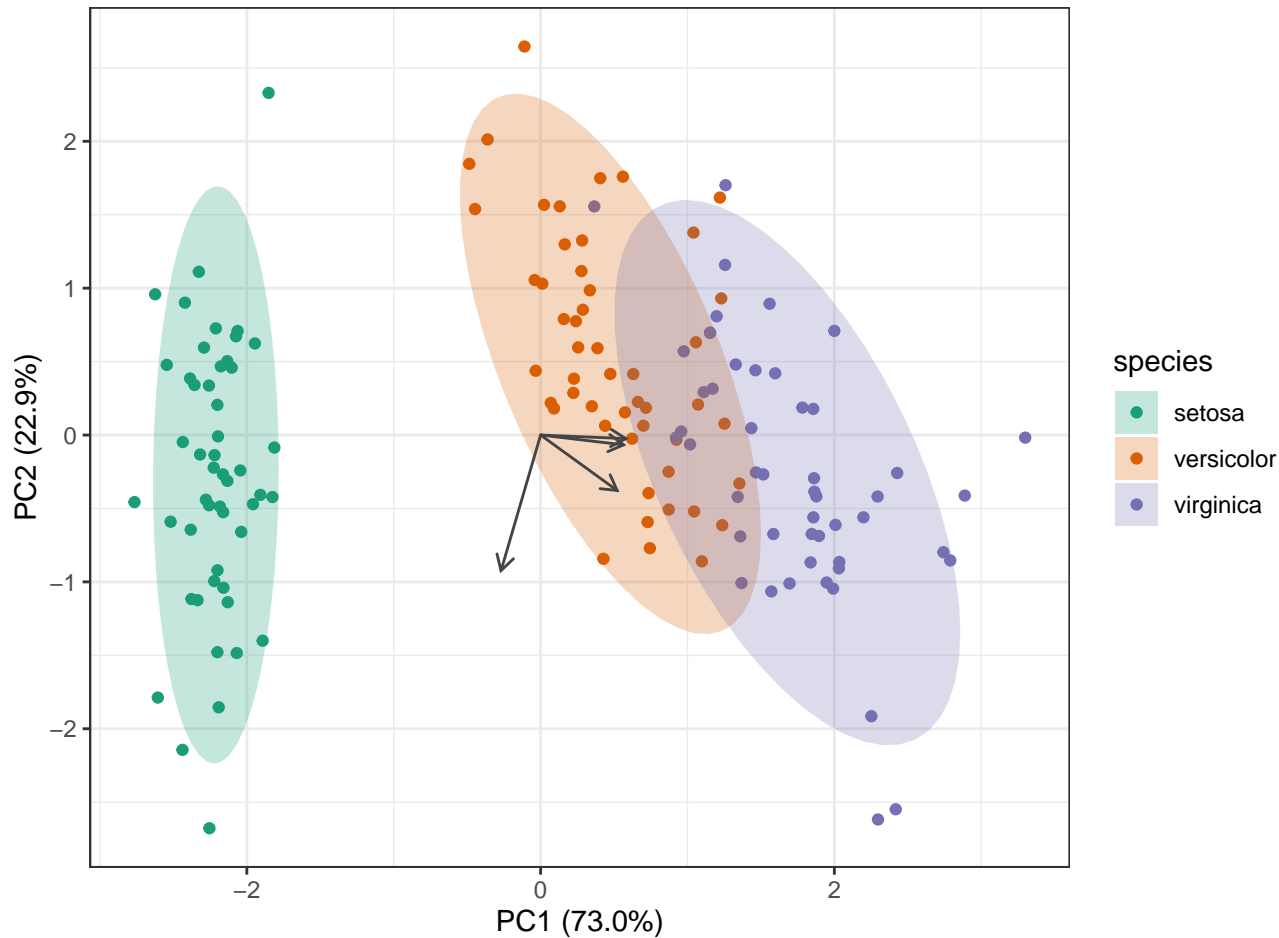
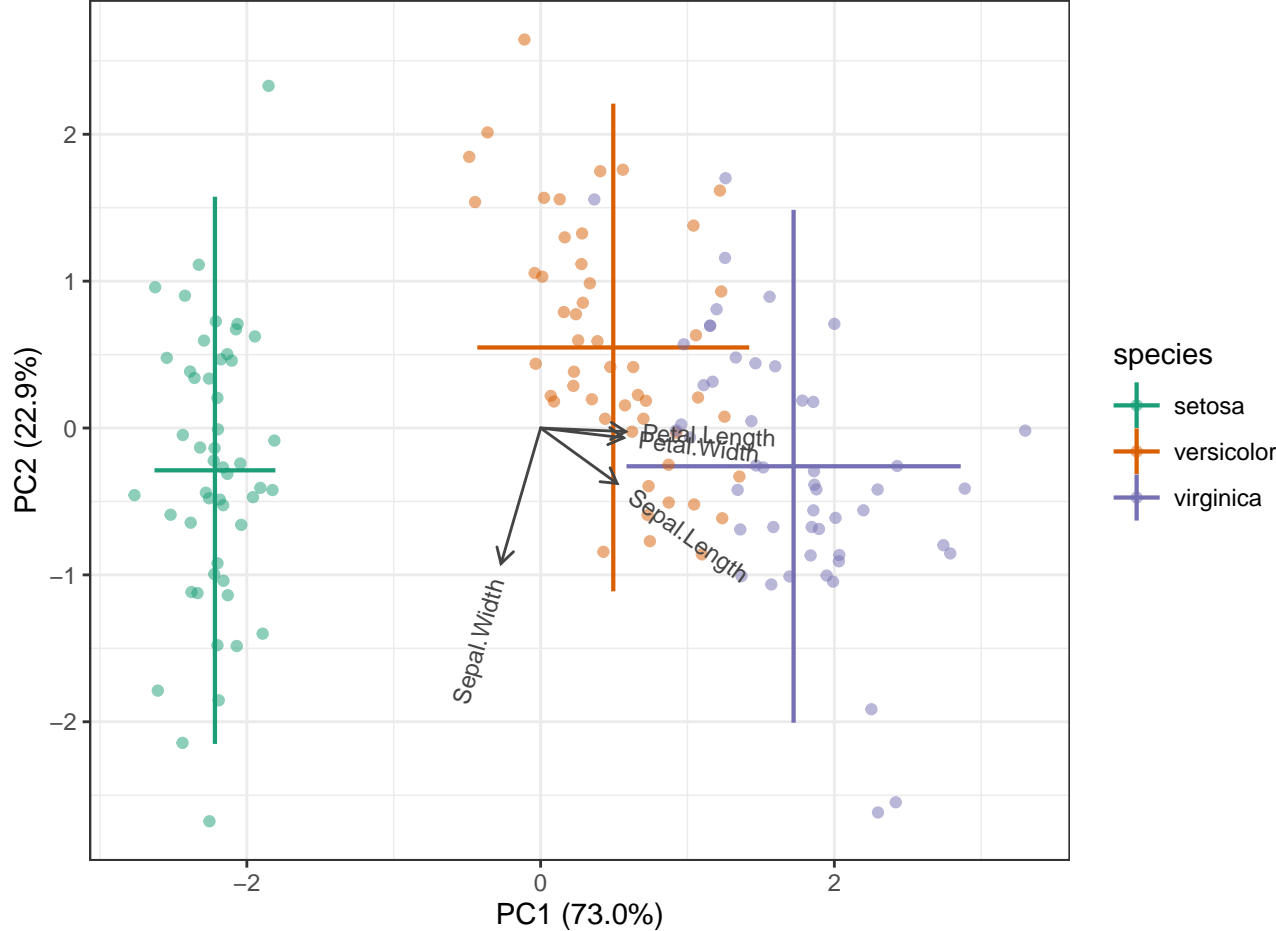


Row-principal PCA biplot of Anderson iris measurements  
Overlaid with 95% confidence disks



# Row-principal PCA biplot of Anderson iris data

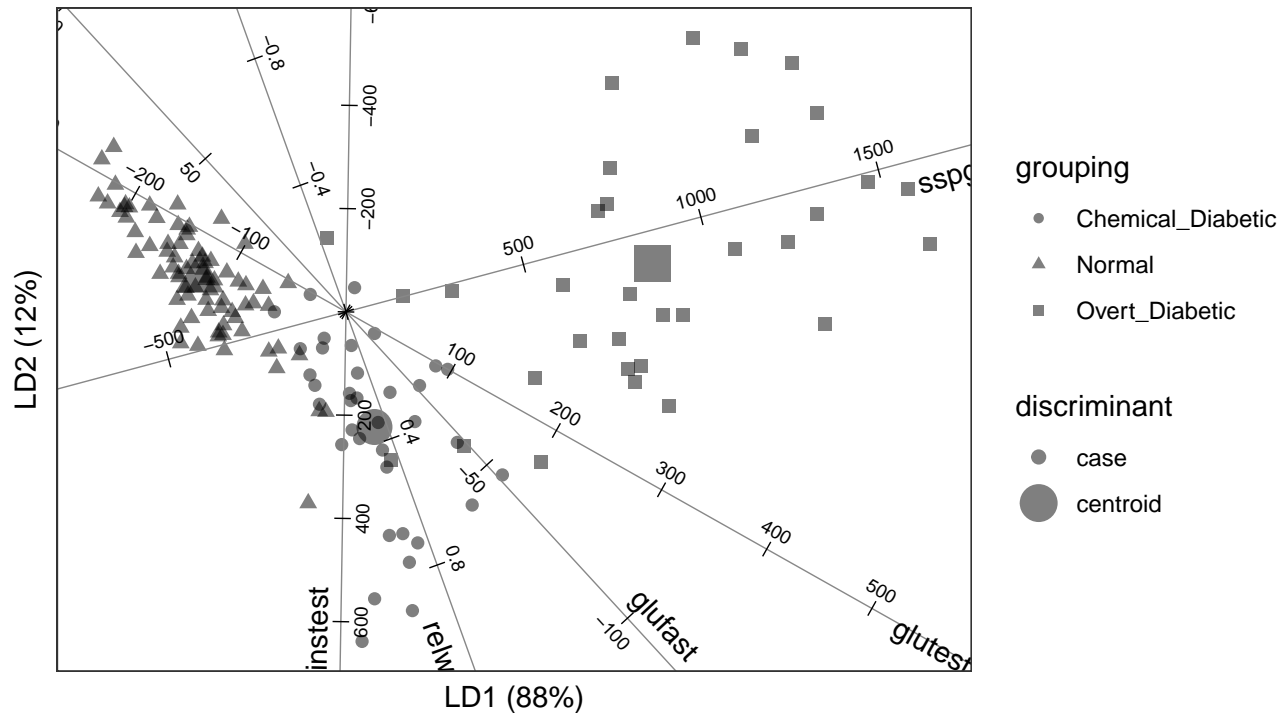
Ranges 2 sample standard deviations from centroids



help("draw-key")

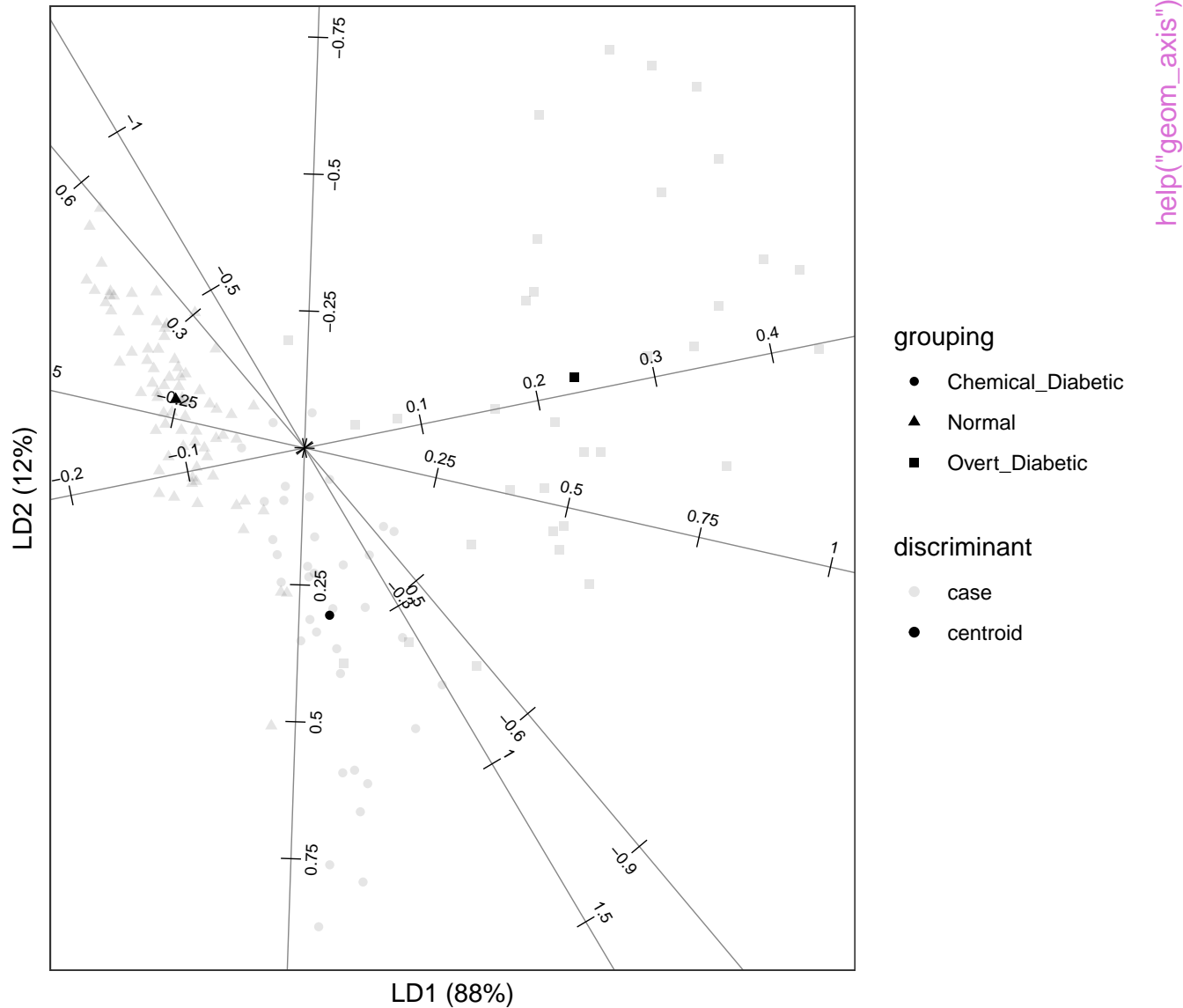
# LDA of Reaven & Miller diabetes groups

Row-standard biplot of standardized LDA



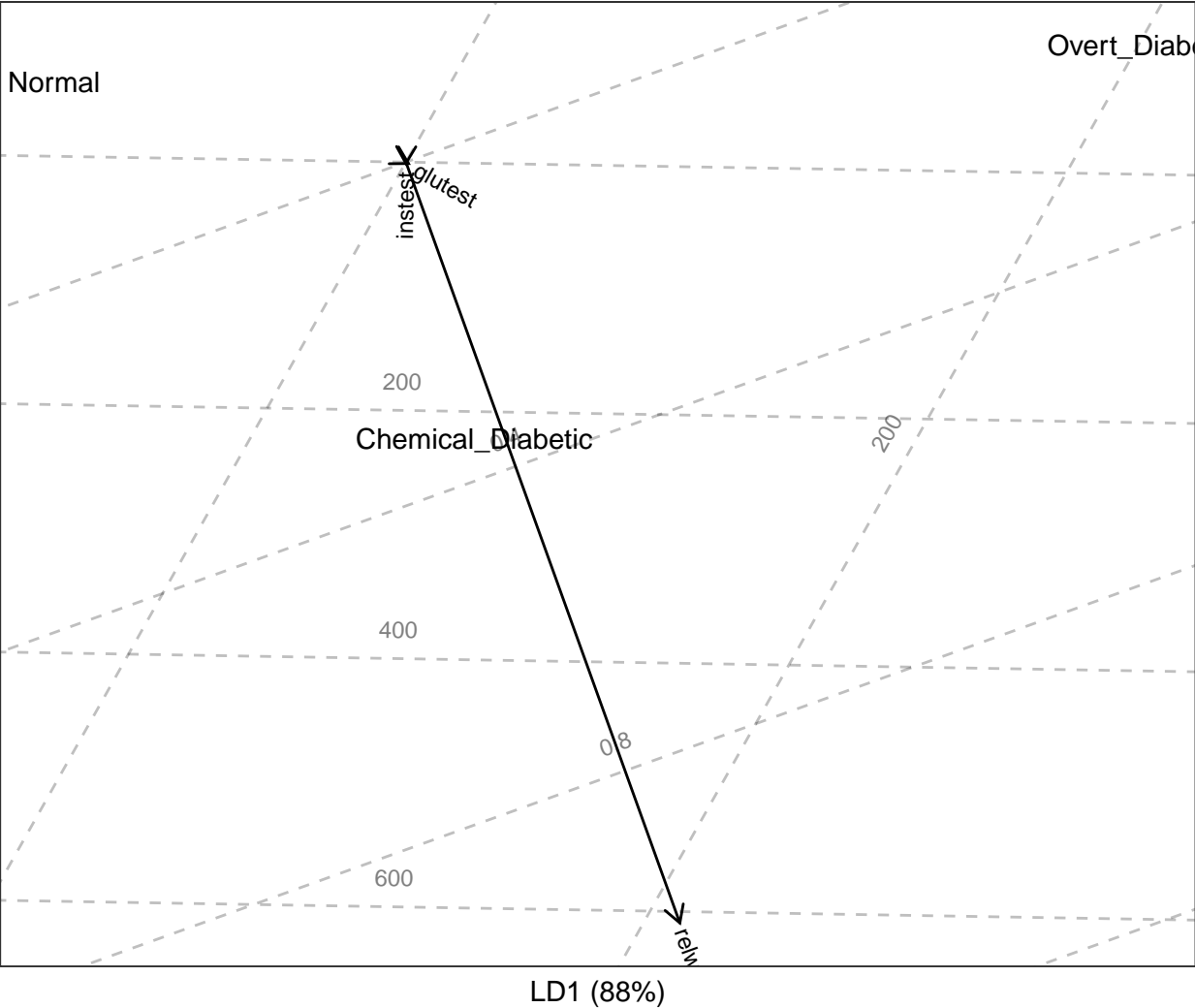
LDA of Reaven & Miller diabetes groups

Symmetric biplot of contribution LDA



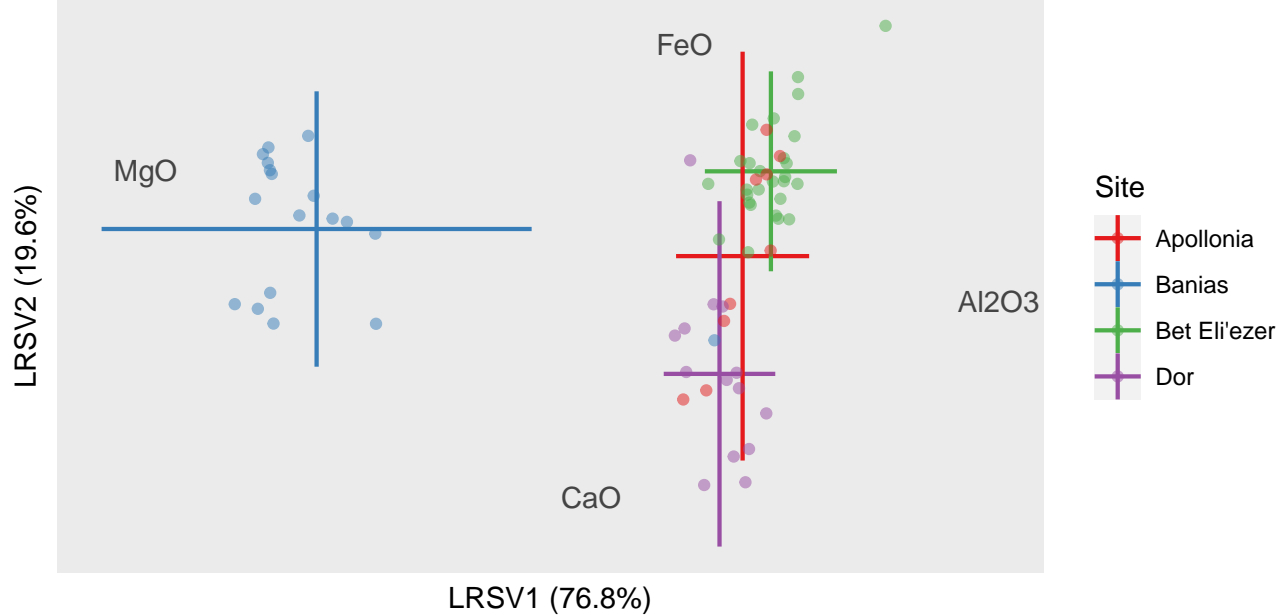
LDA of Reaven & Miller diabetes groups

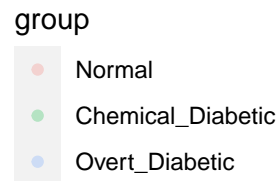
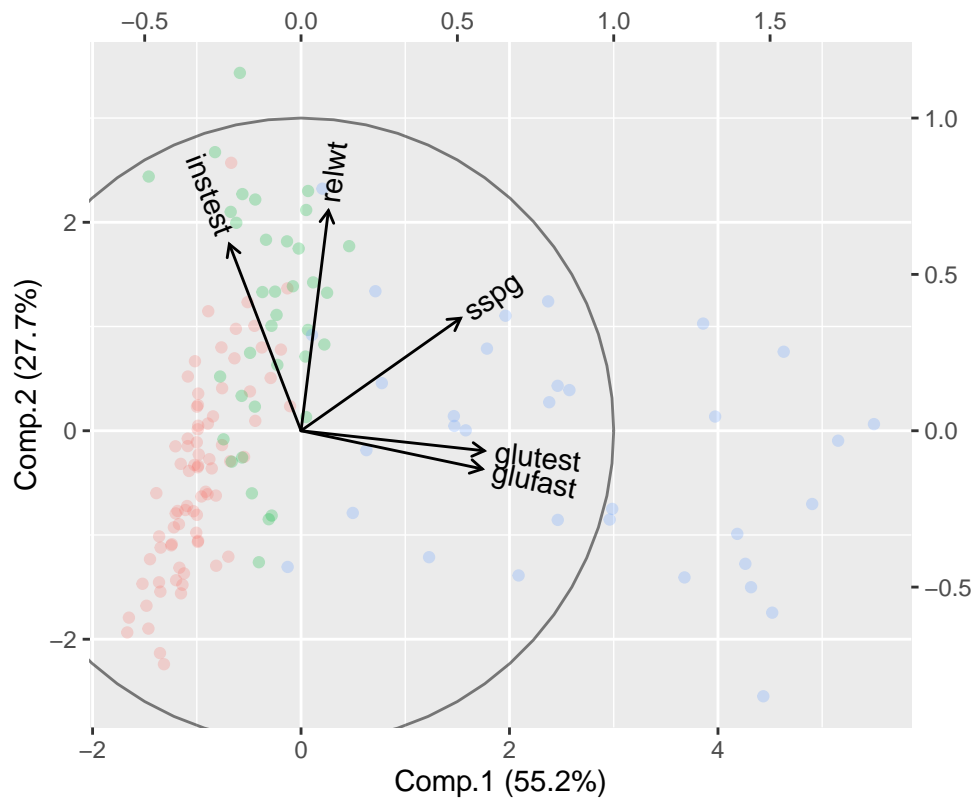
Row-standard biplot of standardized LDA



help("geom\_isoline")

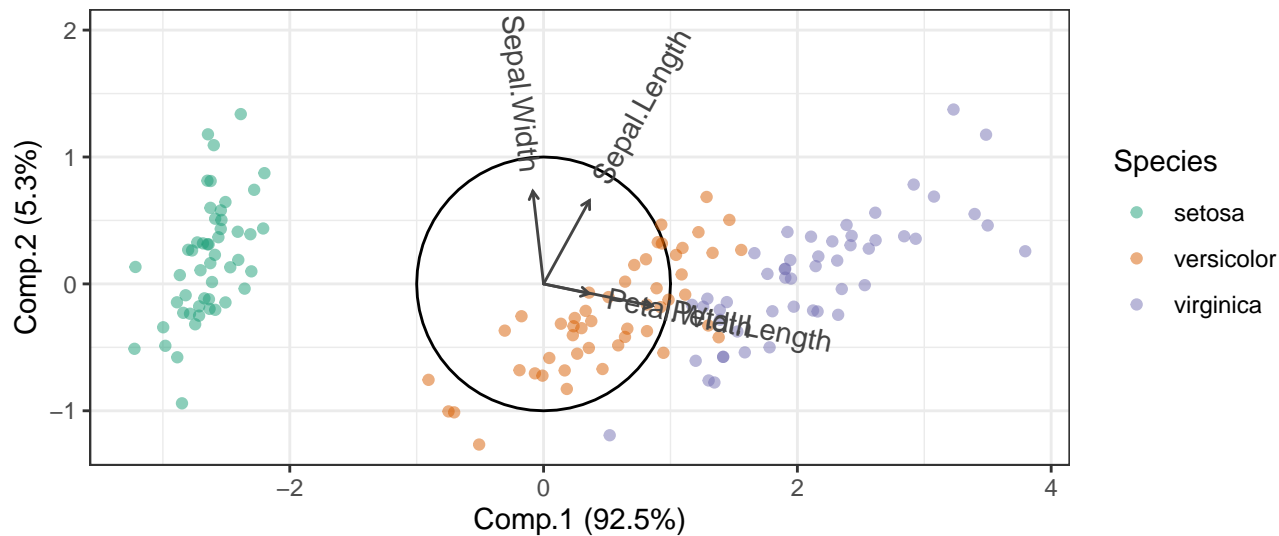
Row-principal LRA biplot of Freestone glass measurements  
Ranges 2 sample standard deviations from centroids





help("geom\_unit\_circle")

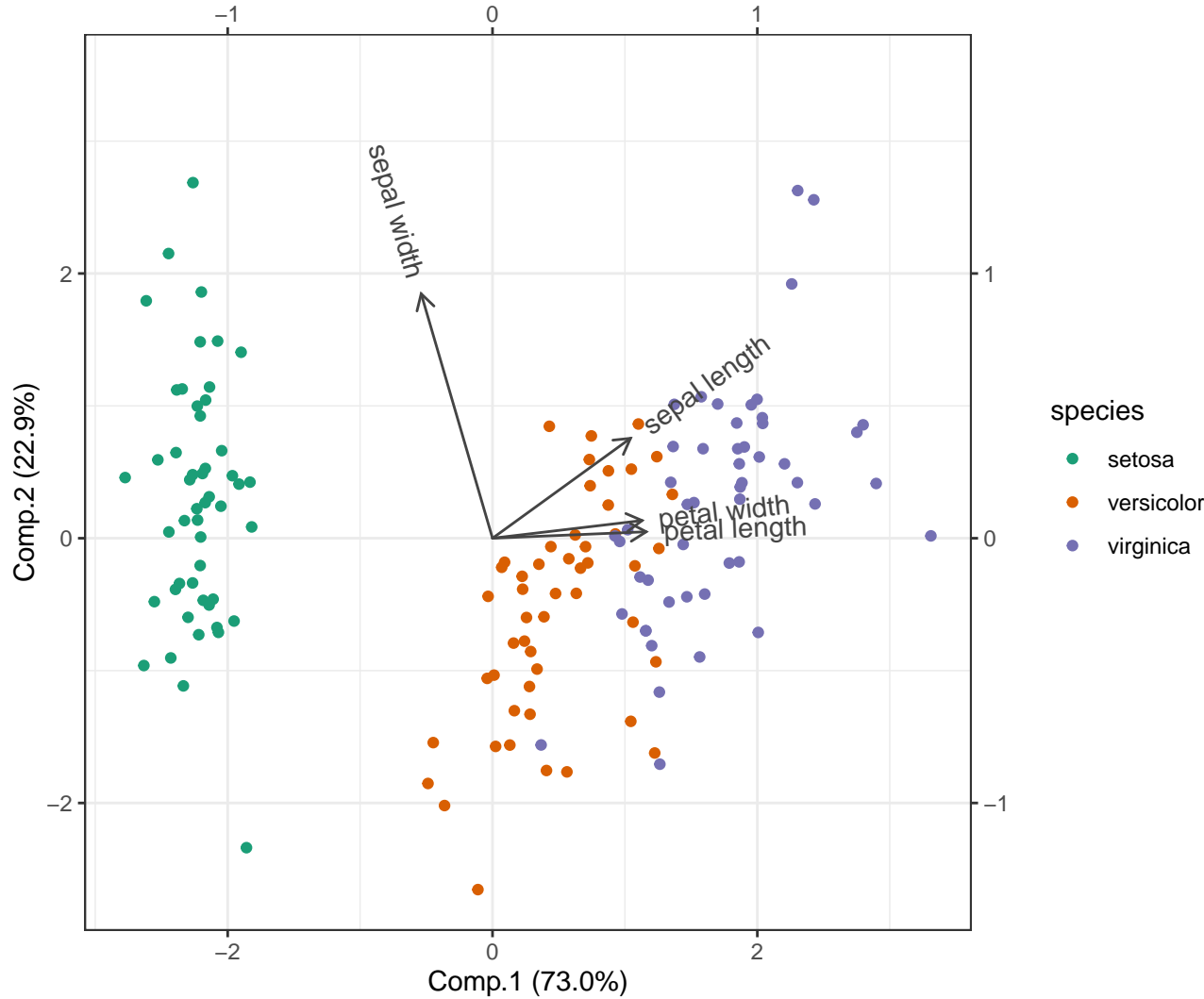
Row-principal unscaled PCA biplot of Anderson iris measurements

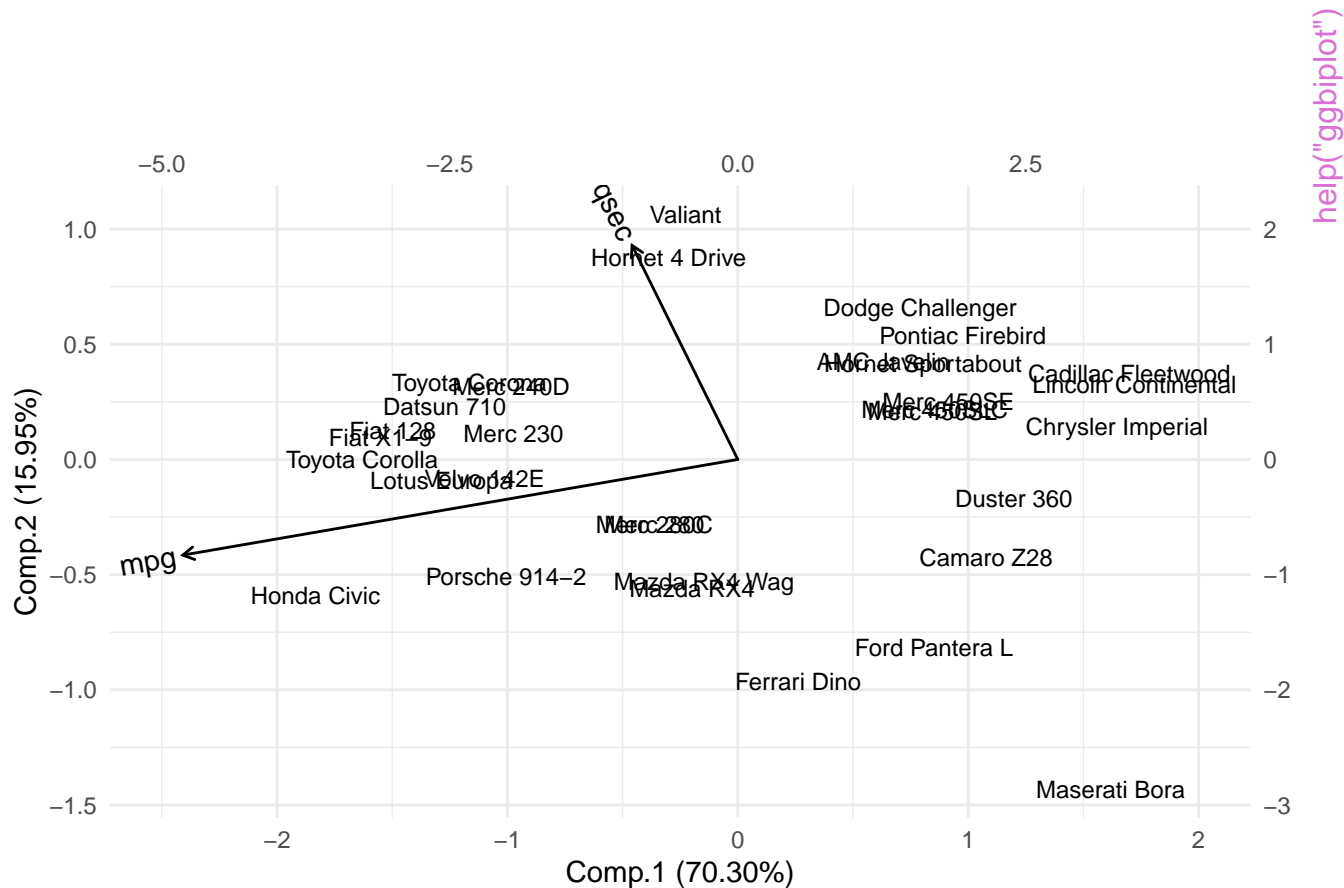


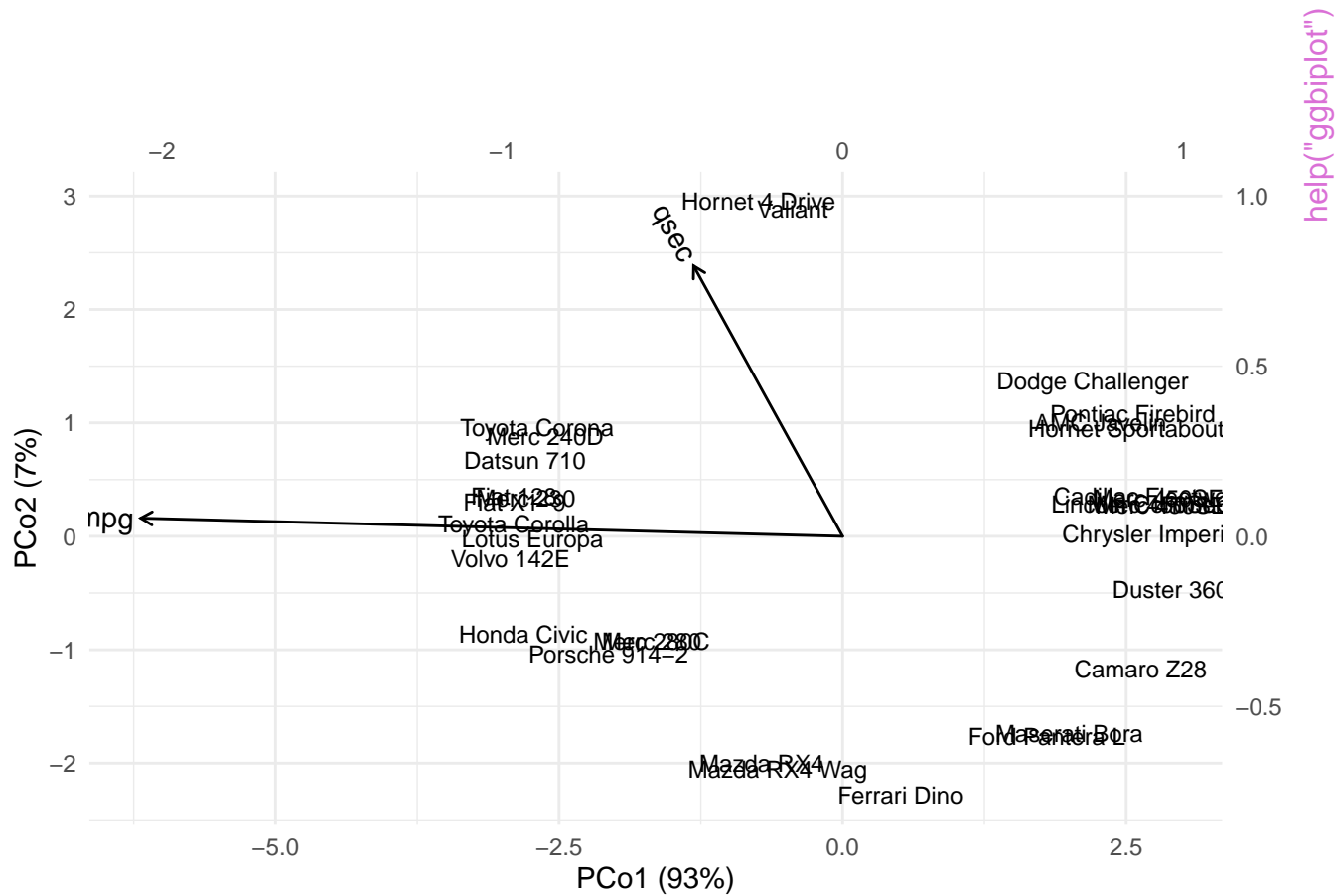


# Row-principal PCA biplot of Anderson iris measurements

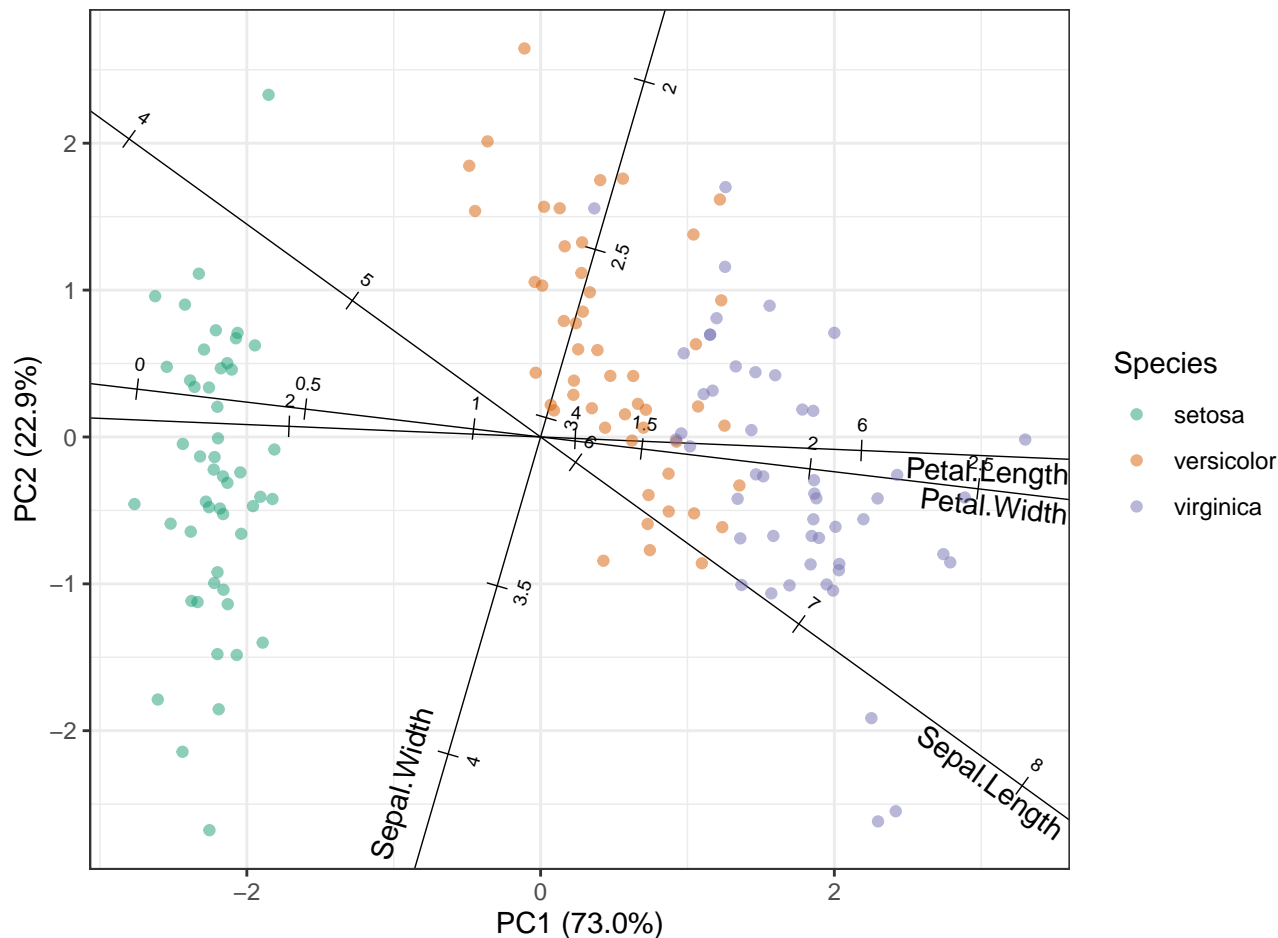
Variable loadings scaled to secondary axes

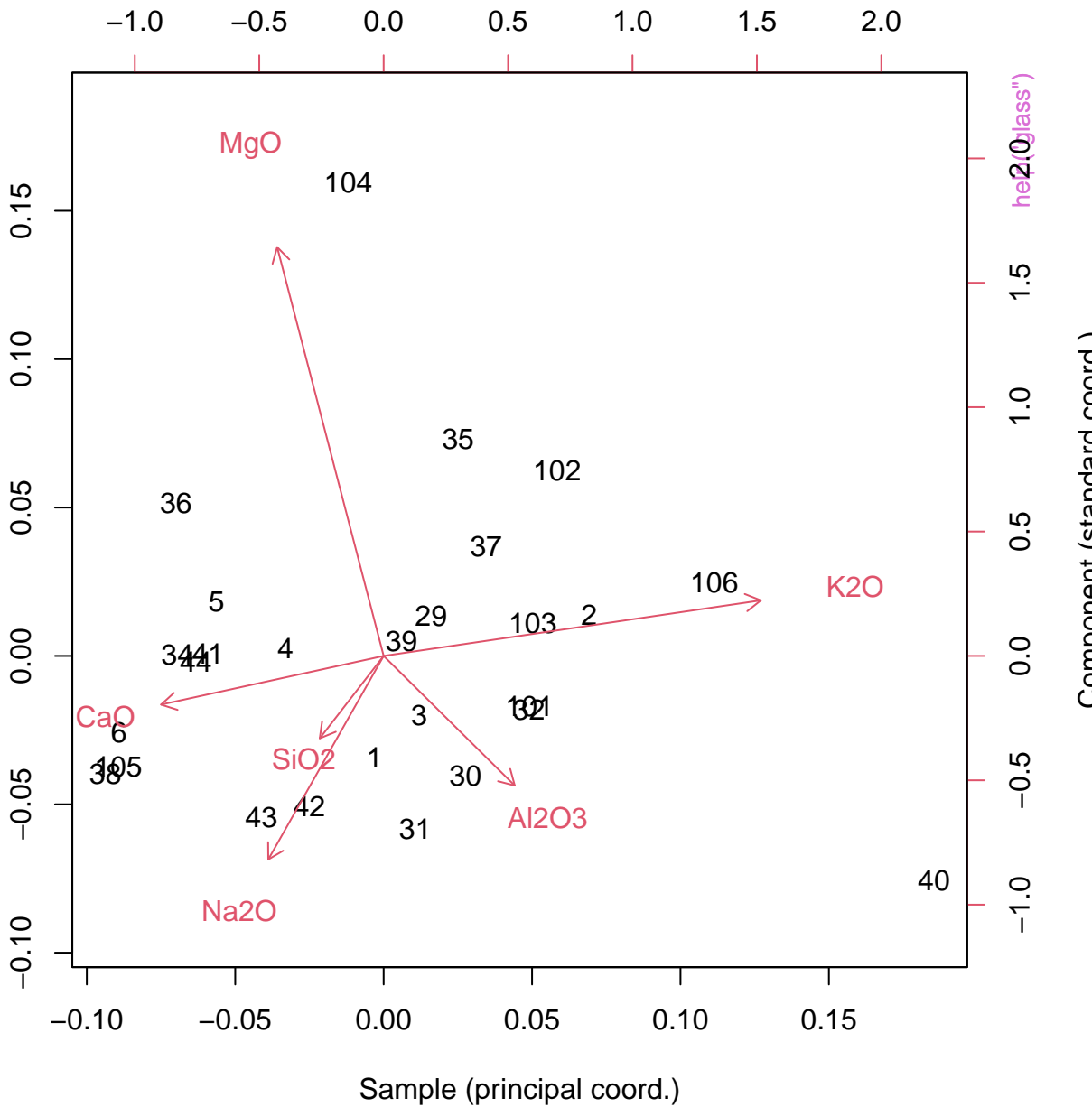




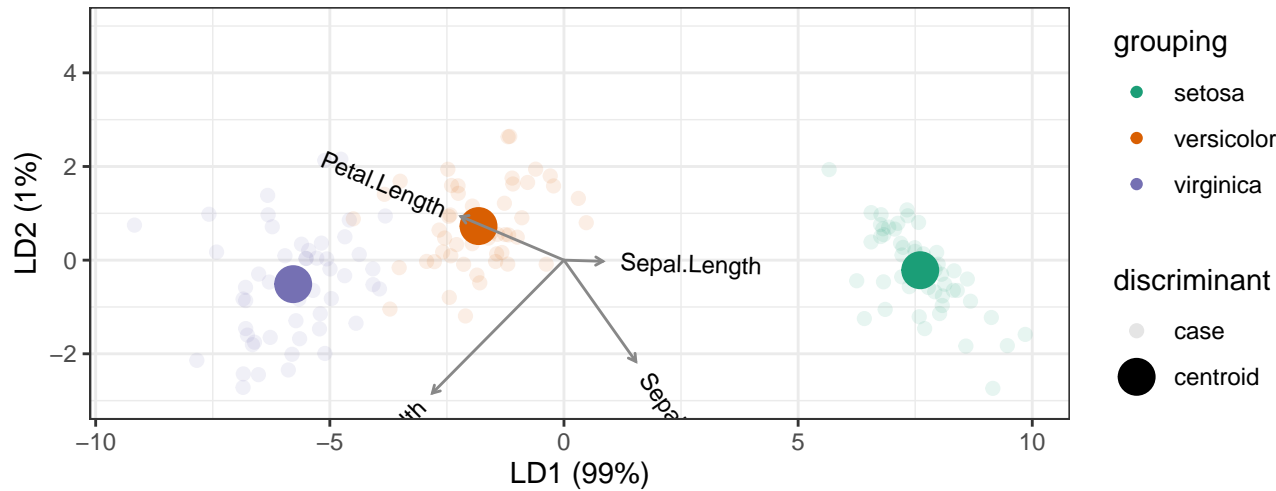


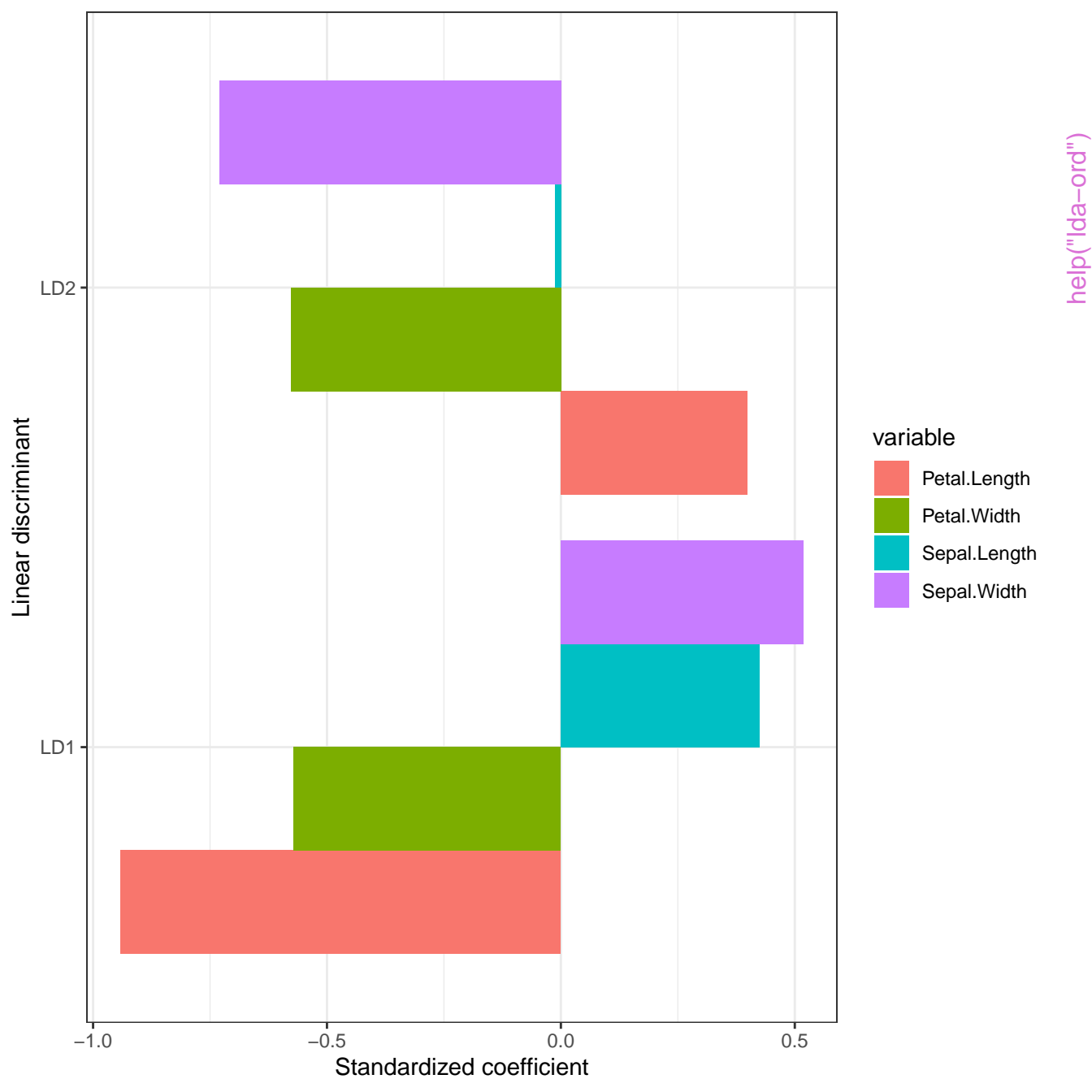
Predictive biplot of Anderson iris measurements



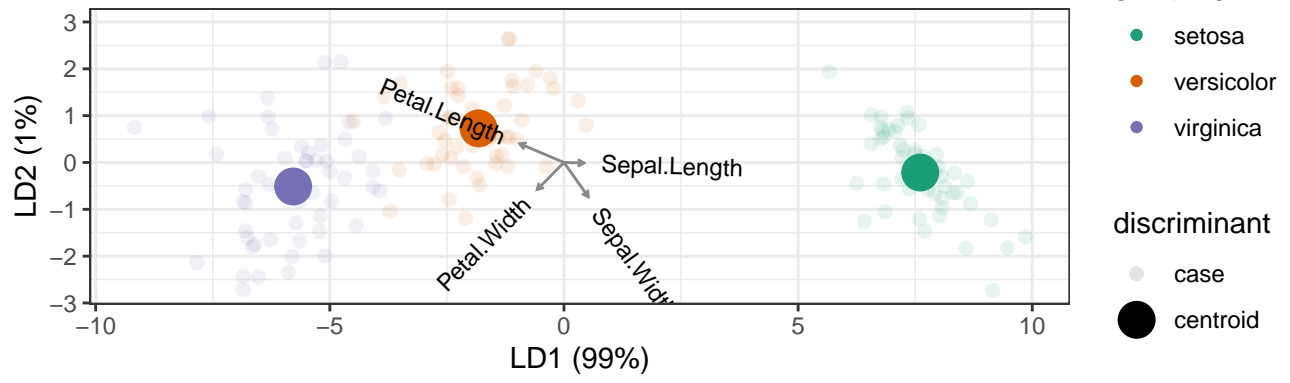


Unstandardized coefficient biplot of iris LDA



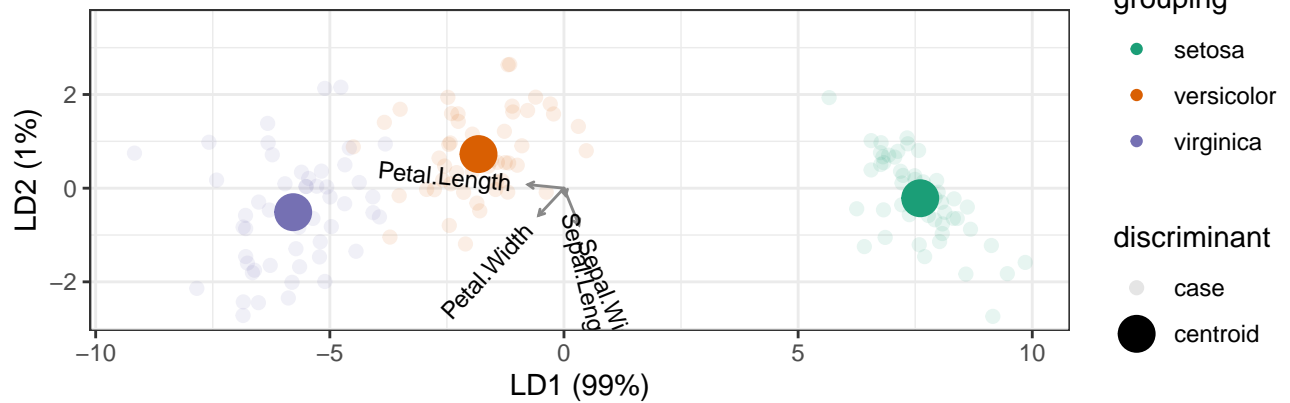


Standardized coefficient biplot of iris LDA

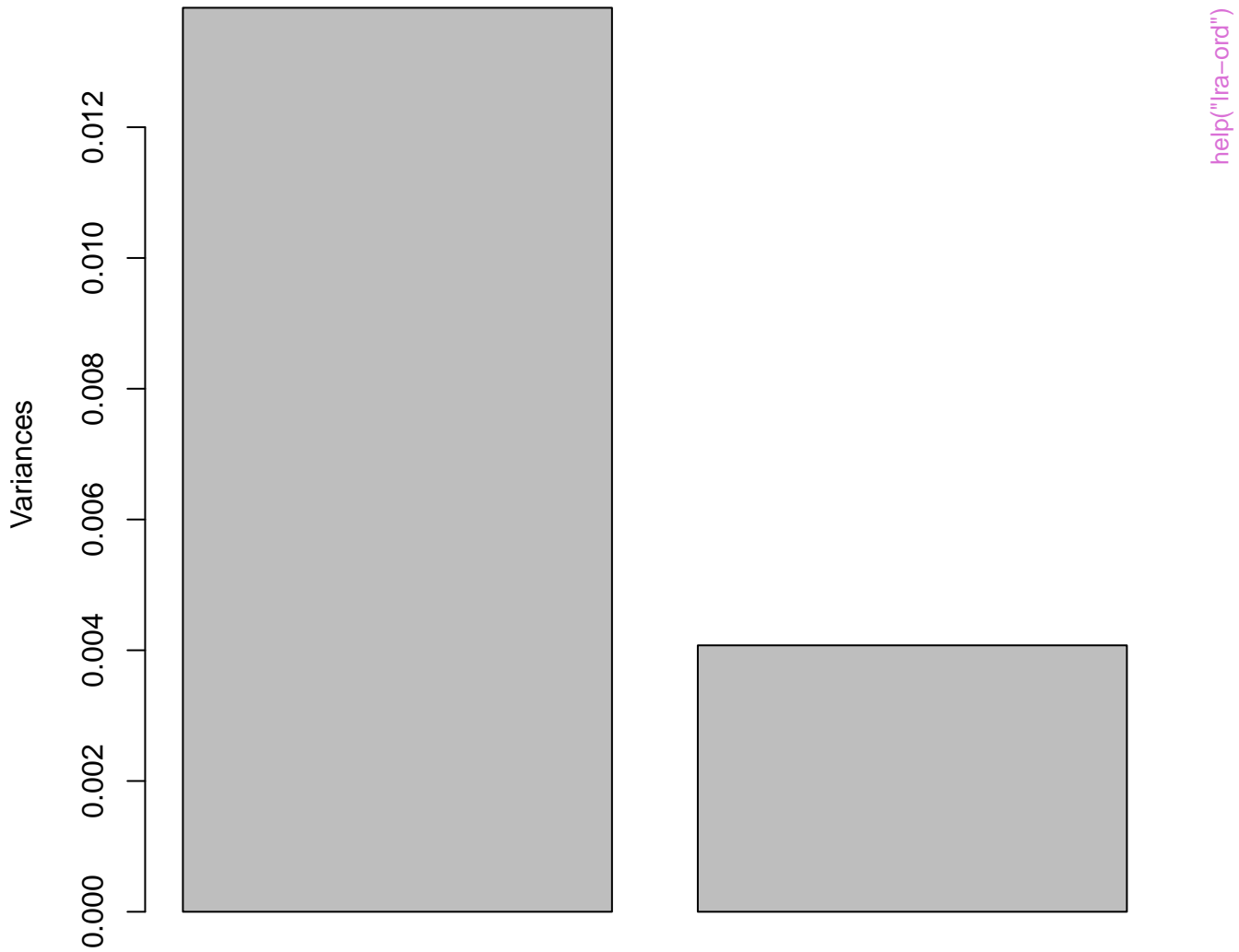


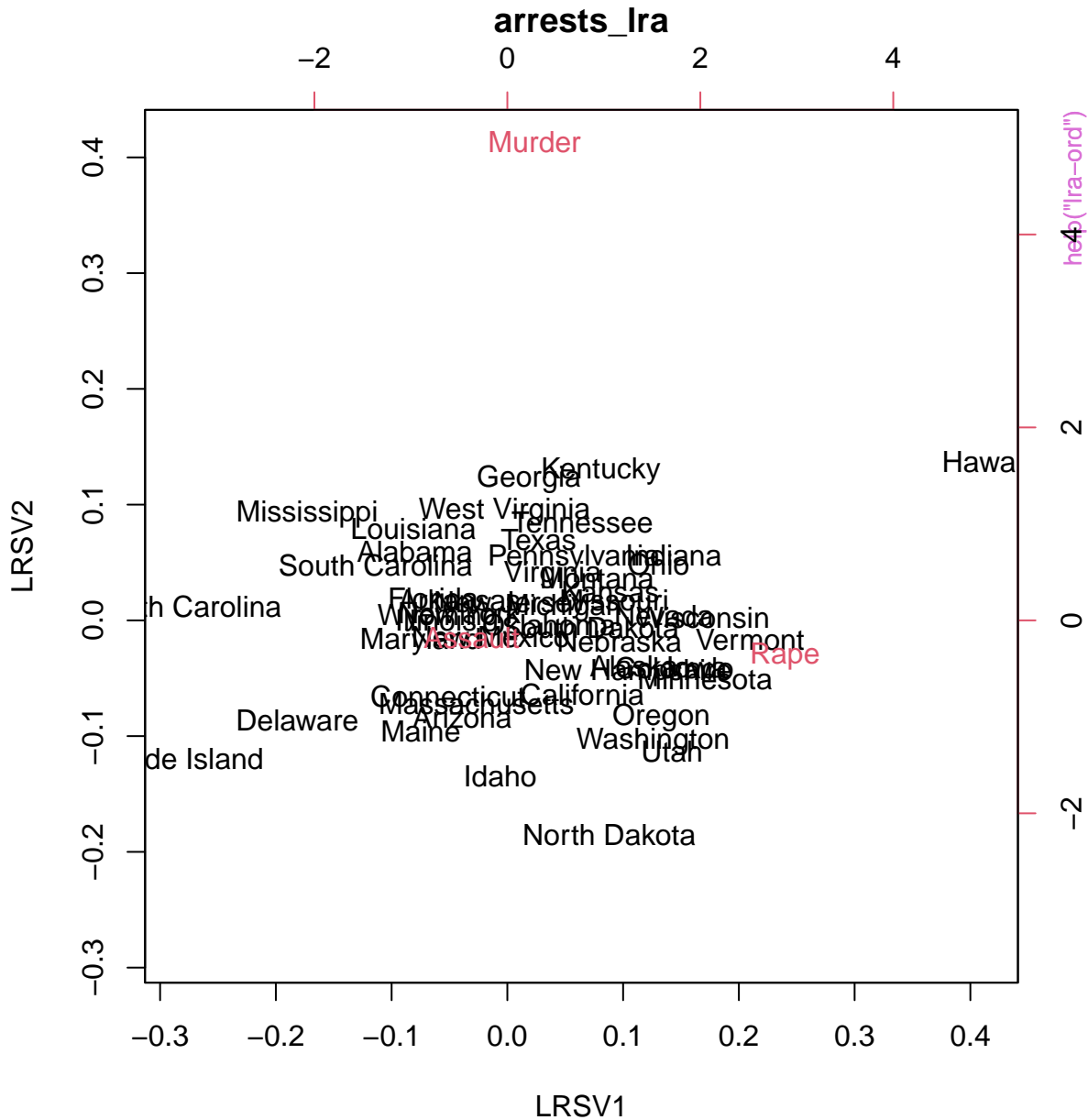


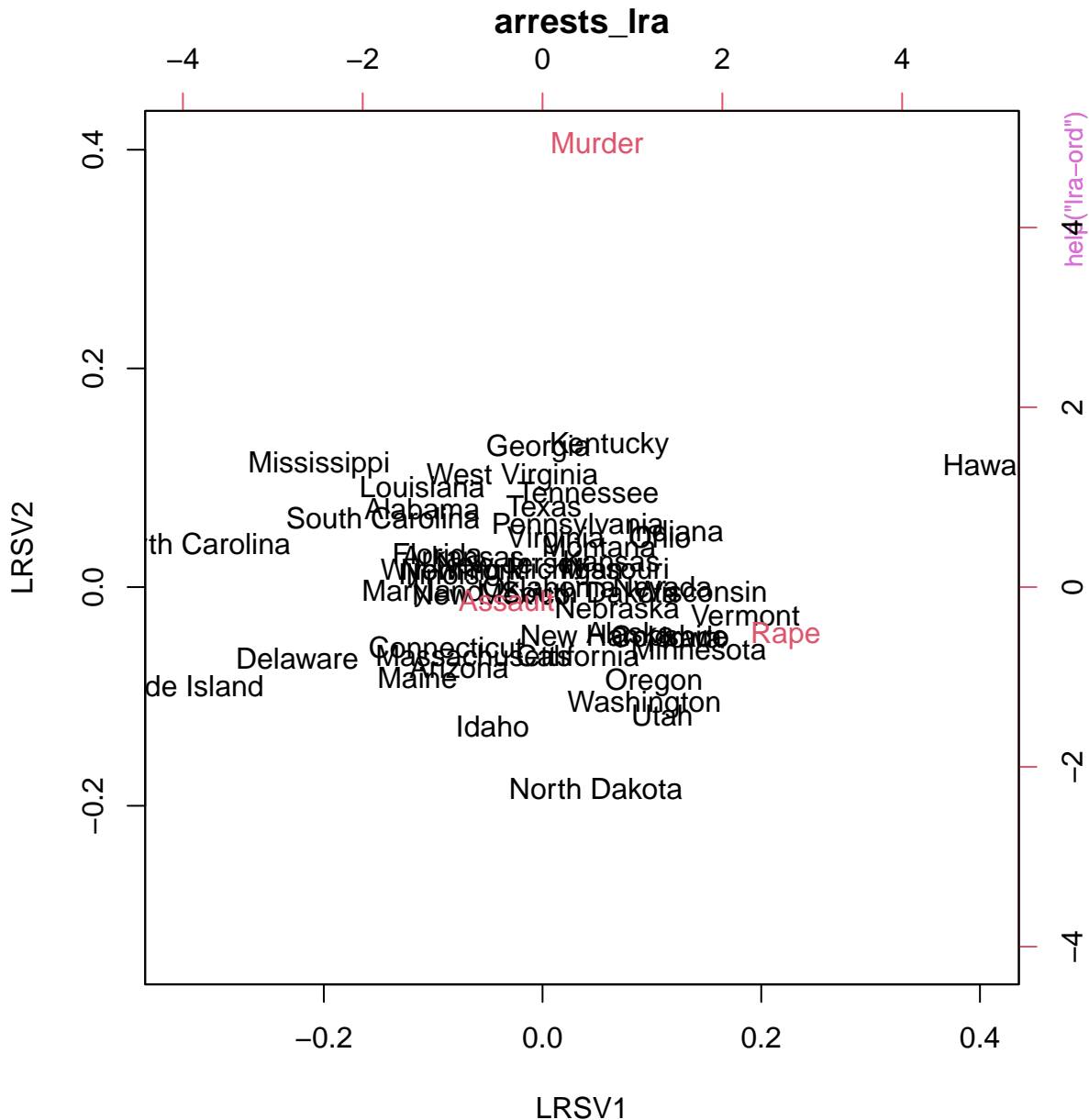
Contribution biplot of iris LDA

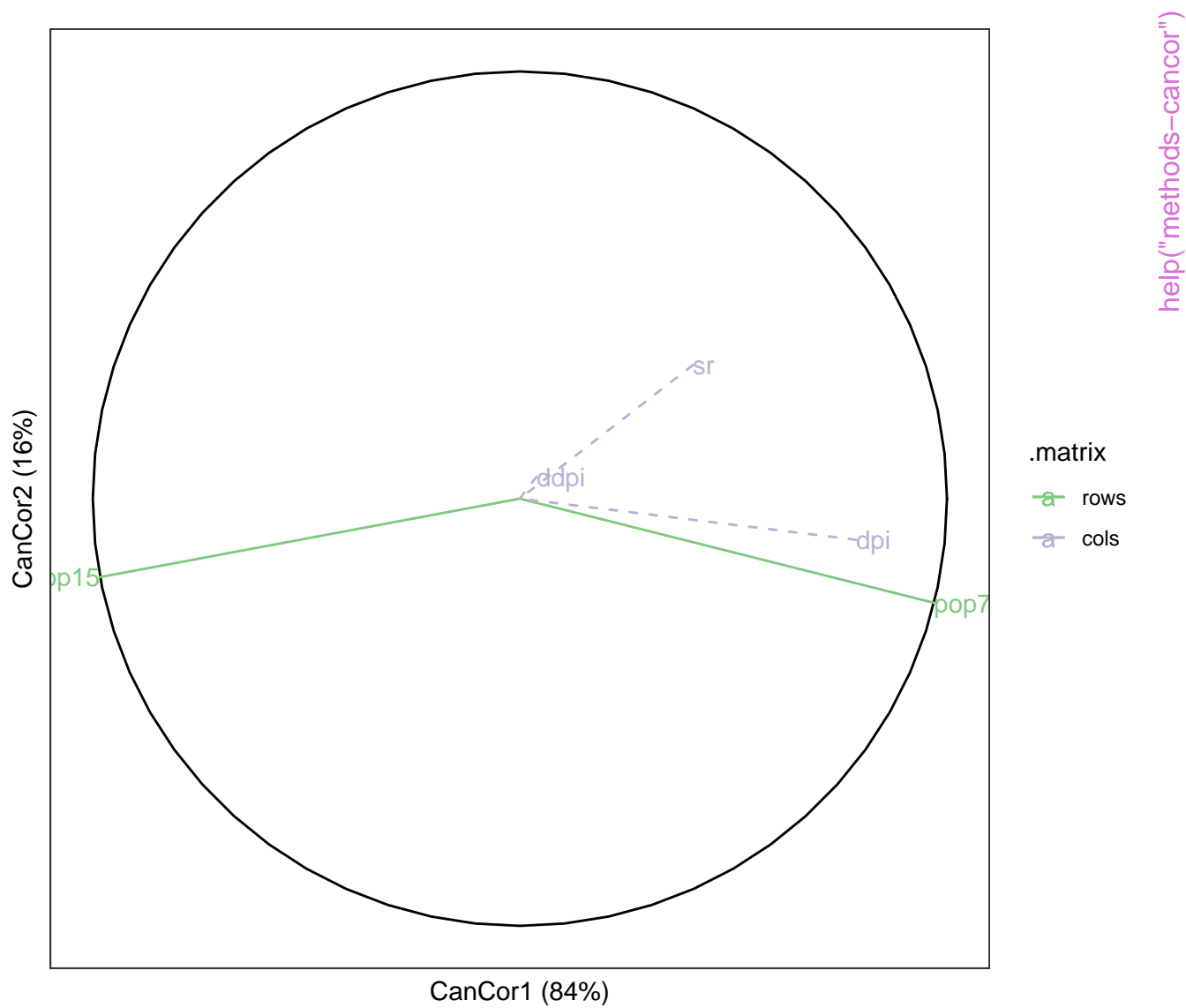


# arrests\_lra





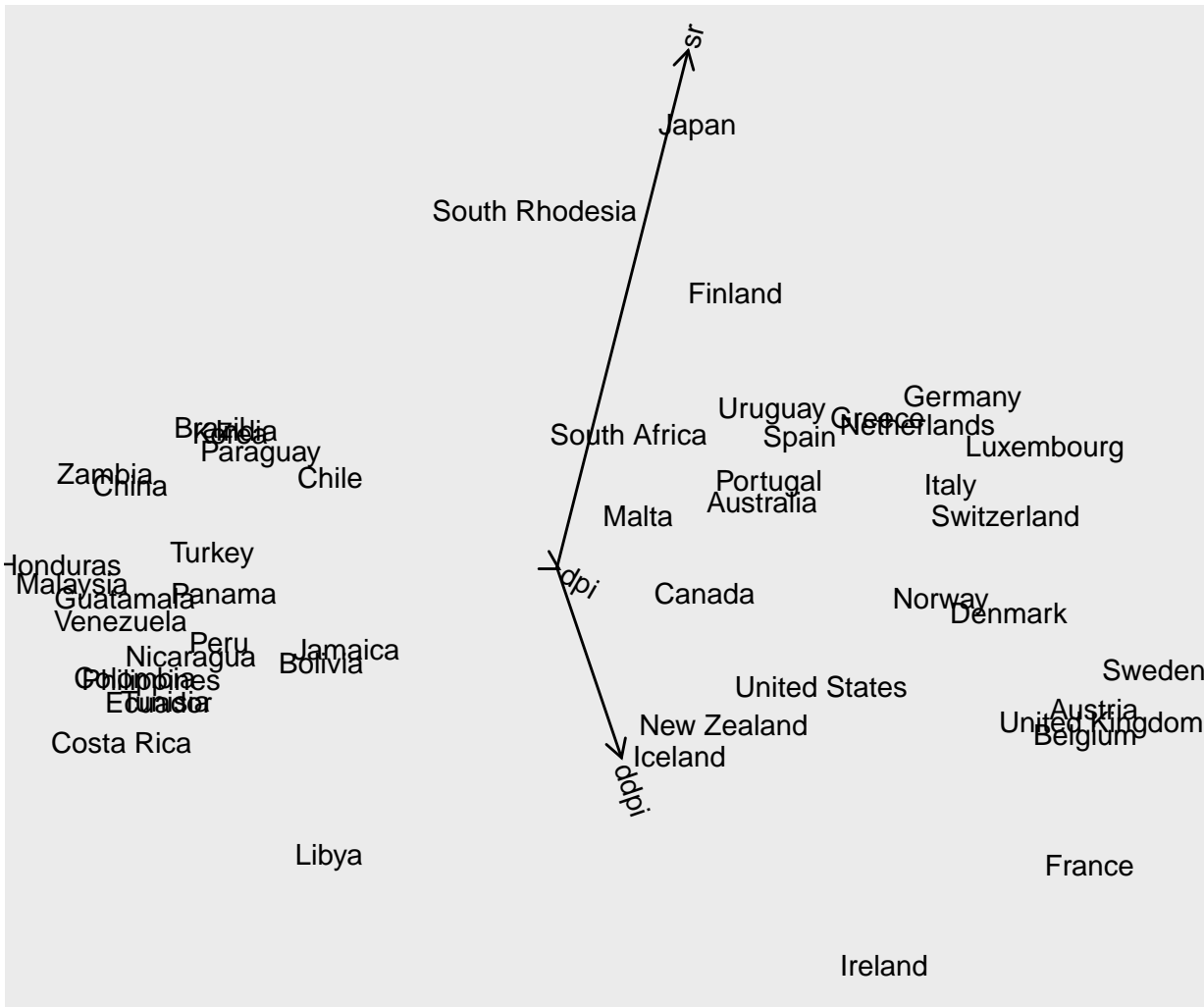




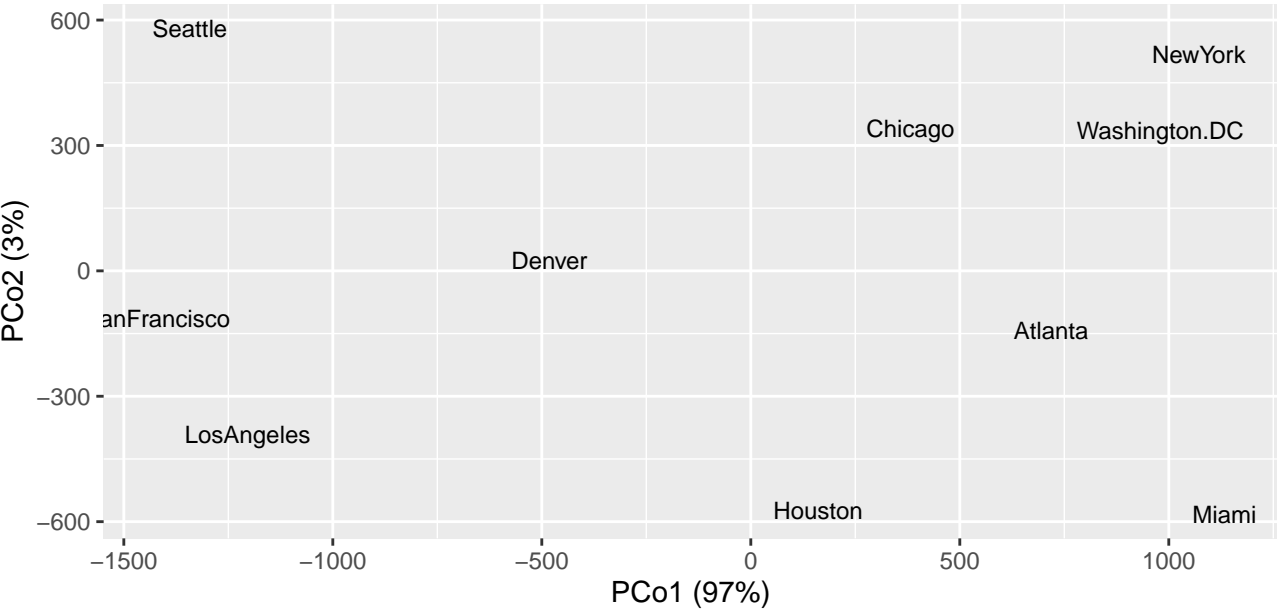
CanCor2 (16%)

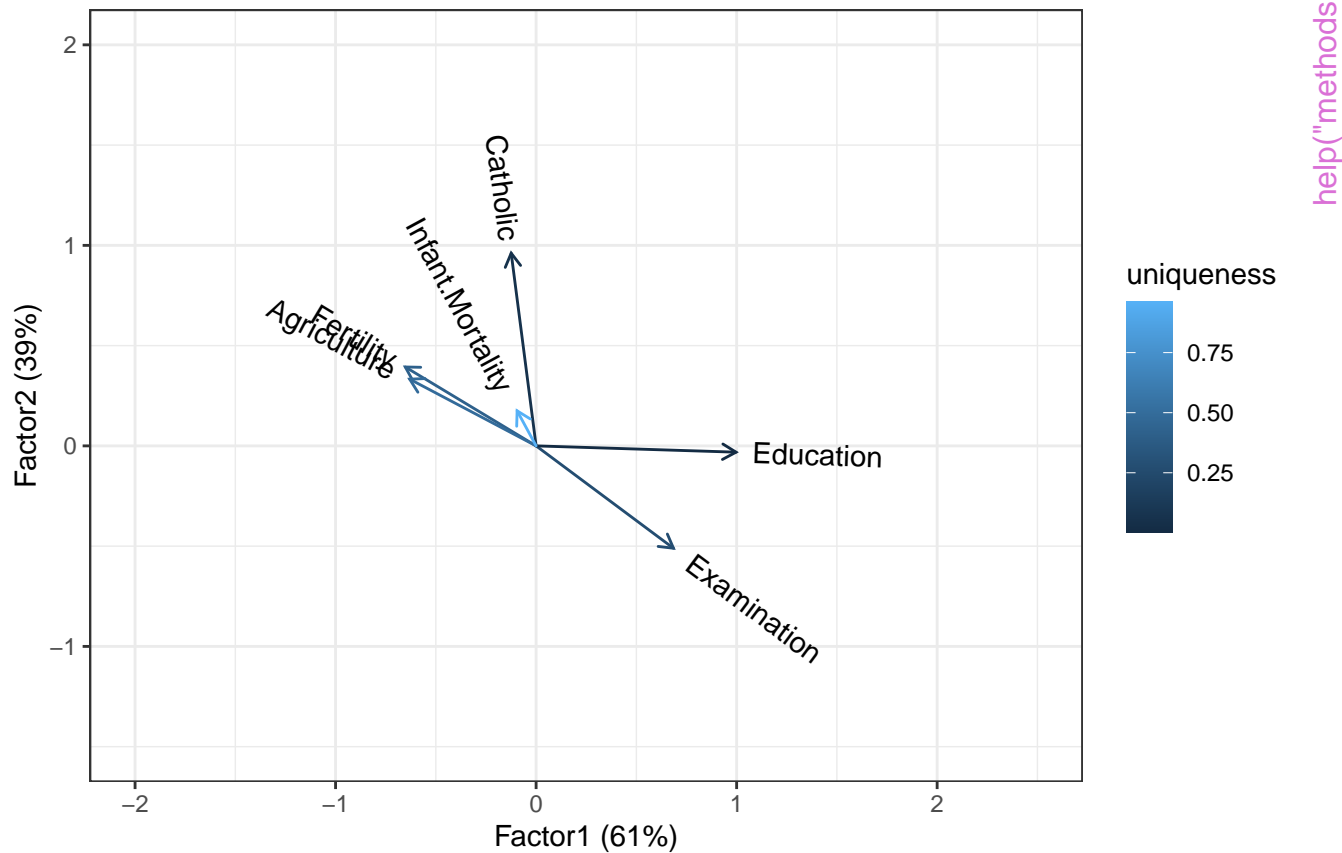
CanCor1 (84%)

help("methods-cancor")

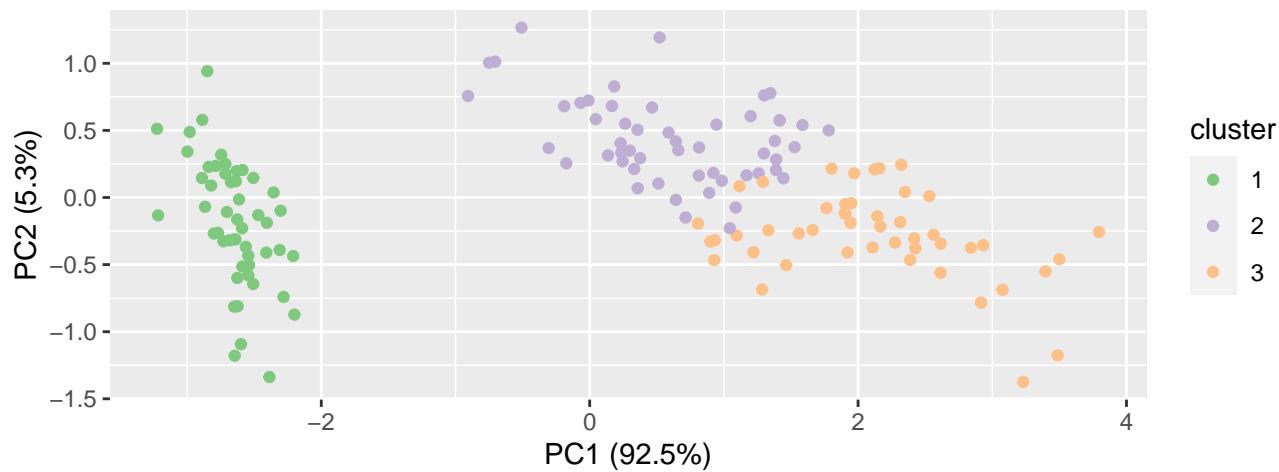


MDS biplot of distances between U.S. cities





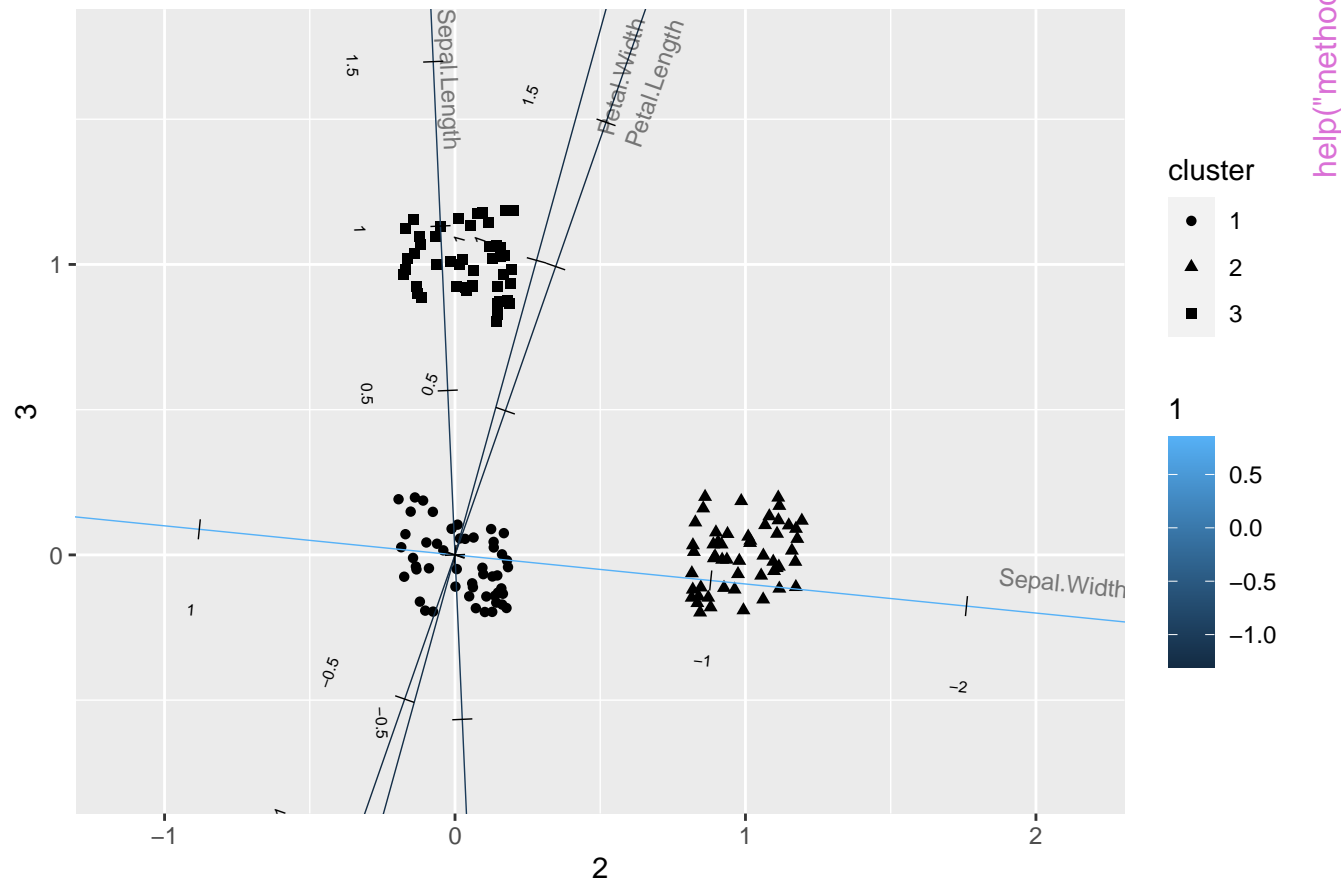




help("methods-kmeans")

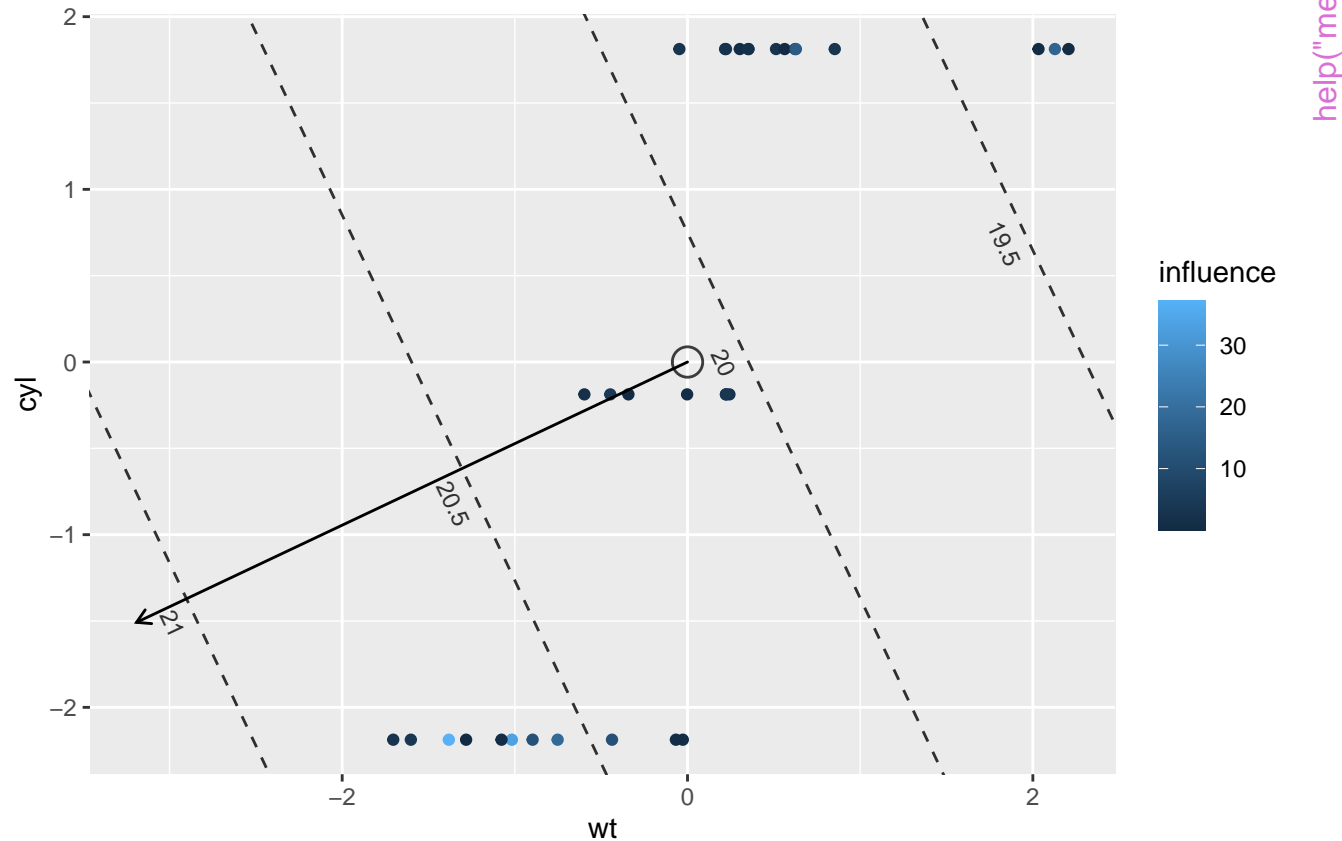
## Measurement loadings onto clusters 2 and 3

Color indicates loadings onto cluster 1

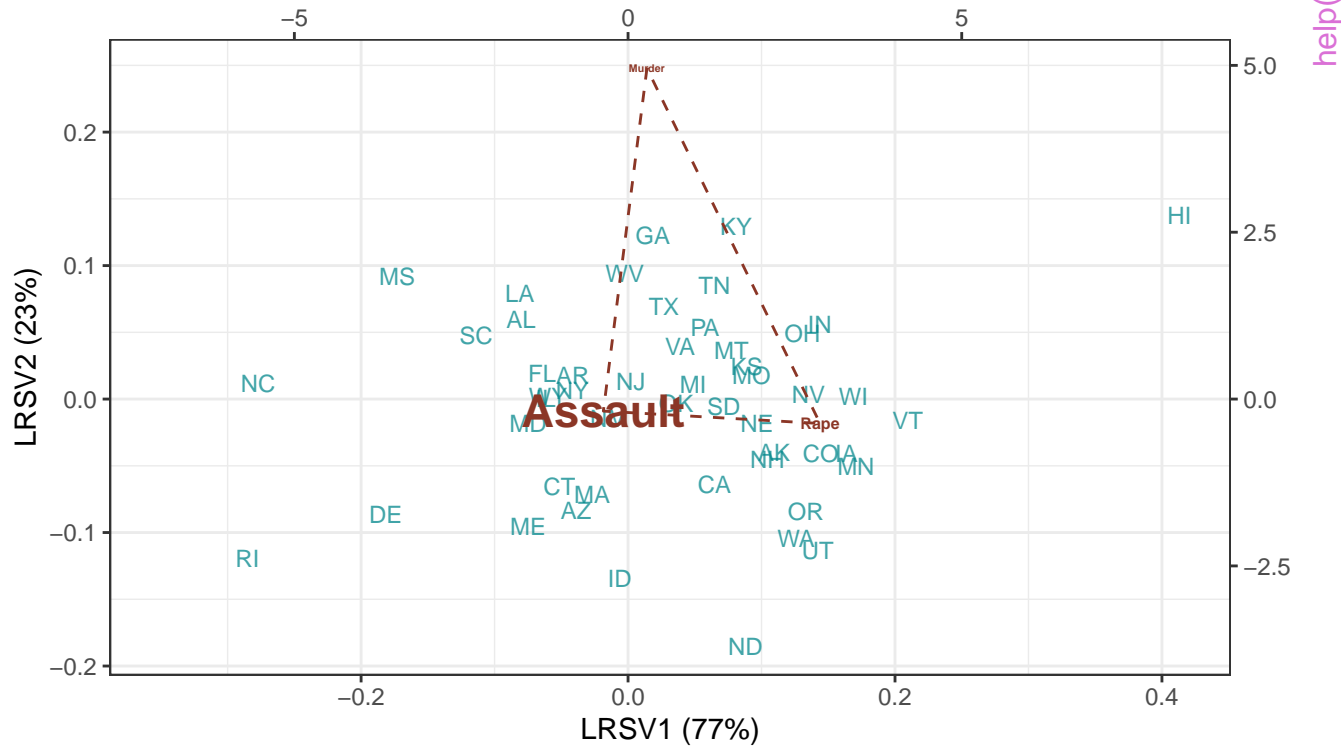


# Weight isolines with data colored by importance

## Regressing gas mileage onto weight and number of cylinders



Non-compositional LRA of violent crime arrest rates  
United States, 1973



Dim2 (41%)

Dim1 (59%)

Admitted

Rejected

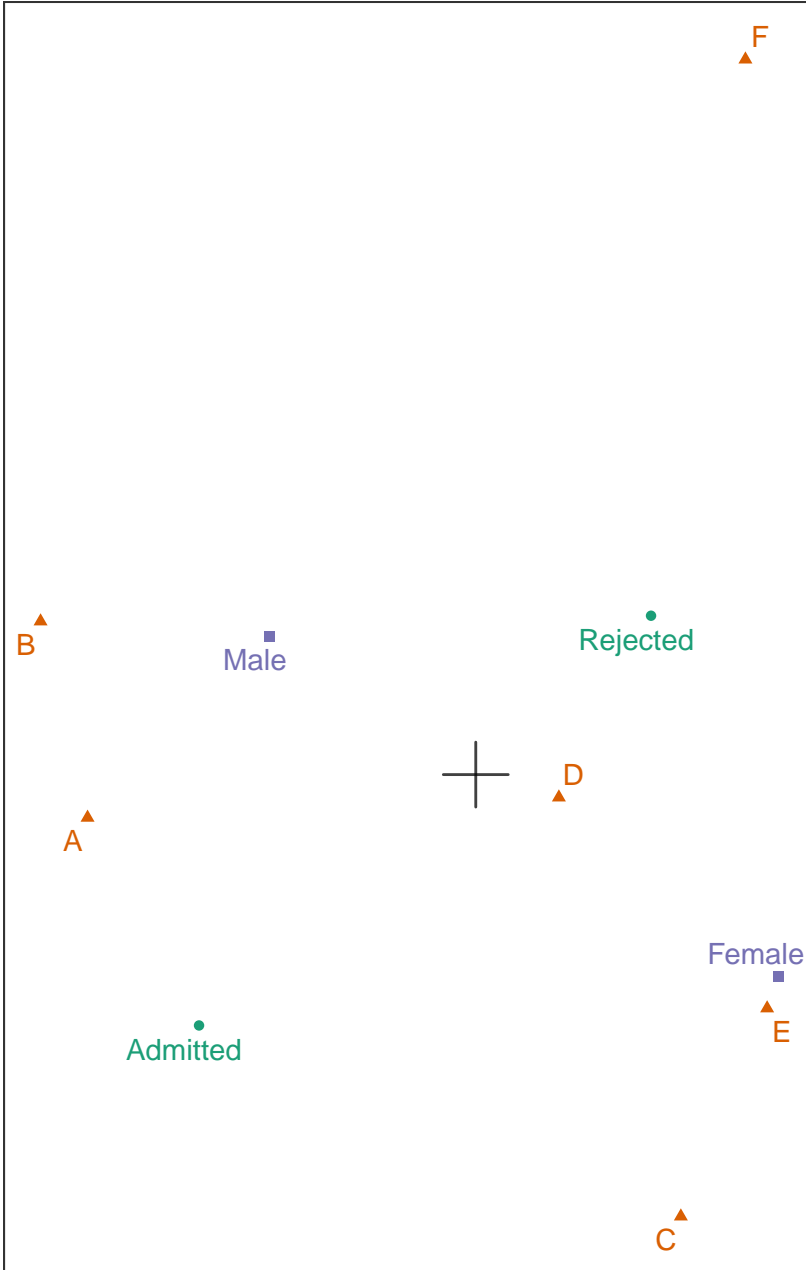
Male

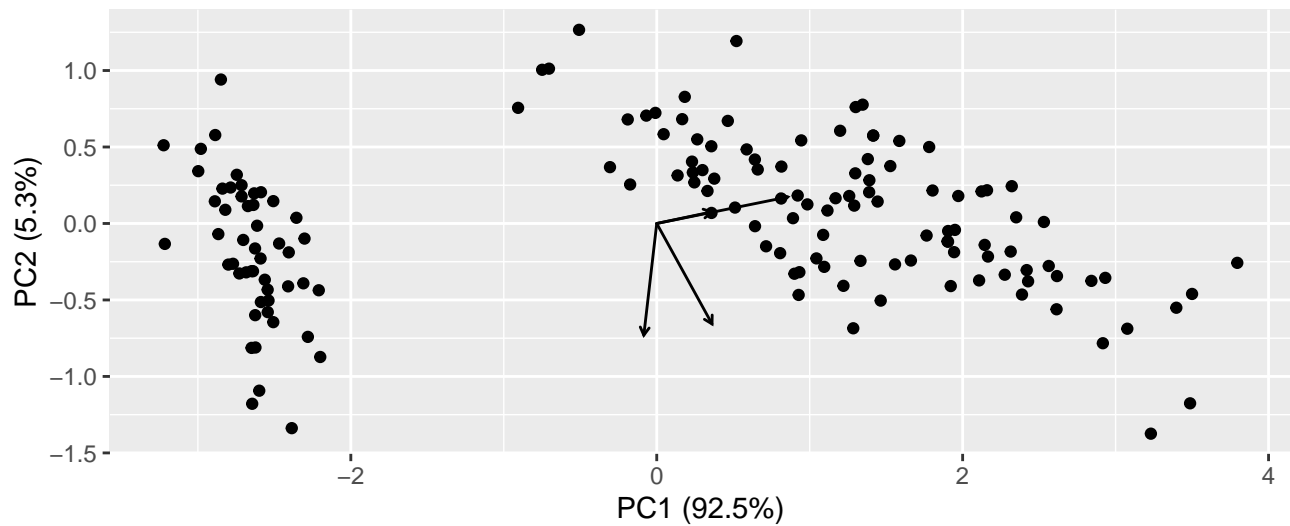
Female

Factor level

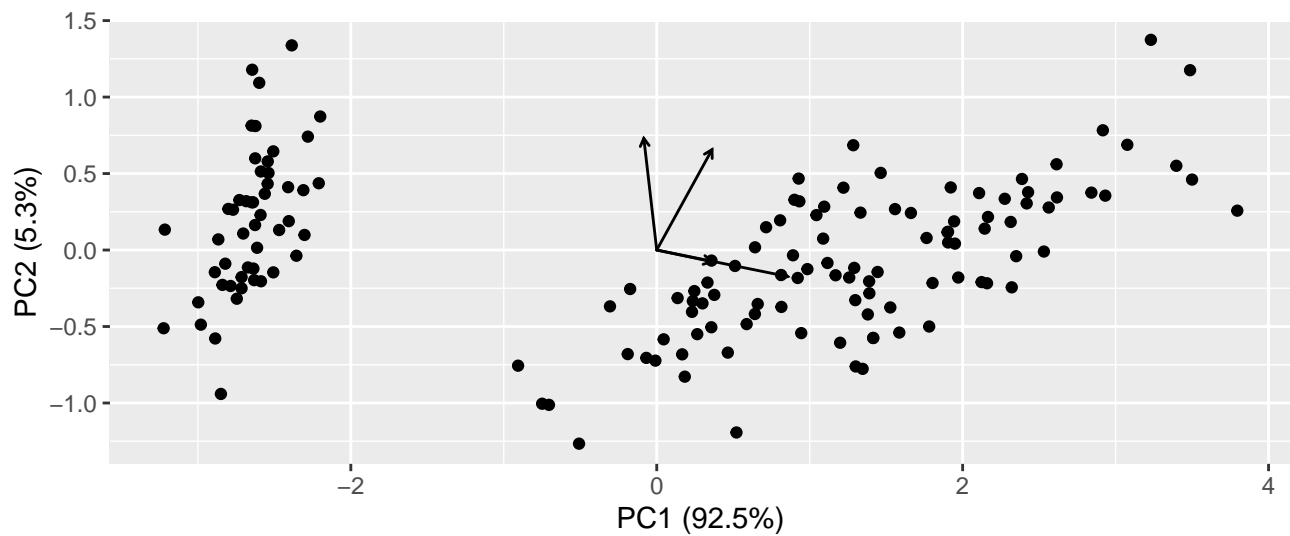
- Admit
- ▲ Dept
- Gender

help("methods-mca")





help("negation")



help("negation")

pca

-20

-10

0

10

20

0.2

0.1

0.0

-0.1

-0.2

PC2

help("neg20on")

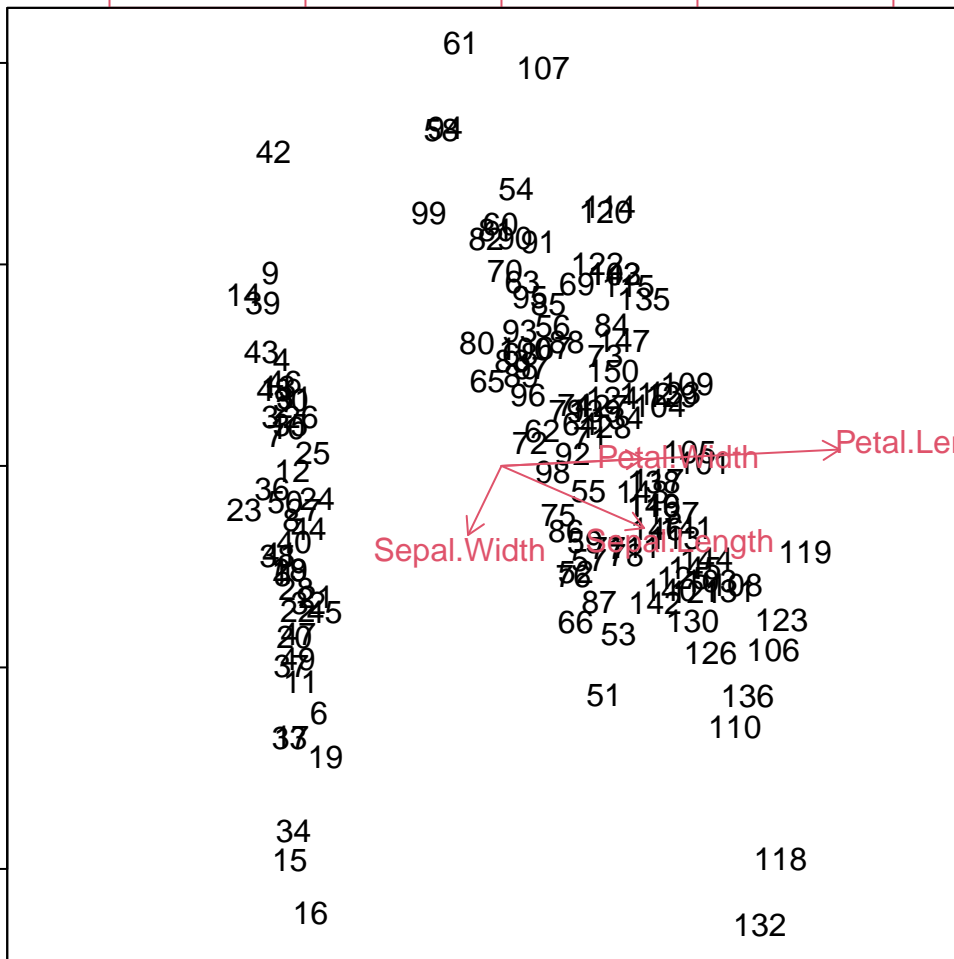
10

0

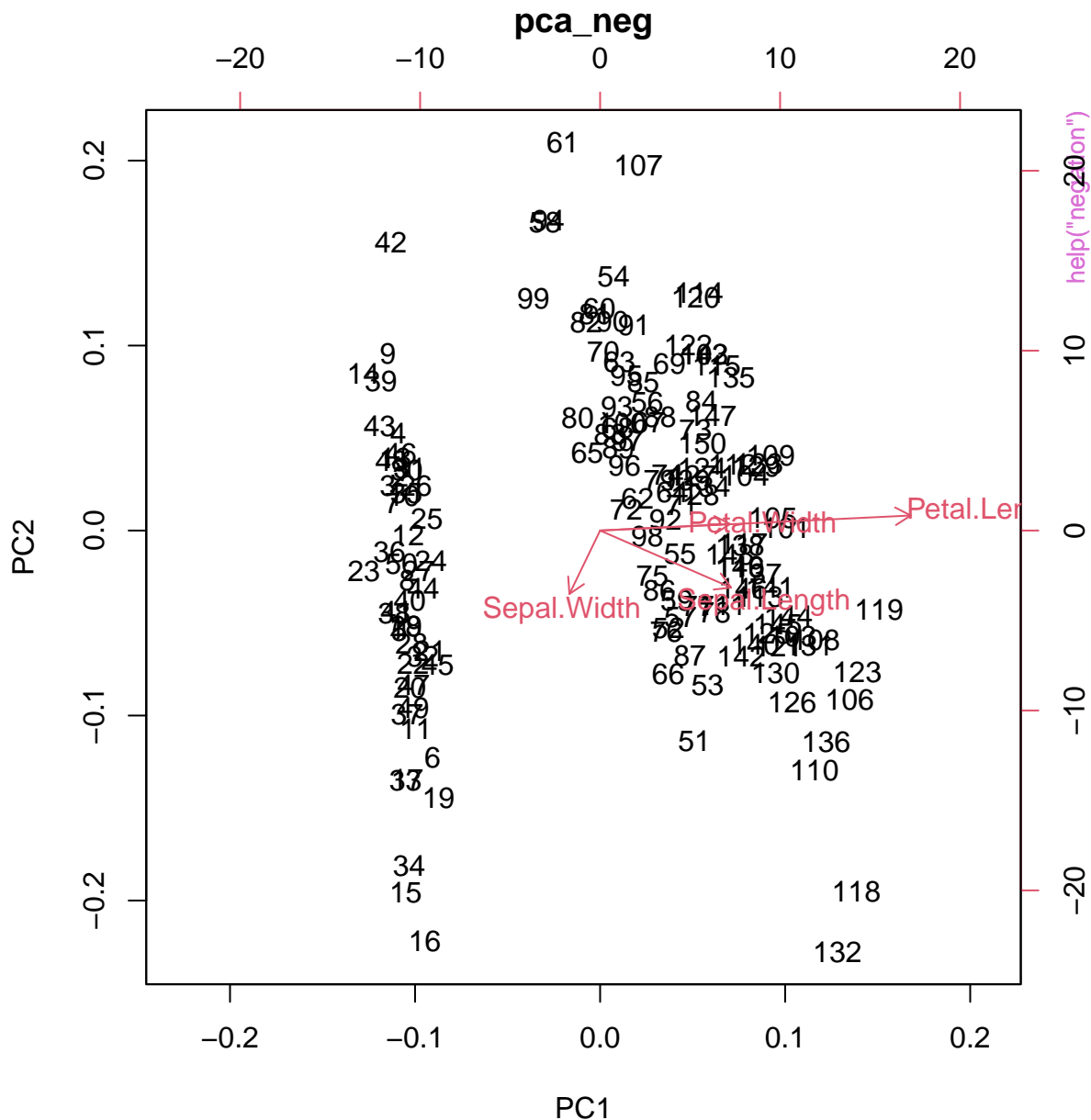
-10

-20

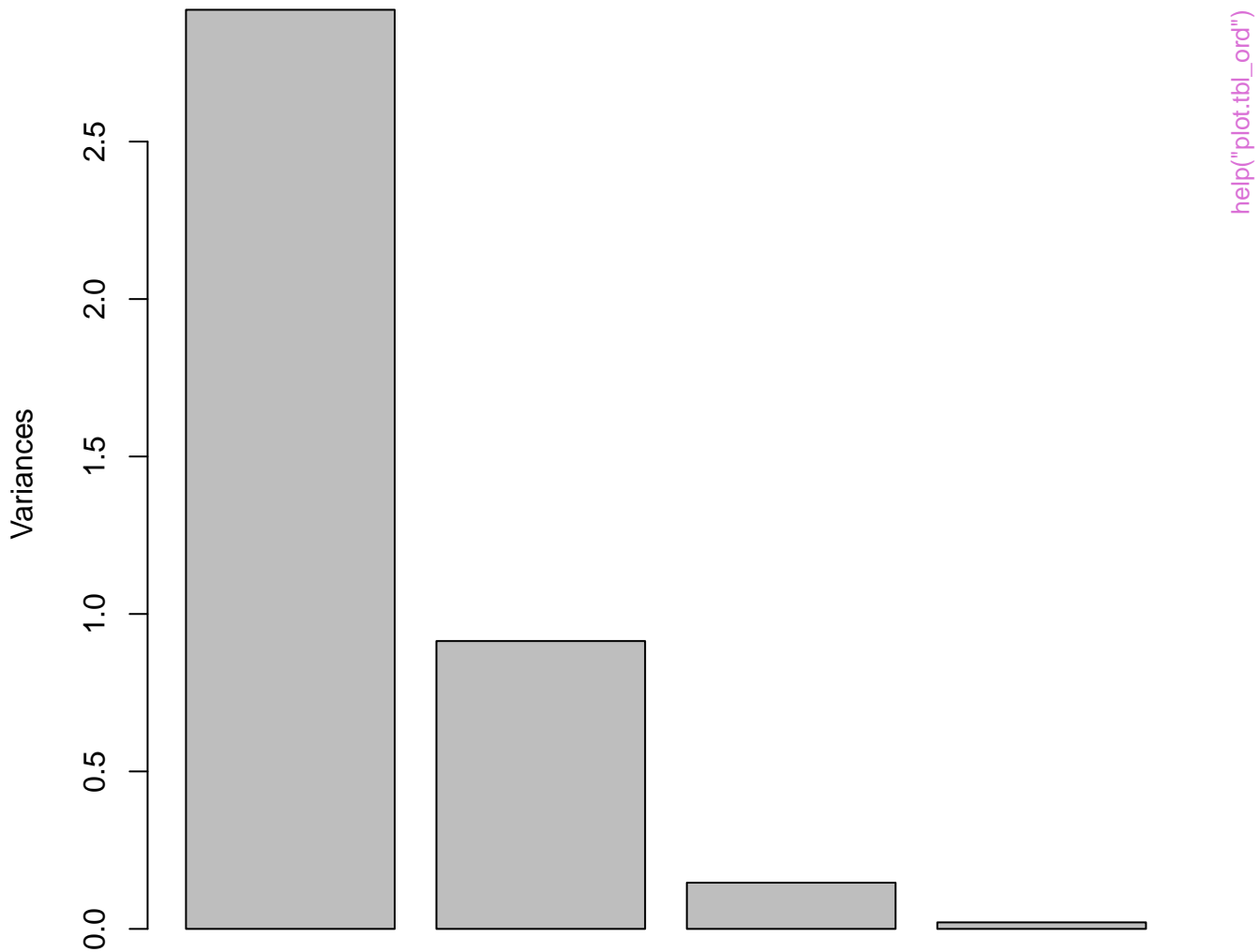
PC1



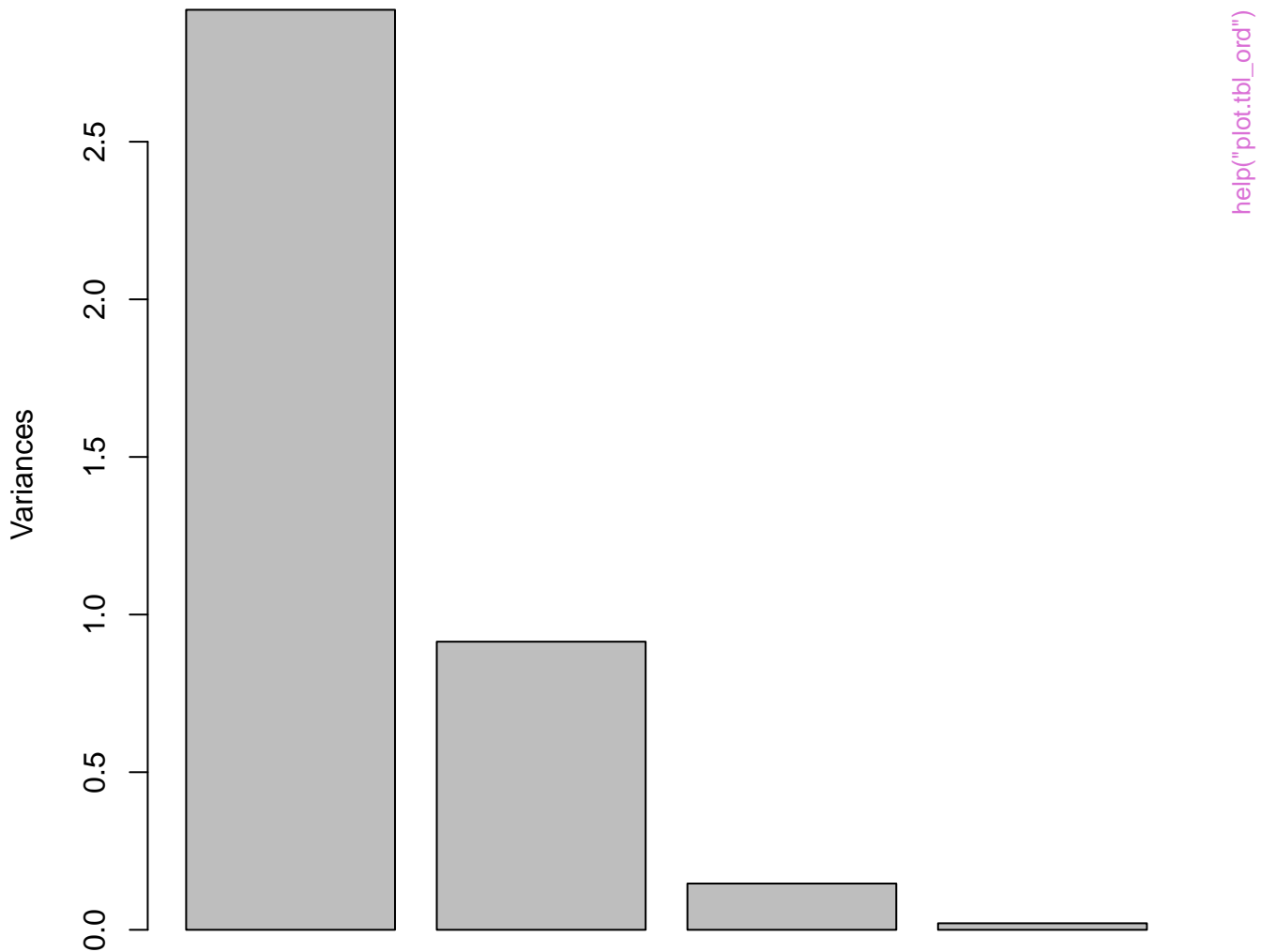




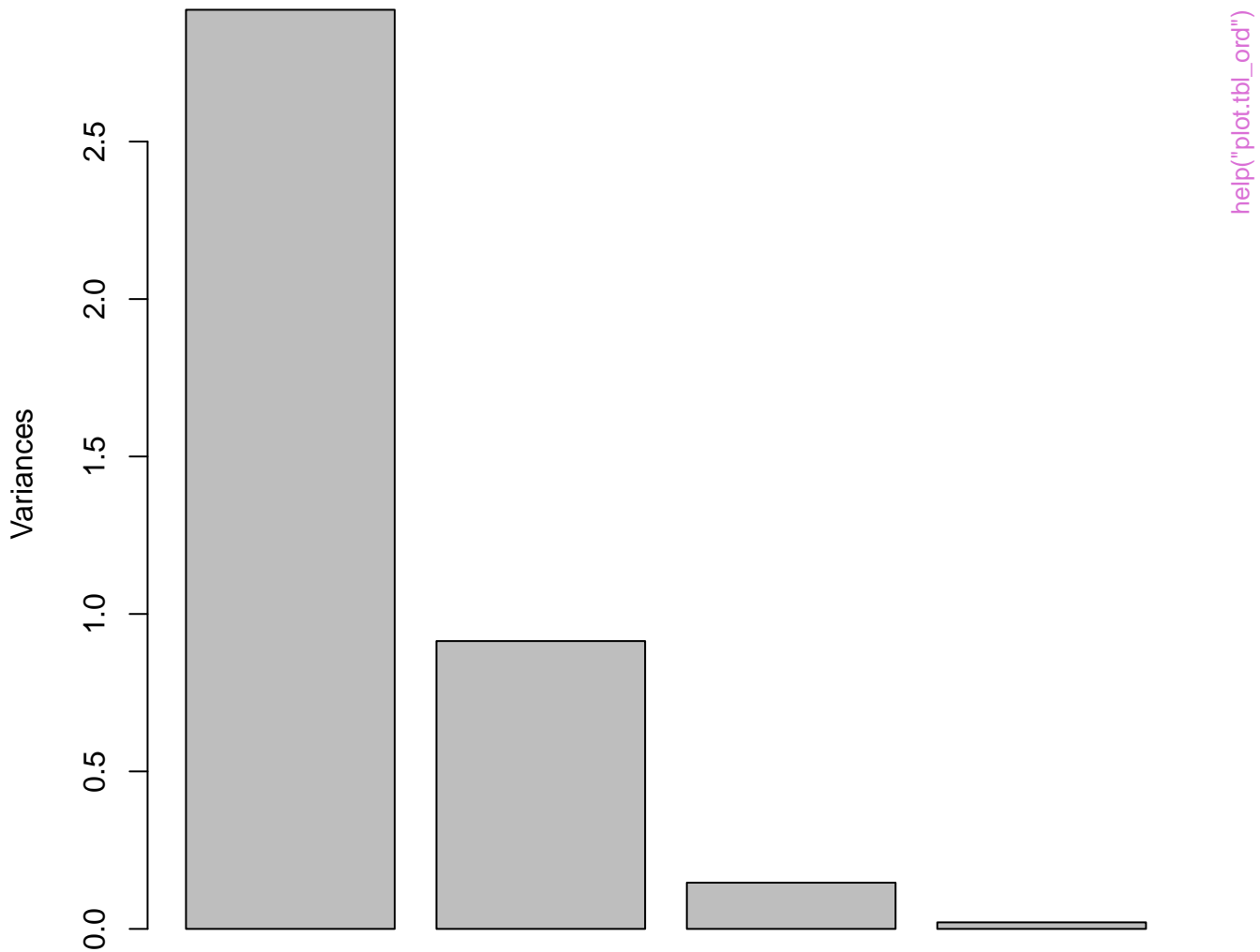
# iris\_pca



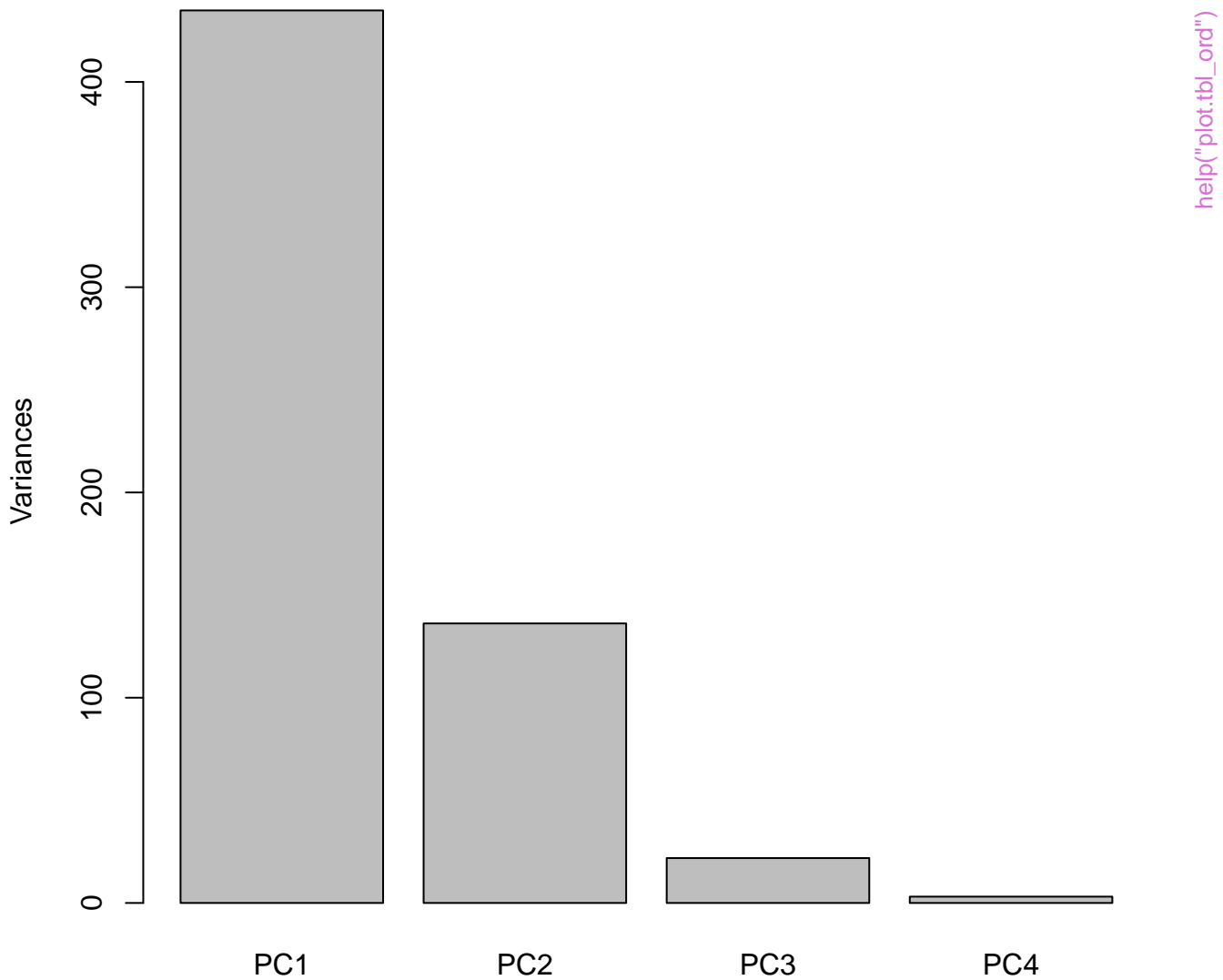
iris\_pca\_ord

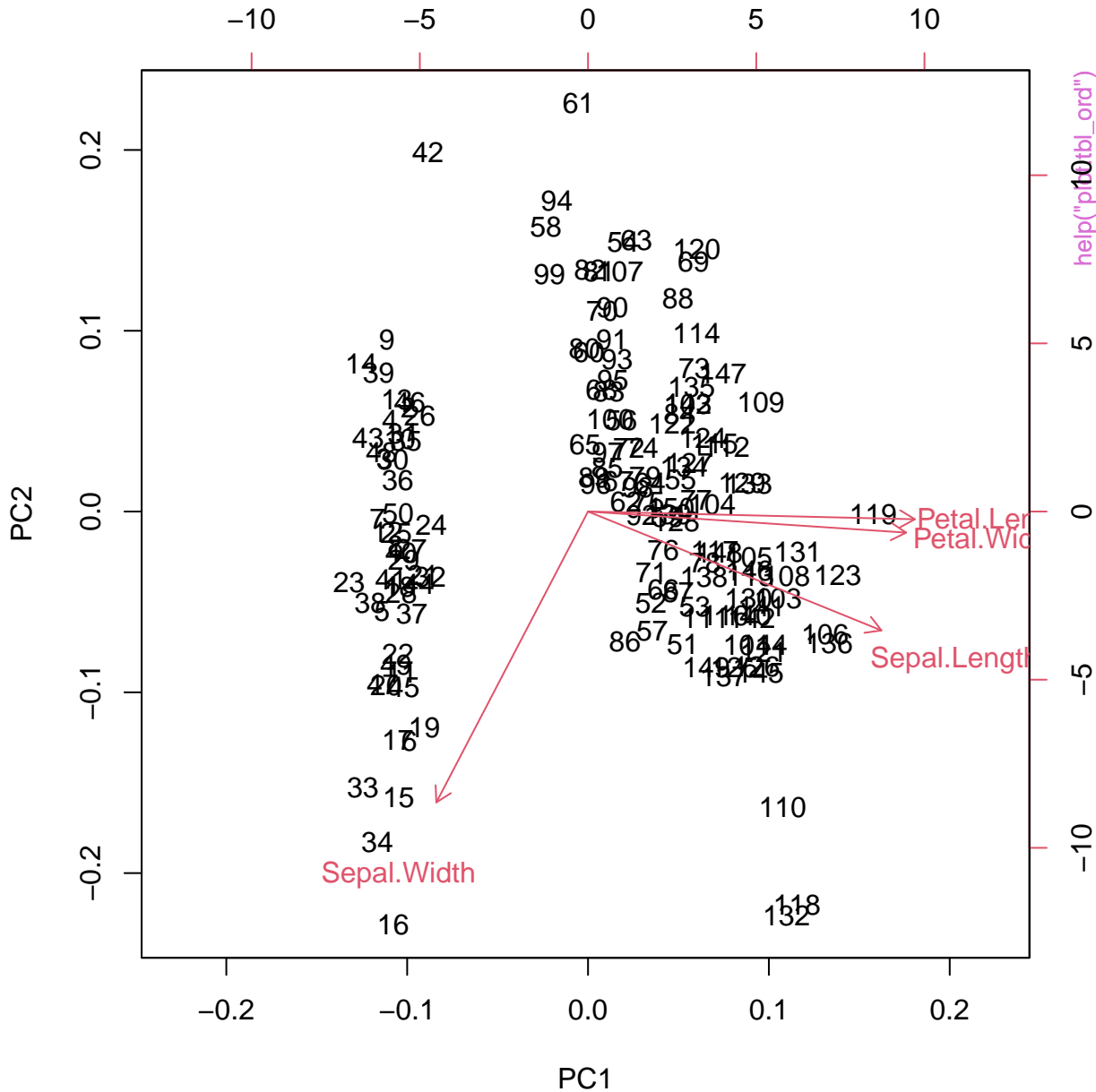


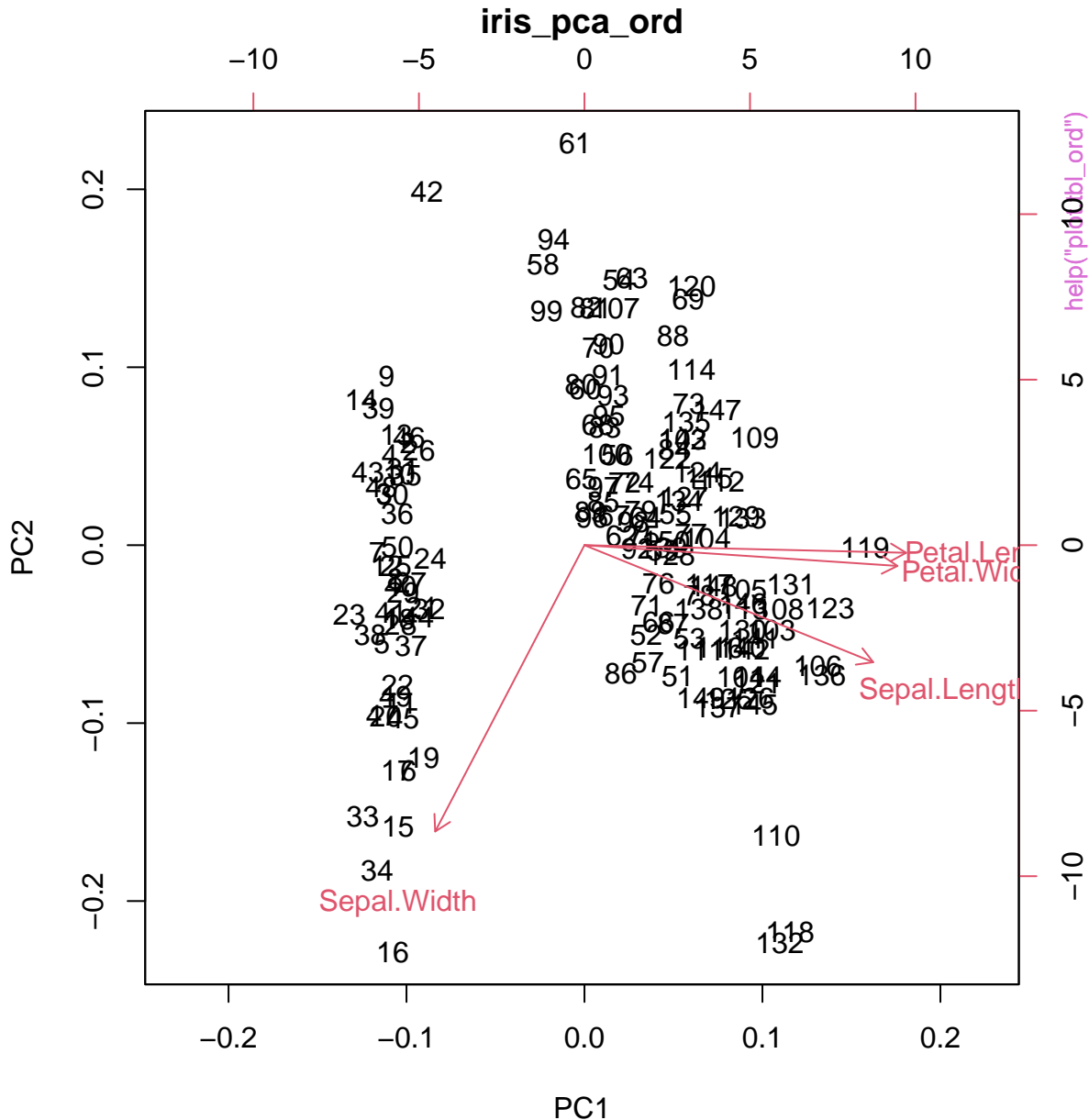
# iris\_pca

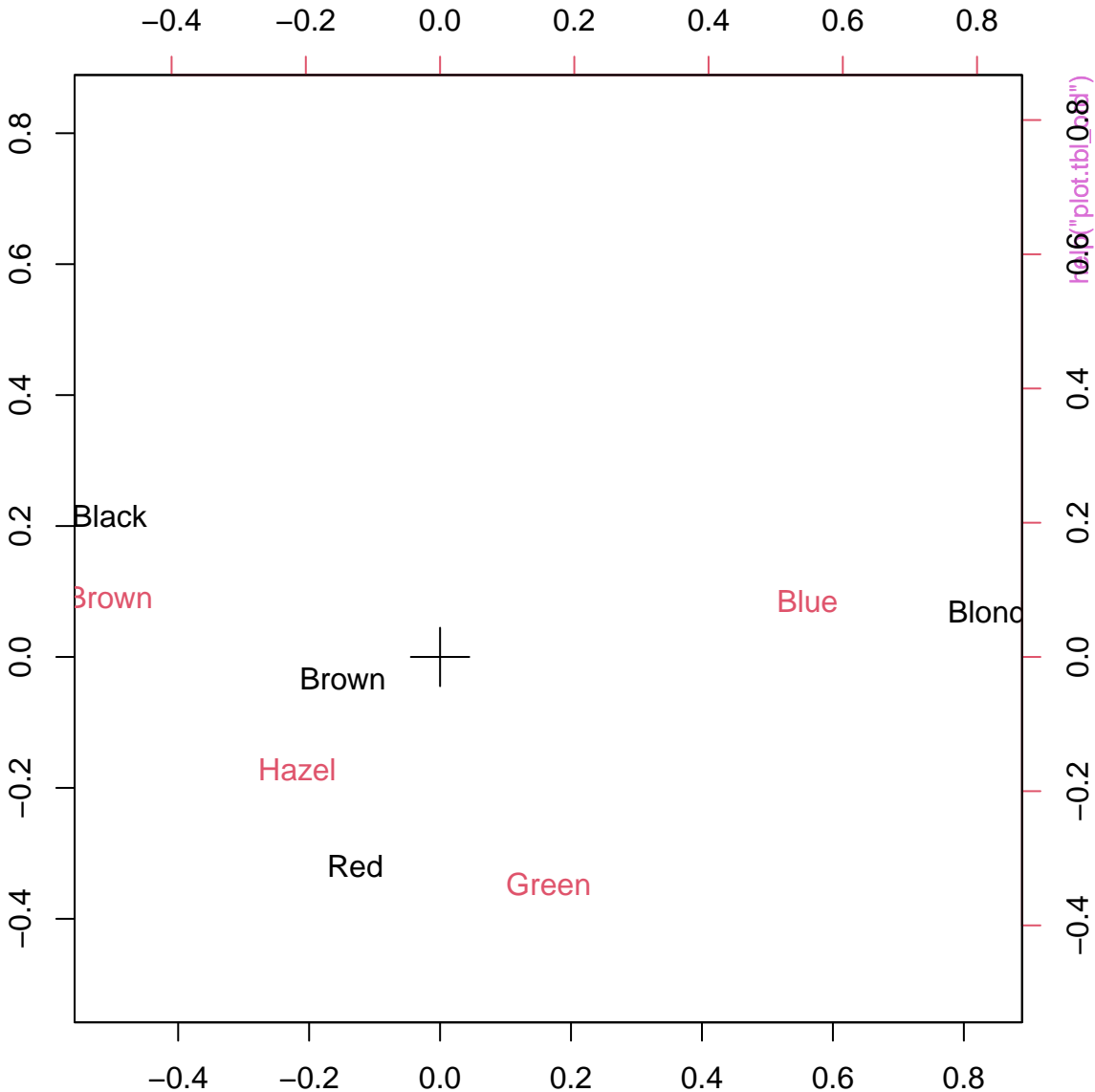


# iris\_pca\_ord

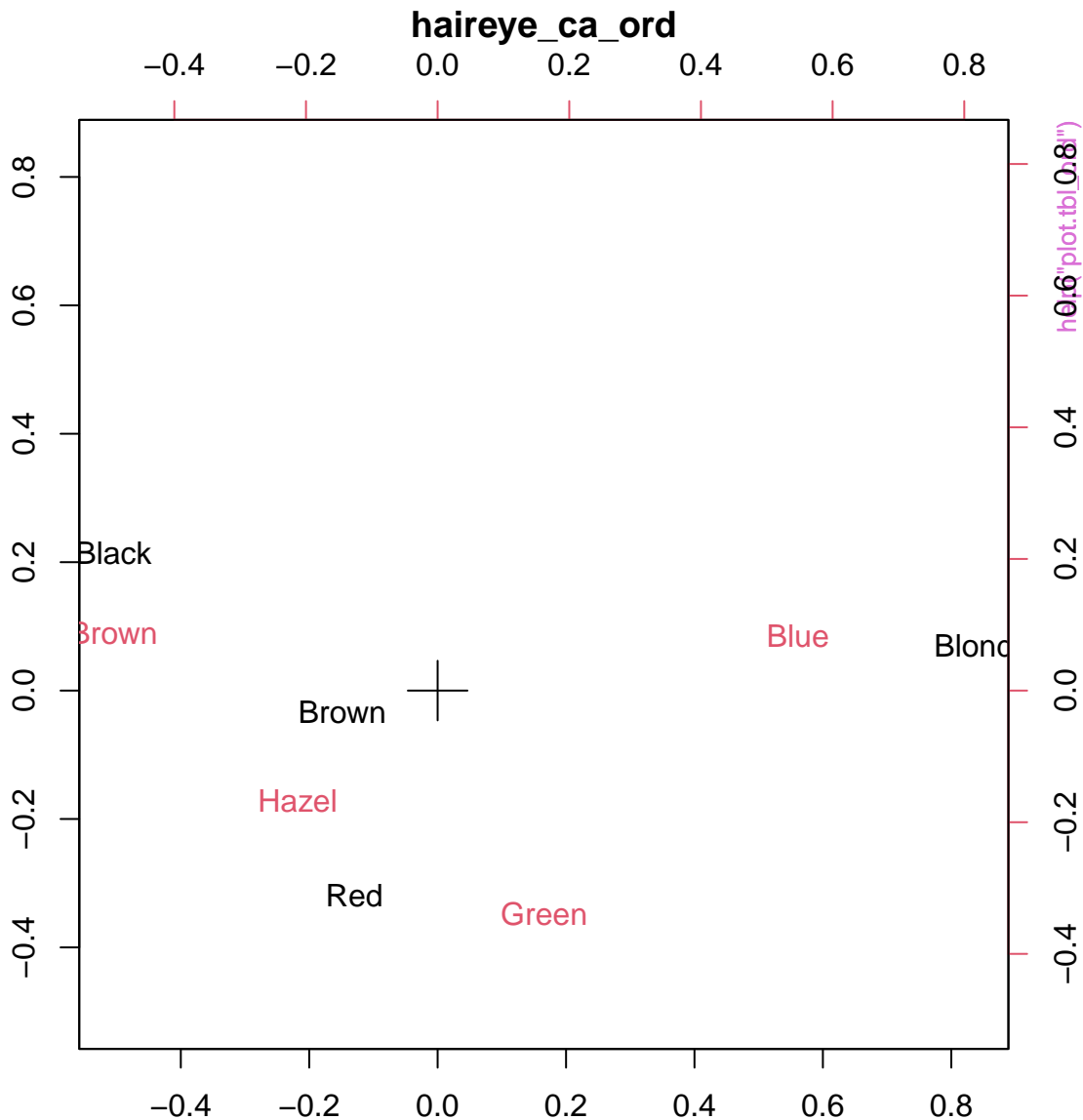




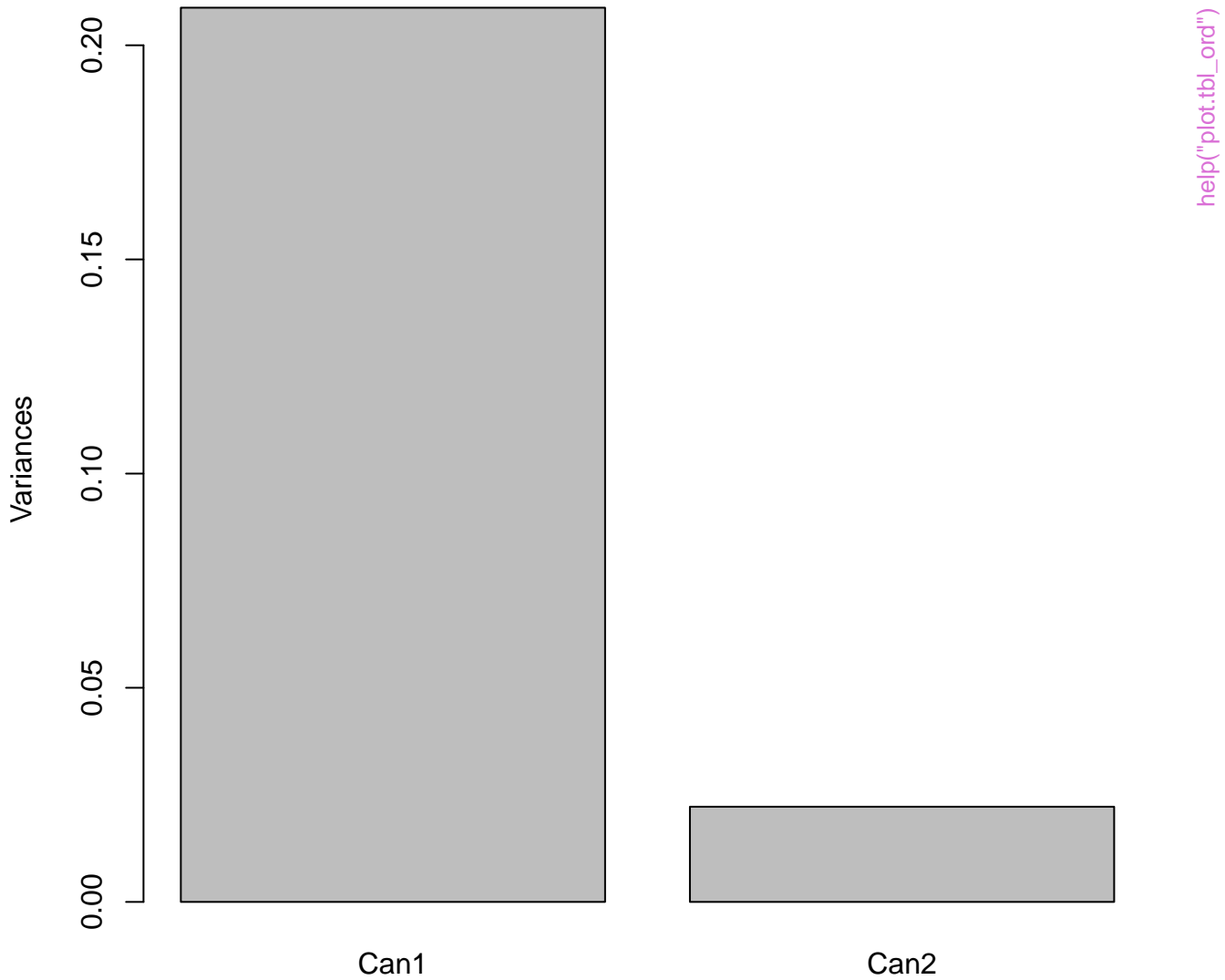


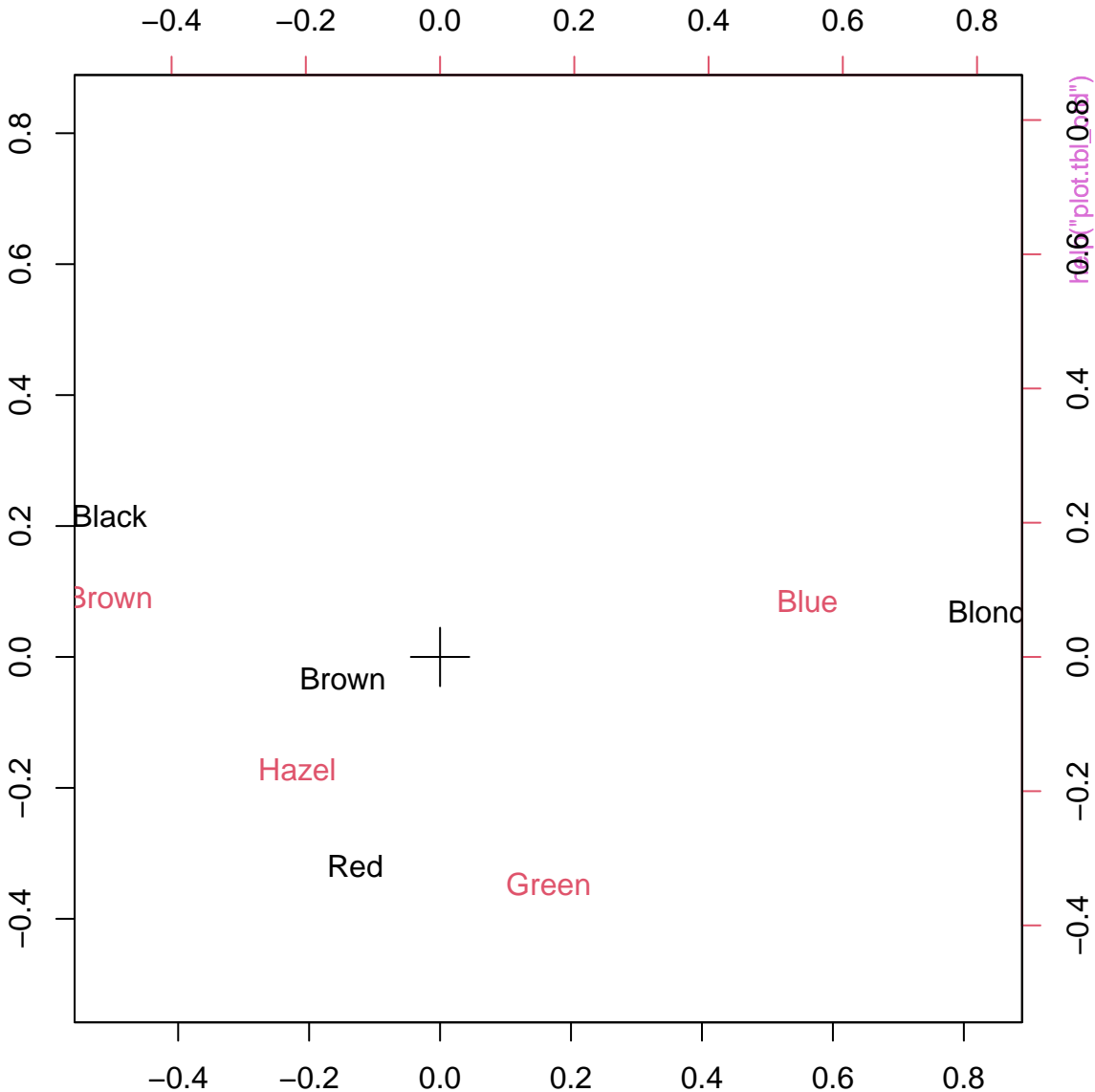


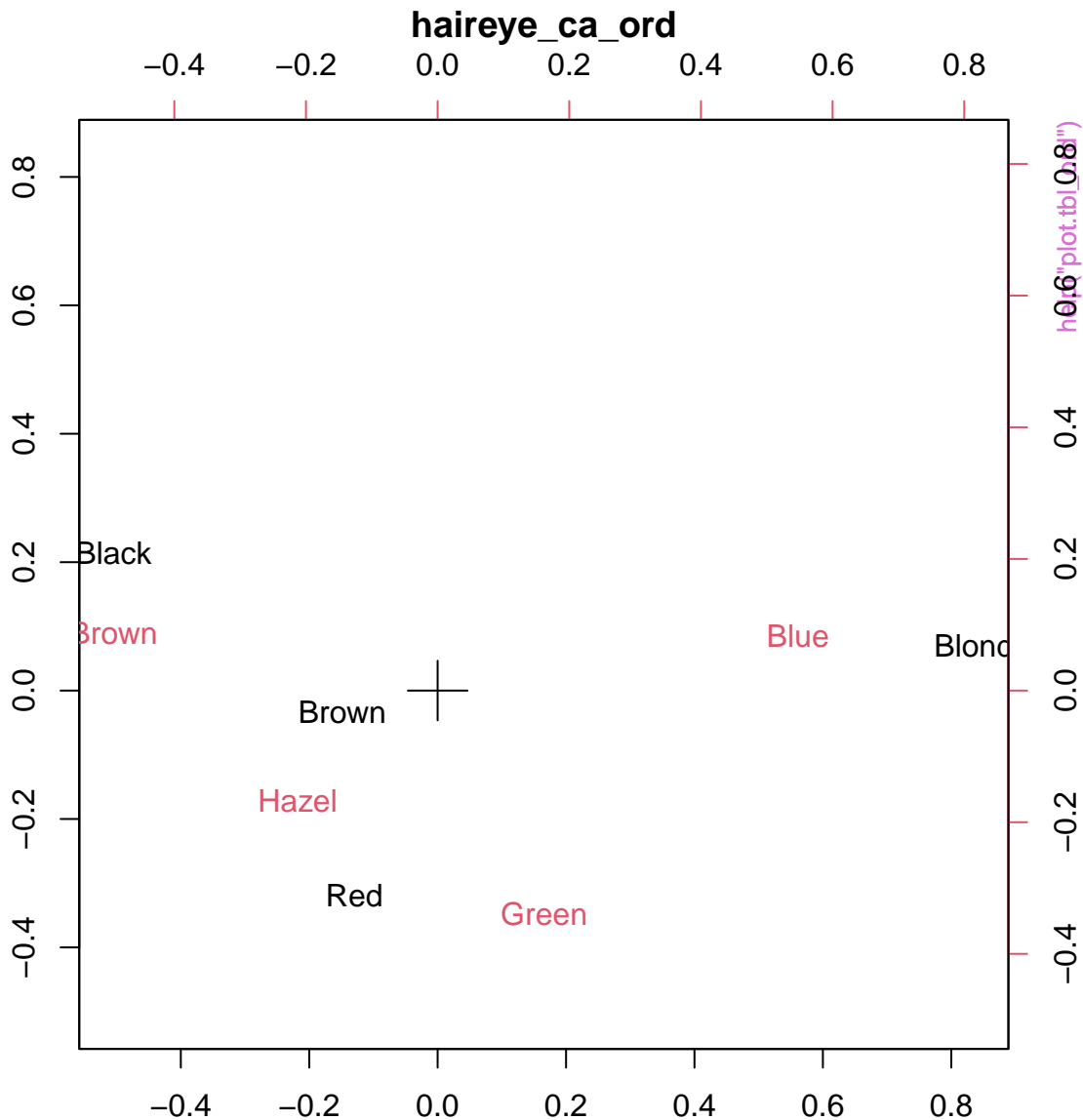


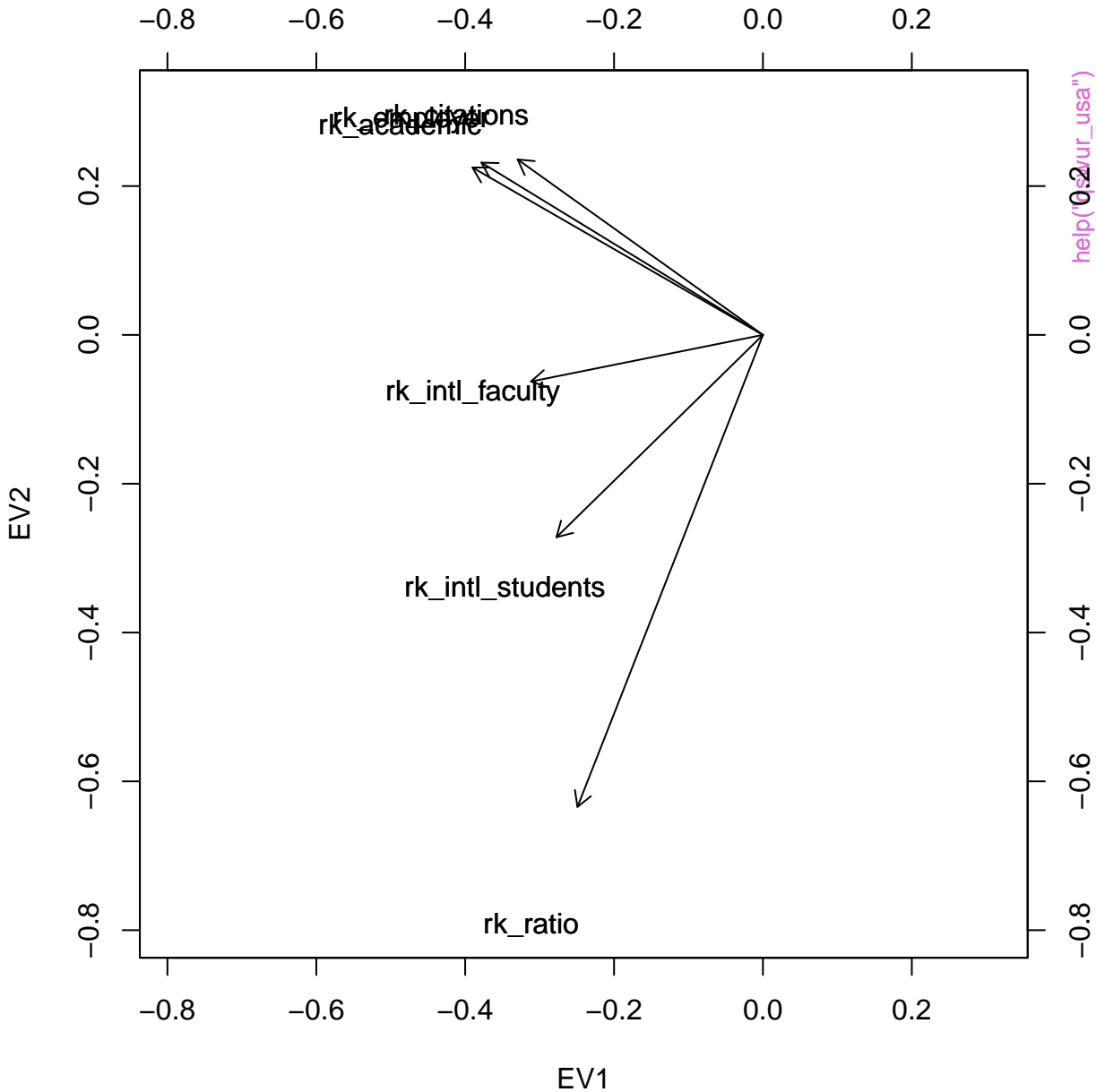


# haireye\_ca\_ord



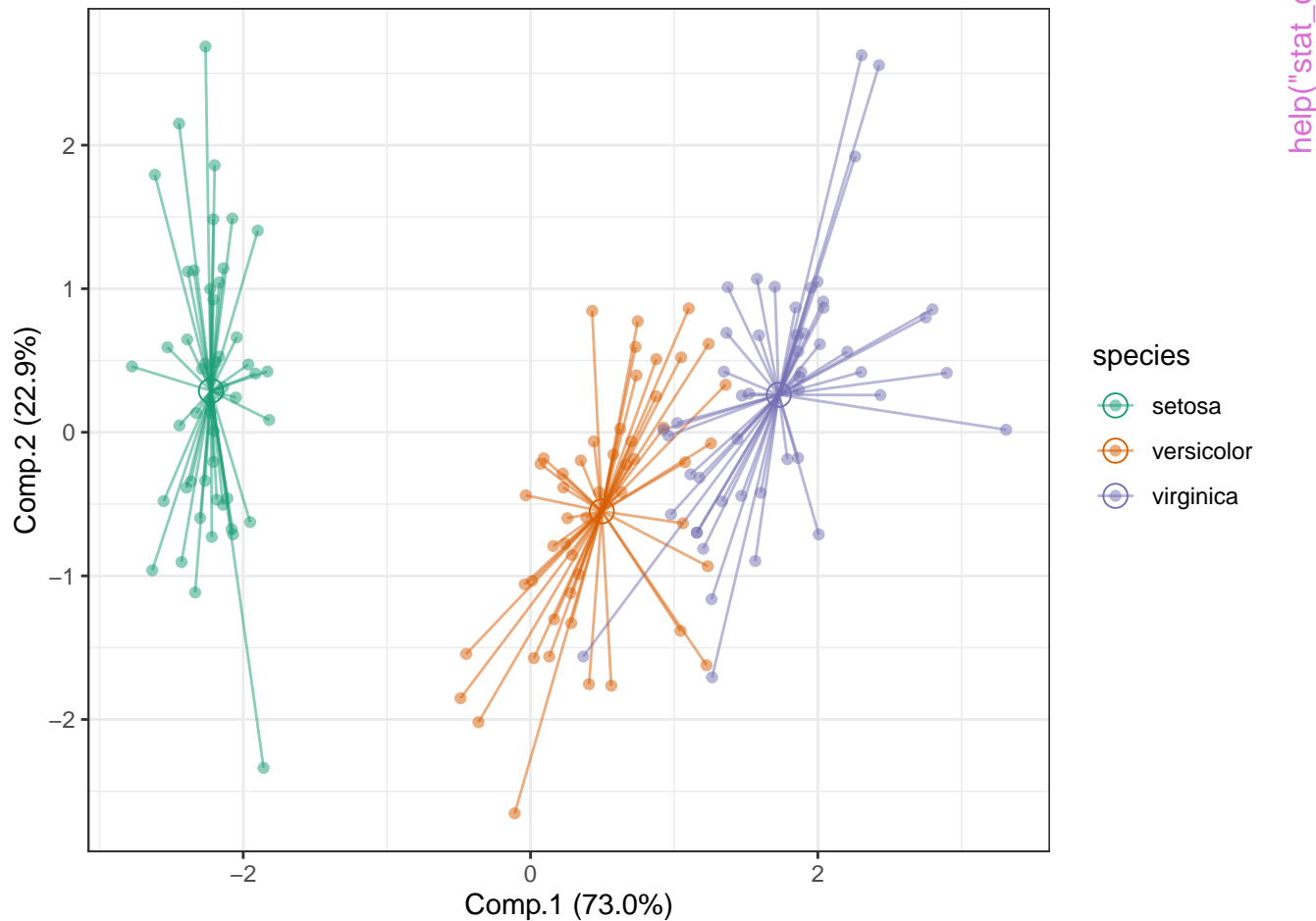




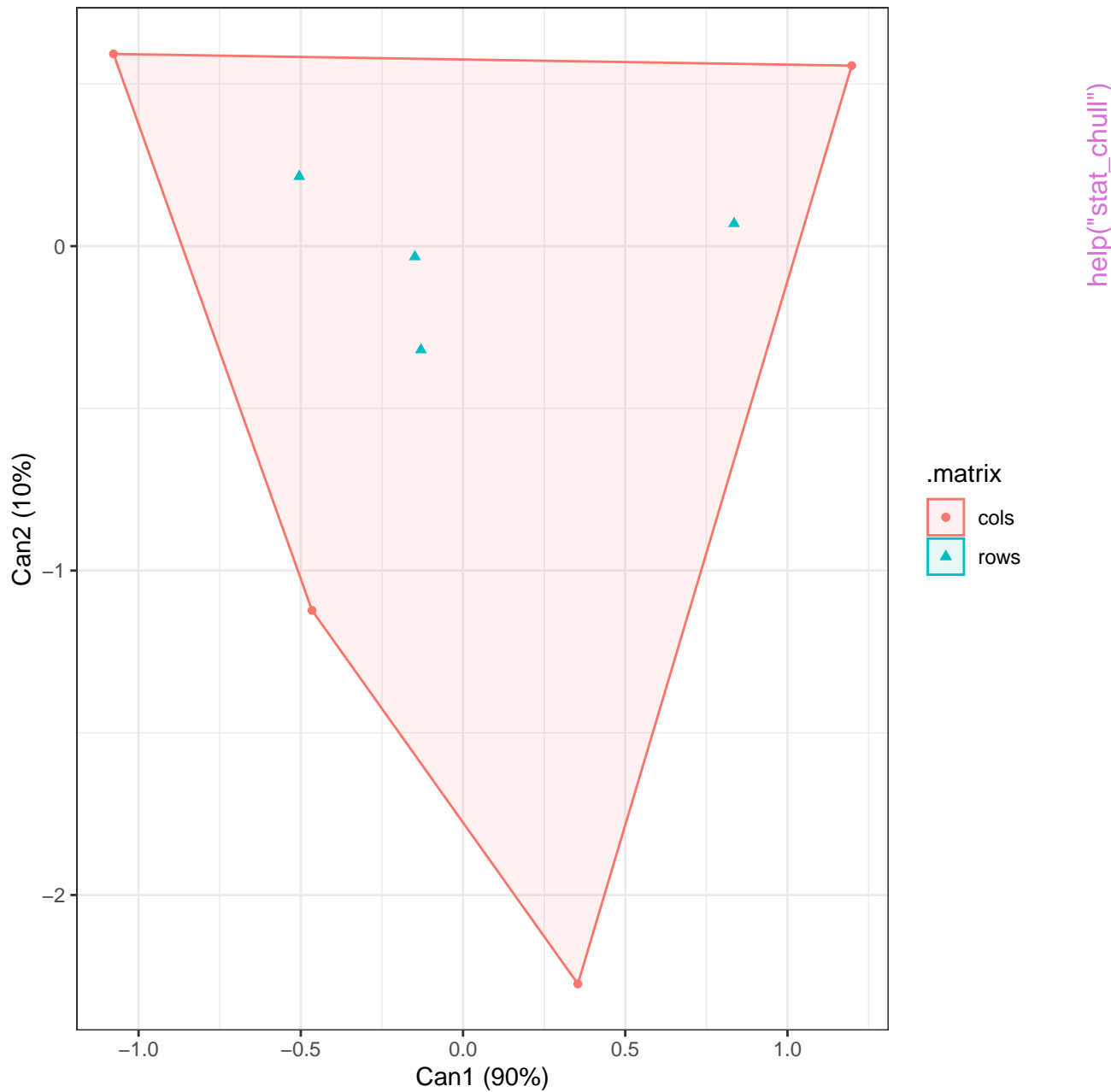


# Row-principal PCA biplot of Anderson iris measurements

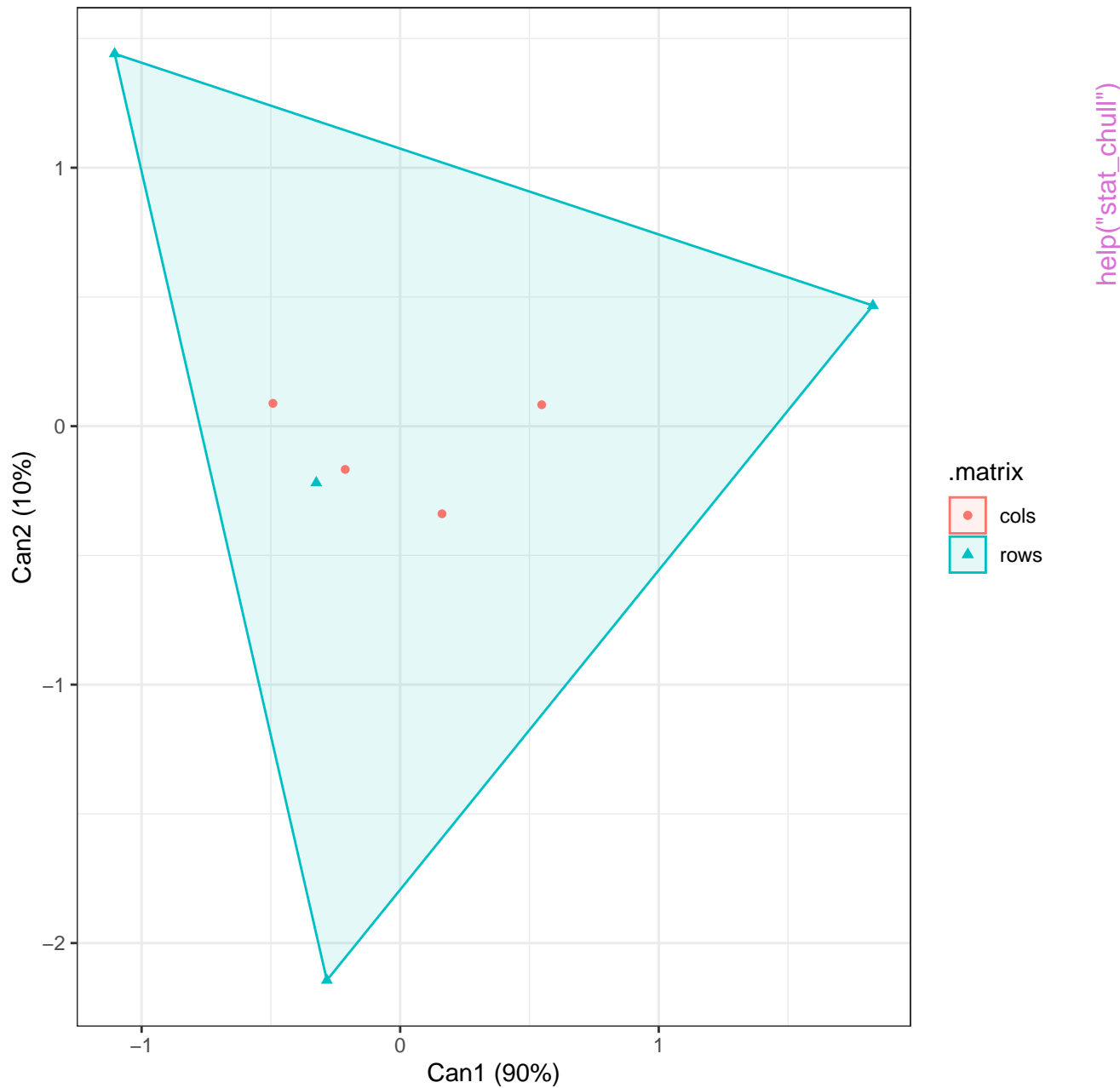
Segments connect each observation to its within-species centroid



Row-principal CA of hair & eye color



Column-principal CA of hair & eye color





# U.S. Personal Expenditure data, 1940–1960

Row-principal biplot of centered PCA

