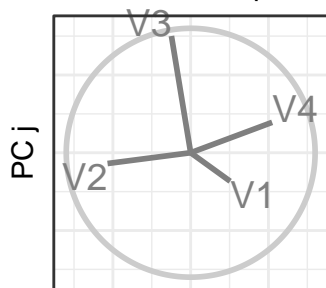


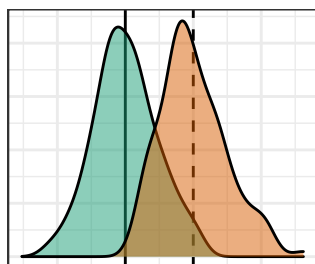
factor

## PCA

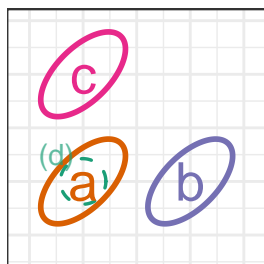
Discrete jump to  
selected PC pair

PC i

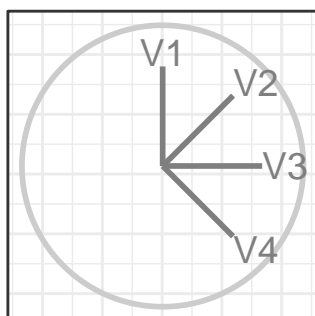
0/100%

 $1 \cdot V1 + 0 \cdot V2$ 

EEE

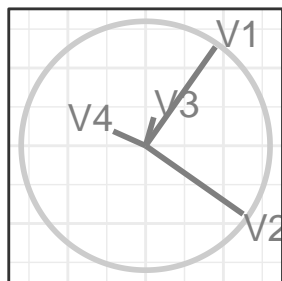


3 cluster in 4 dim

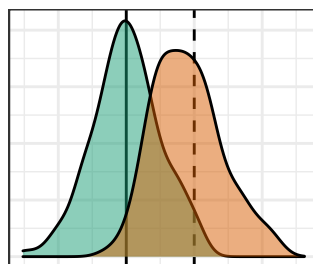


location

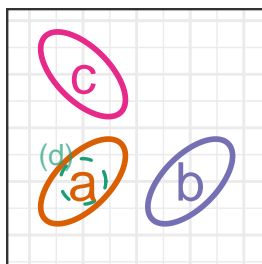
## Grand tour

Animation through  
random bases

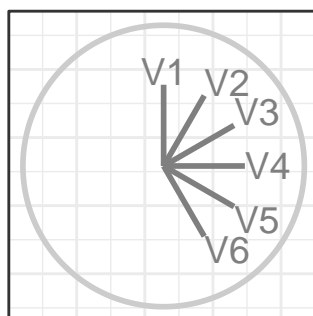
33/66%

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

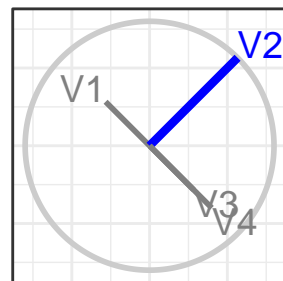
EEV



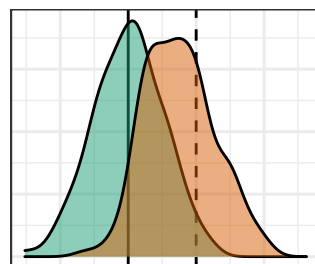
4 cluster in 6 dim



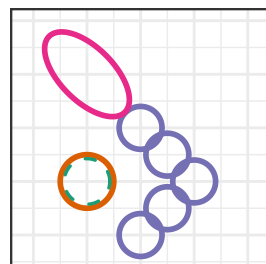
## Radial tour

Animation changing  
the selected variable

50/50%

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

EVV, banana transformed



shape

dimension

Cluster 'd', above, only exists  
when there are 6 dim, is  
spherical like the noise dim,  
but has cluster separation  
behind the plane of the  
other 3 isodensities.