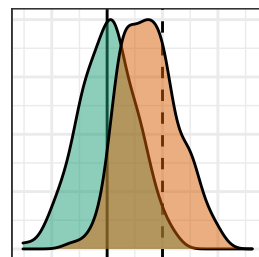
$$1 \cdot V1 + 0 \cdot V2$$

33/66%



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

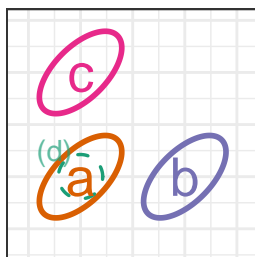
50/50%



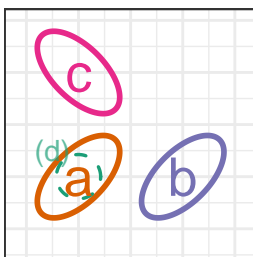
$$.7071 \cdot V1 + .7071 \cdot V2$$

Shape

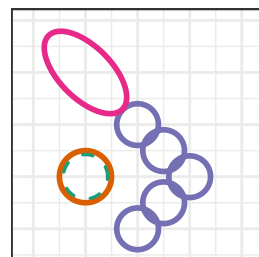
EEE



EEV

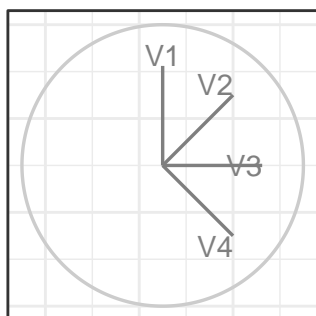


EVV, banana transformed

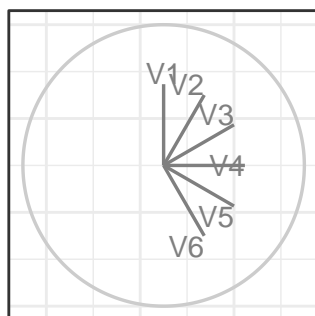


Dimension

4 dimensions, 3 clusters



6 dimensions, 4 clusters



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