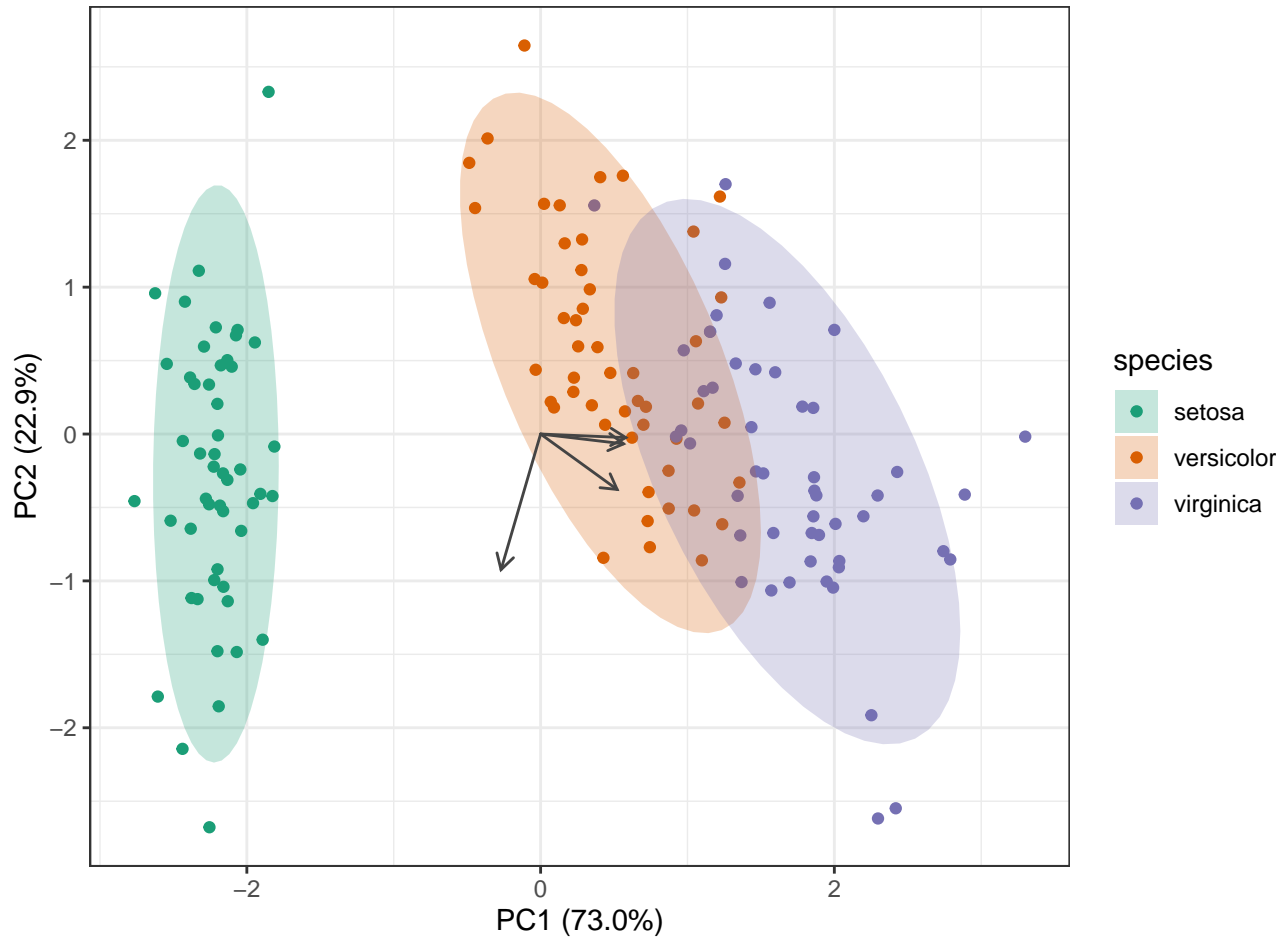


# Row-principal PCA biplot of Anderson iris measurements

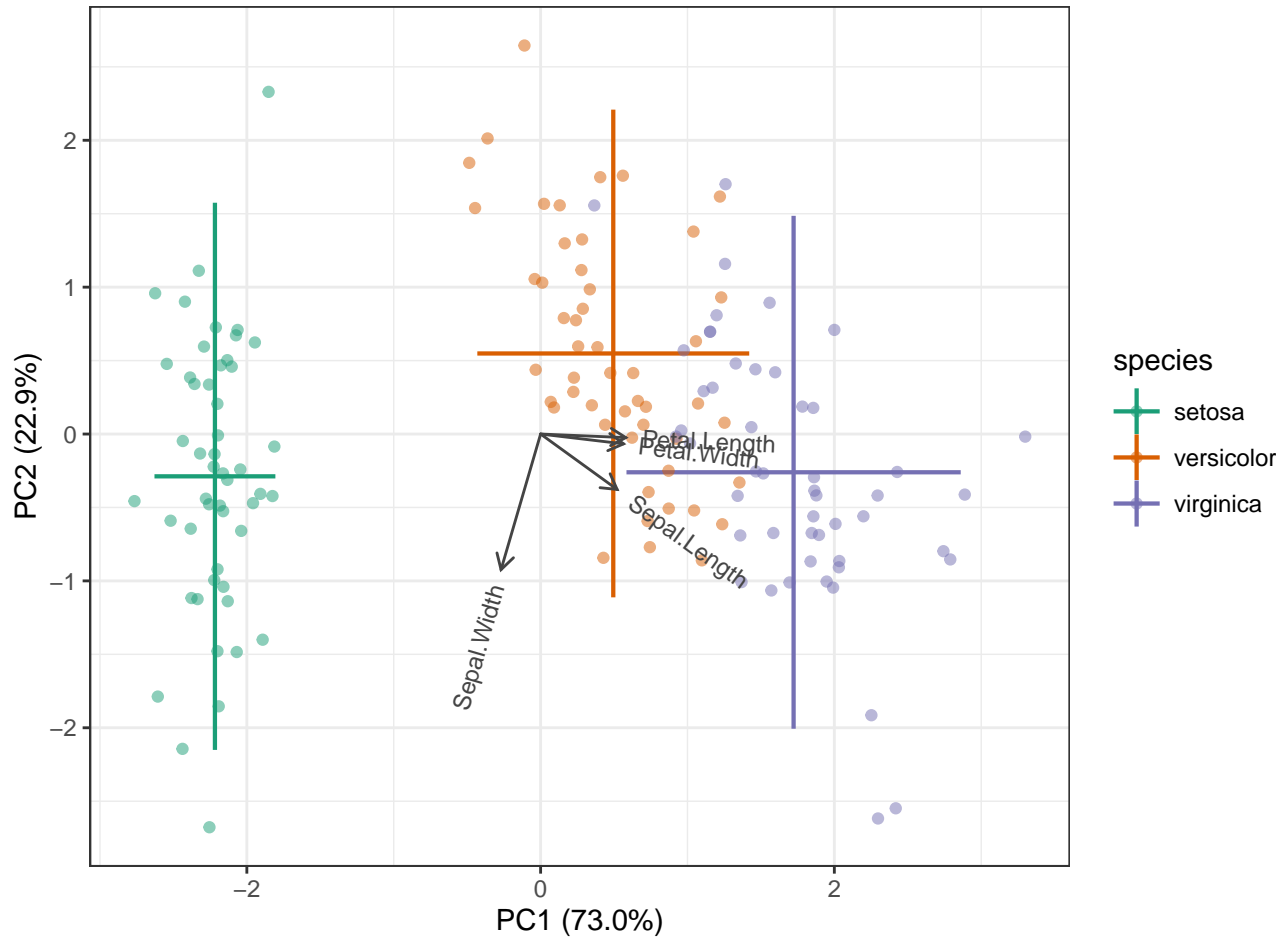
Overlaid with 95% confidence disks



help("biplot-stats")

# Row-principal PCA biplot of Anderson iris data

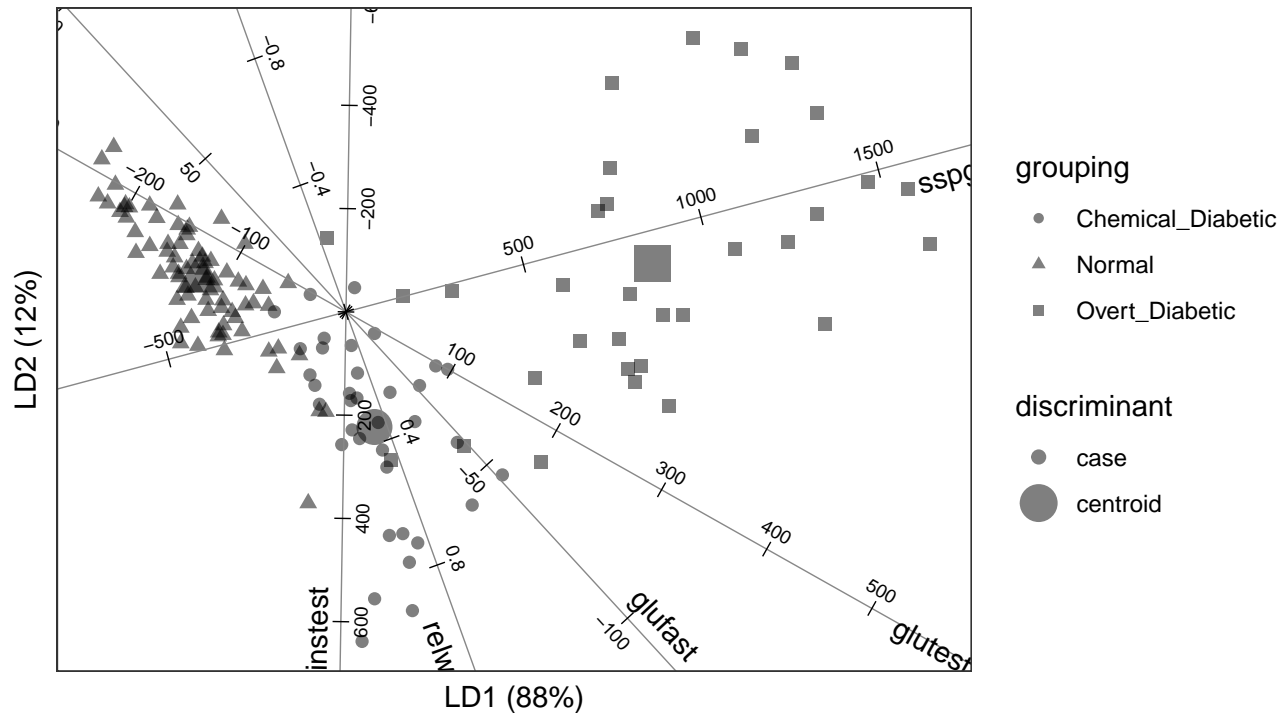
Ranges 2 sample standard deviations from centroids



help("draw-key")

# LDA of Reaven & Miller diabetes groups

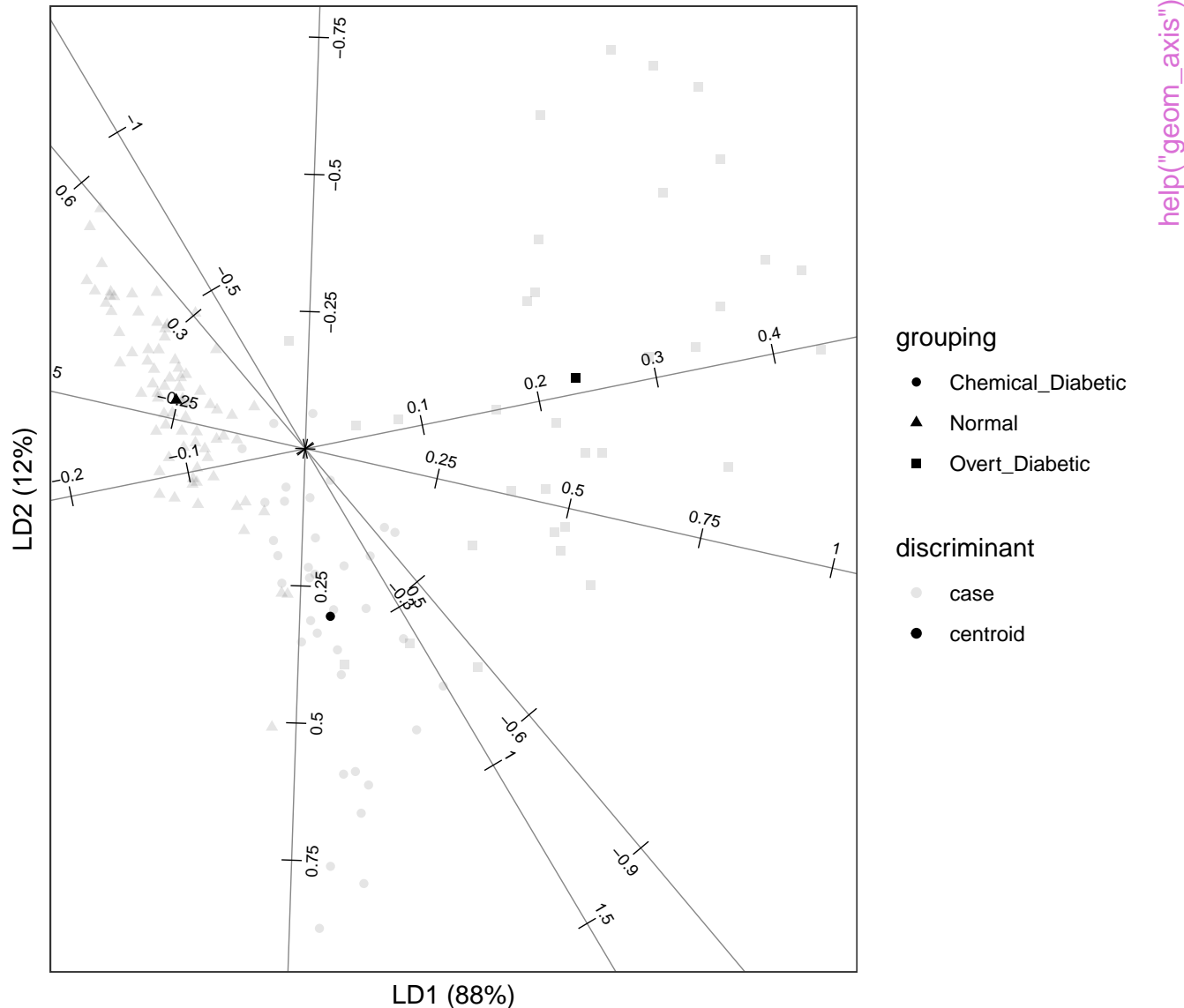
Row-standard biplot of standardized LDA



help("geom\_axis")

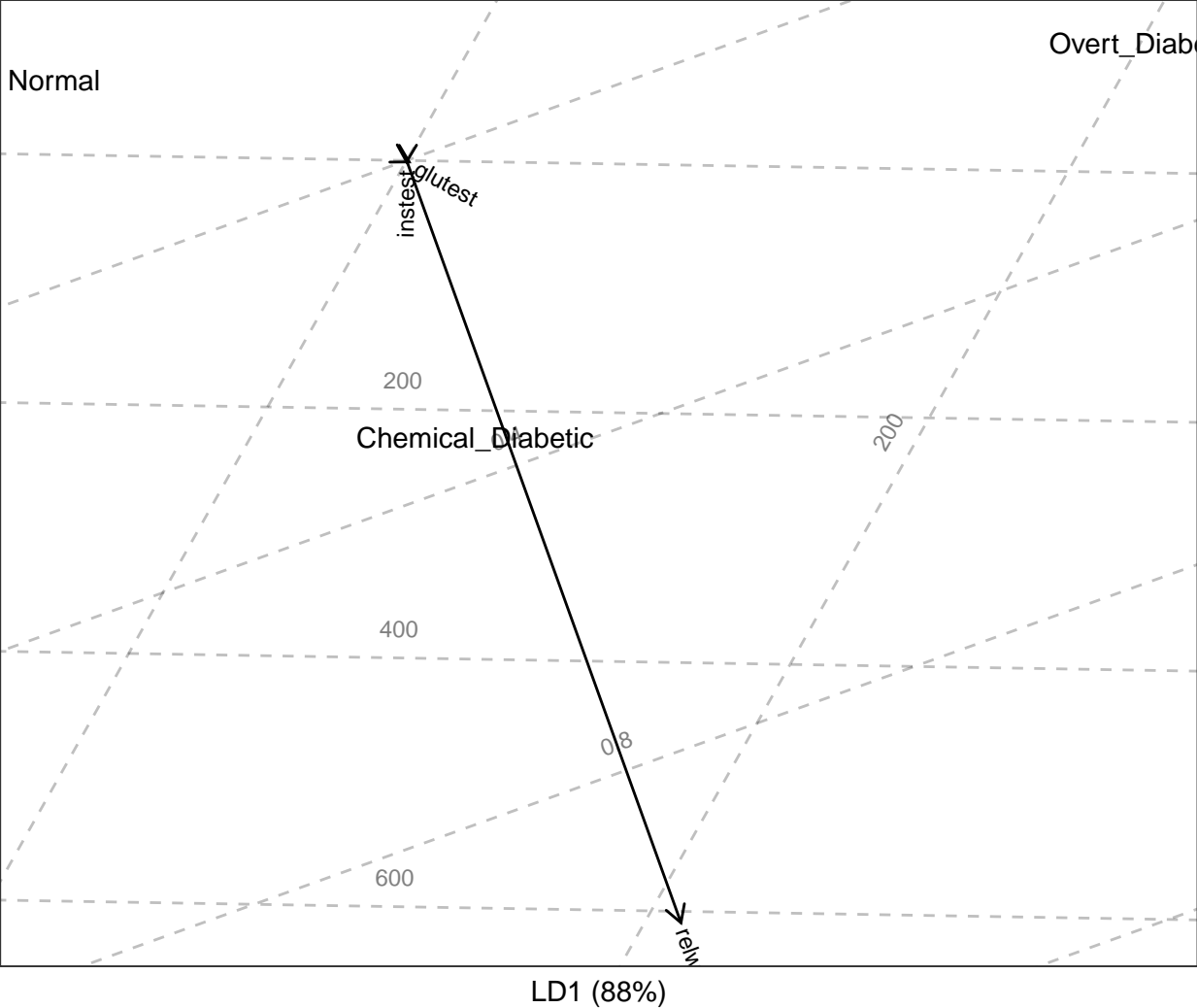
LDA of Reaven & Miller diabetes groups

Symmetric biplot of contribution LDA



# LDA of Reaven & Miller diabetes groups

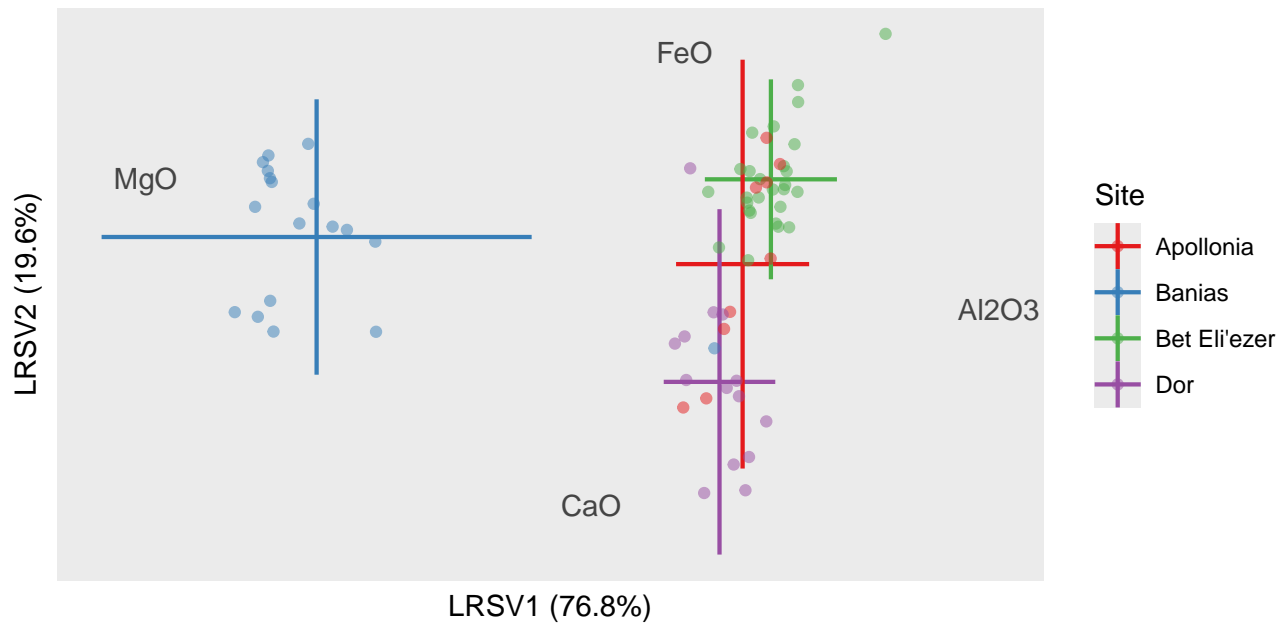
Row-standard biplot of standardized LDA

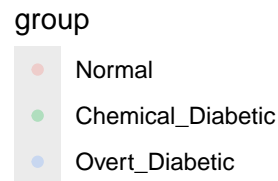
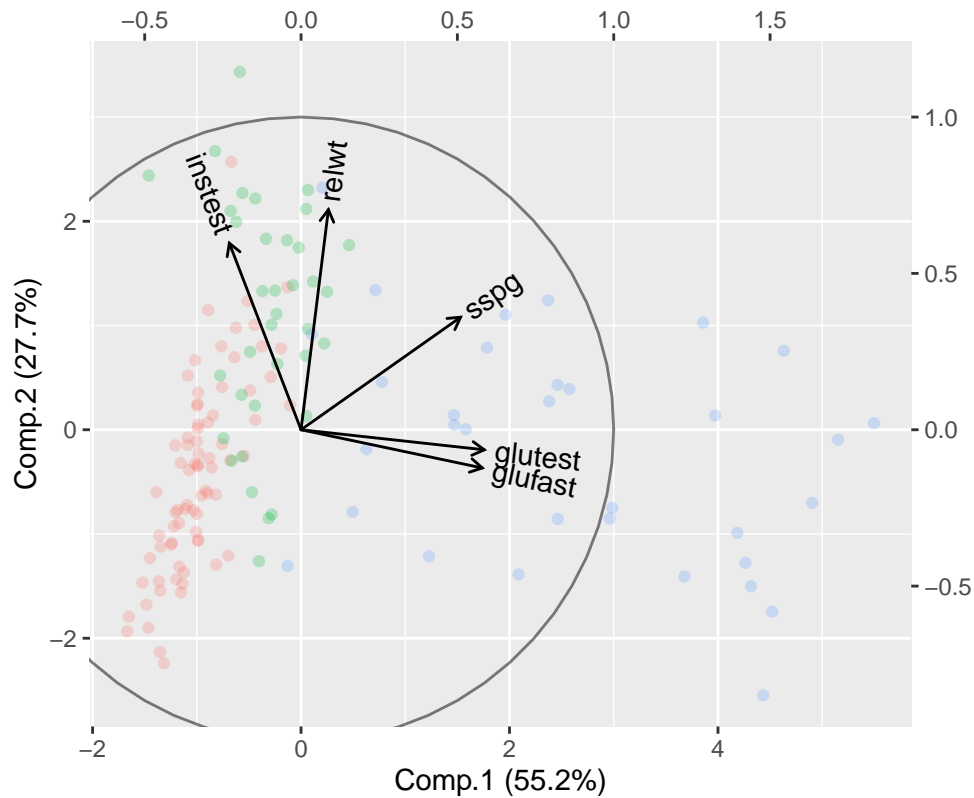


help("geom\_isoline")

# Row-principal LRA biplot of Freestone glass measurements

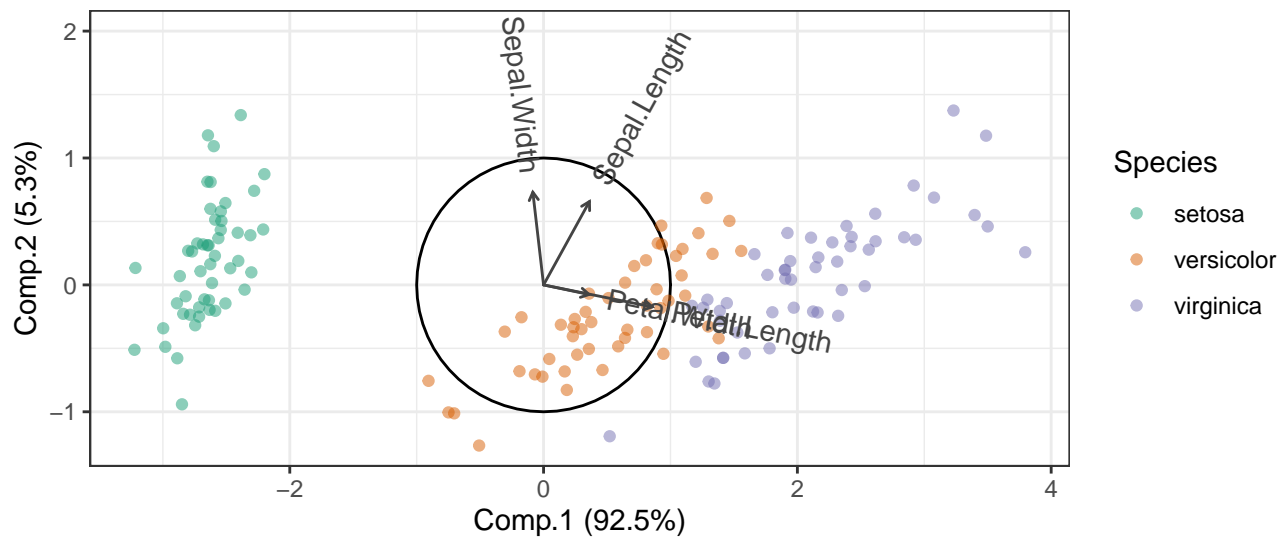
Ranges 2 sample standard deviations from centroids





help("geom\_unit\_circle")

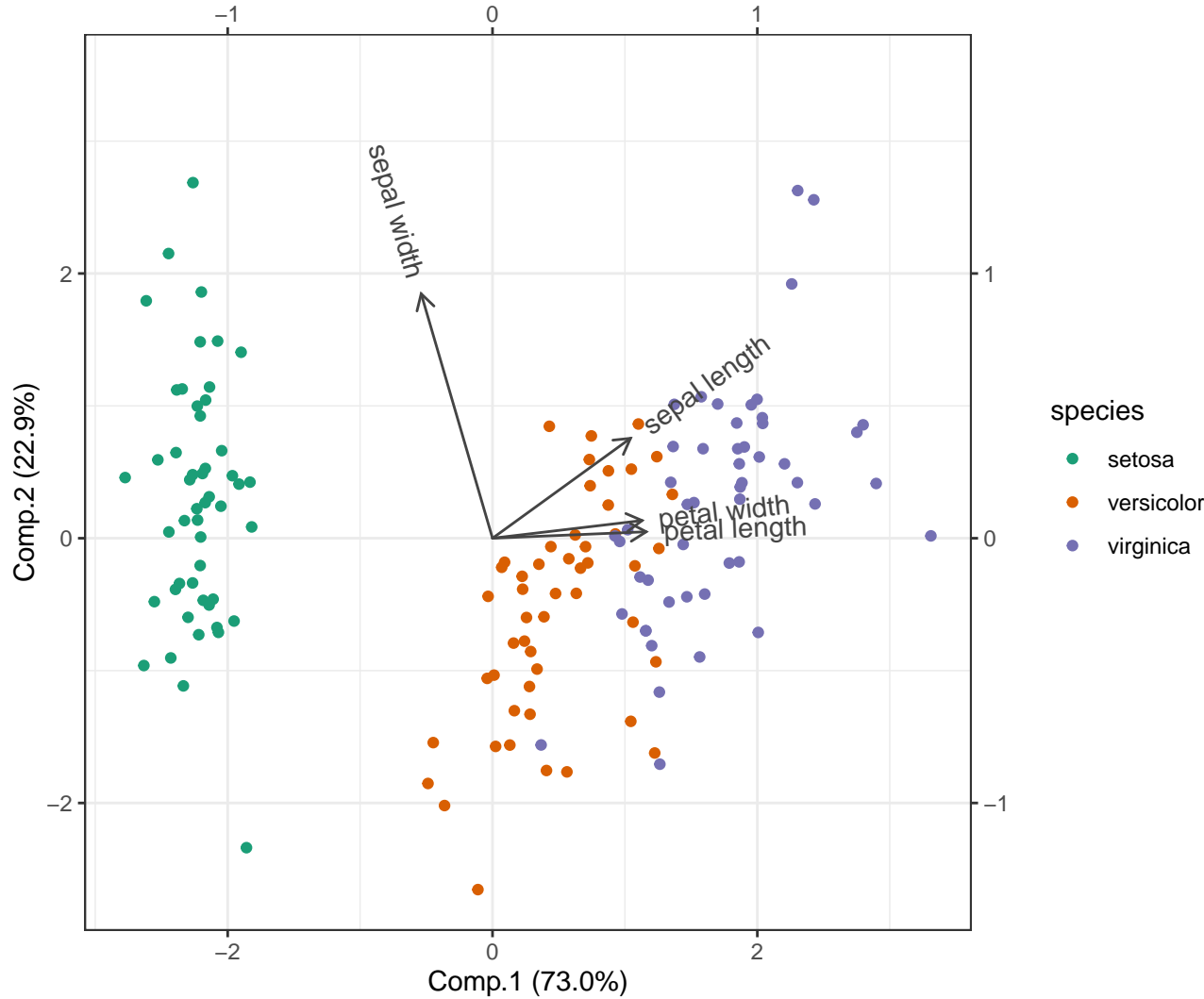
Row-principal unscaled PCA biplot of Anderson iris measurements

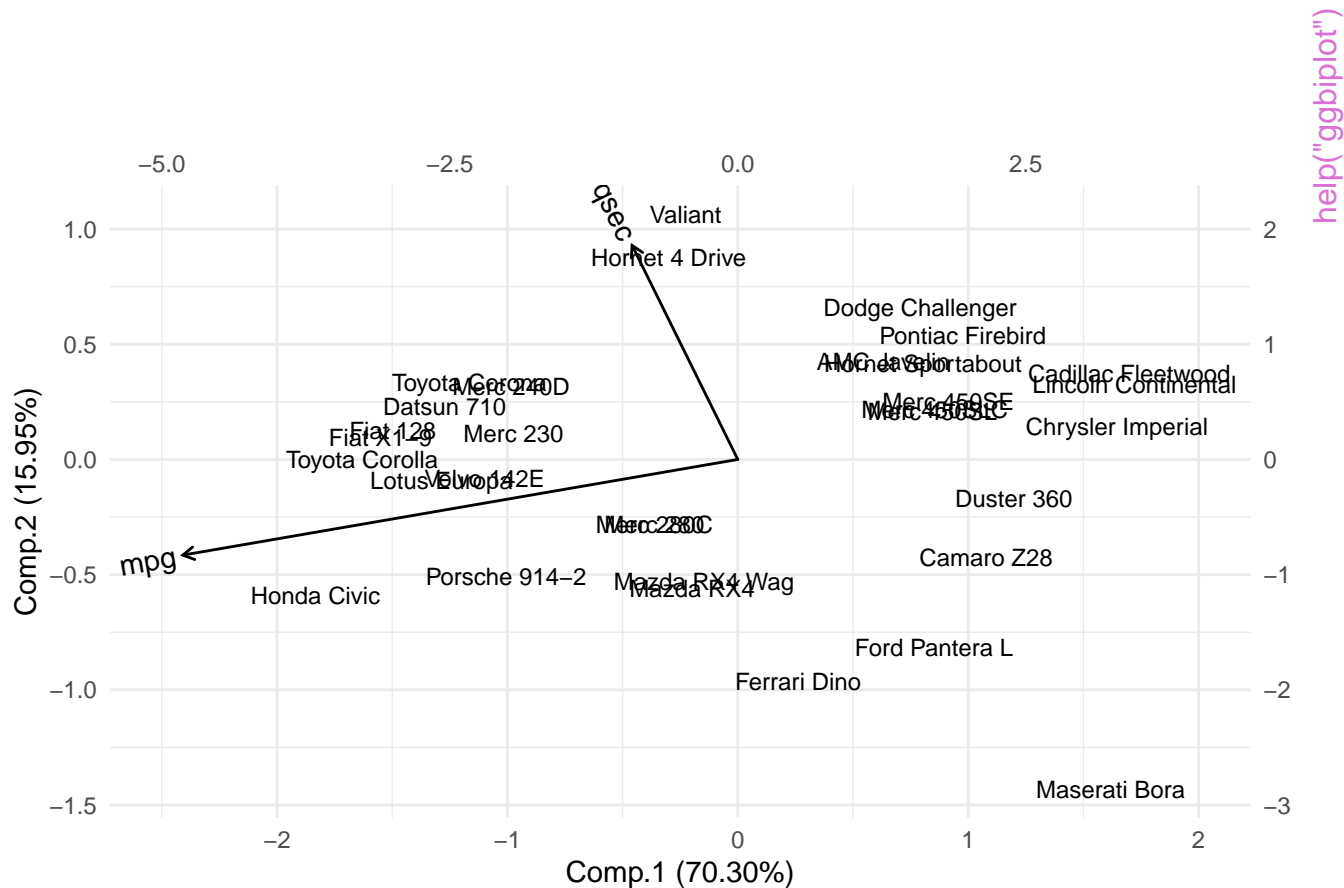


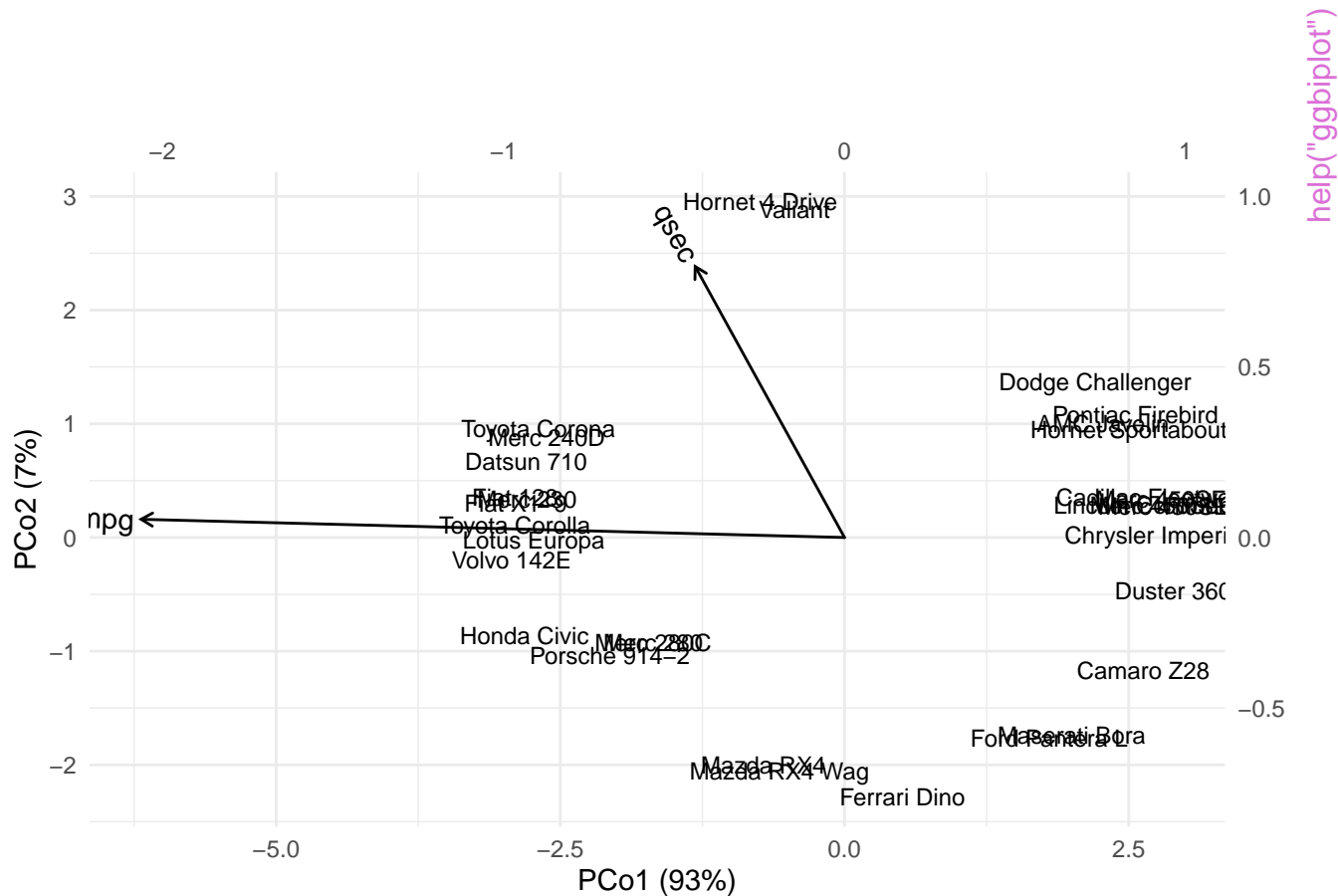


# Row-principal PCA biplot of Anderson iris measurements

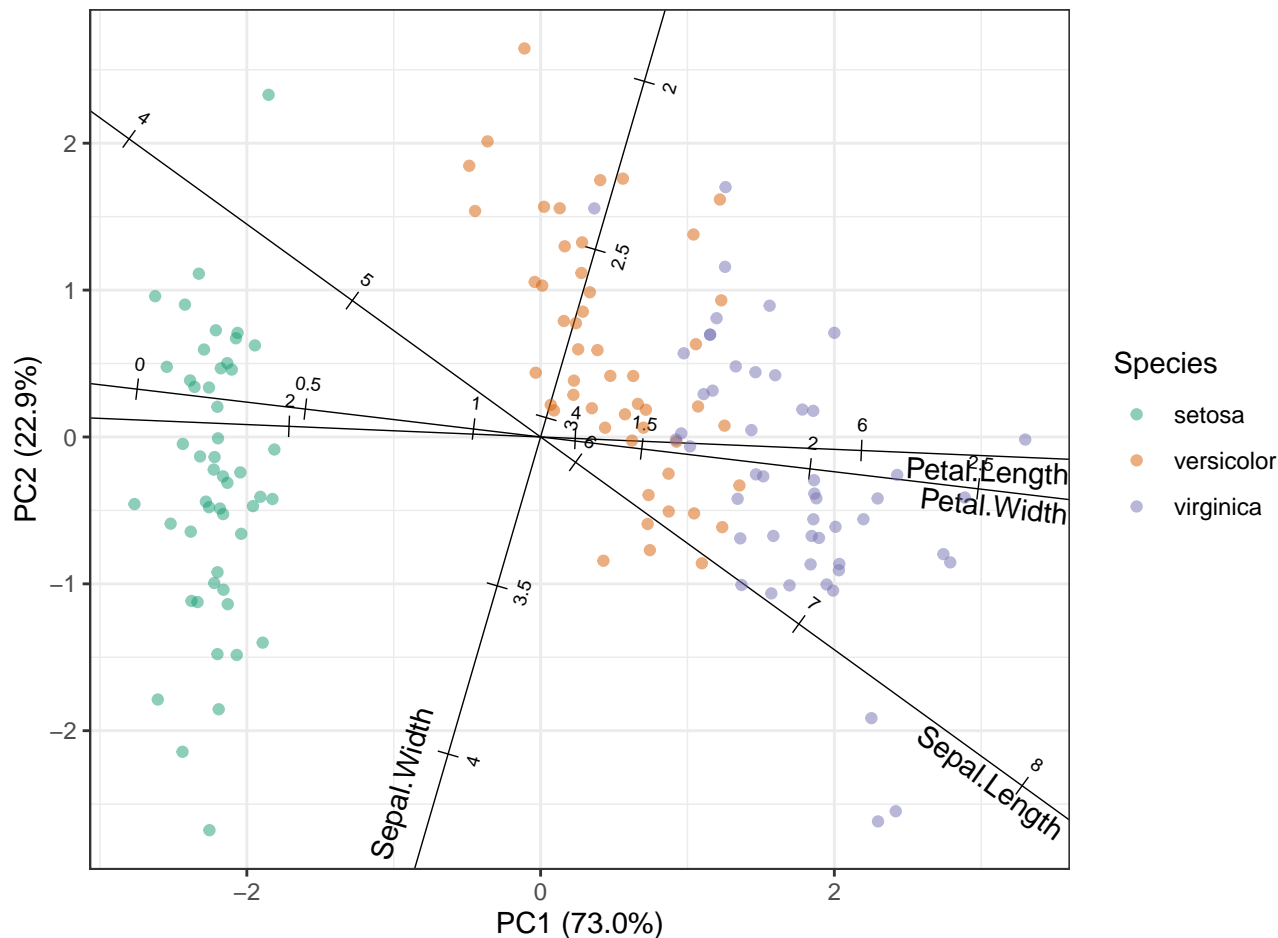
Variable loadings scaled to secondary axes



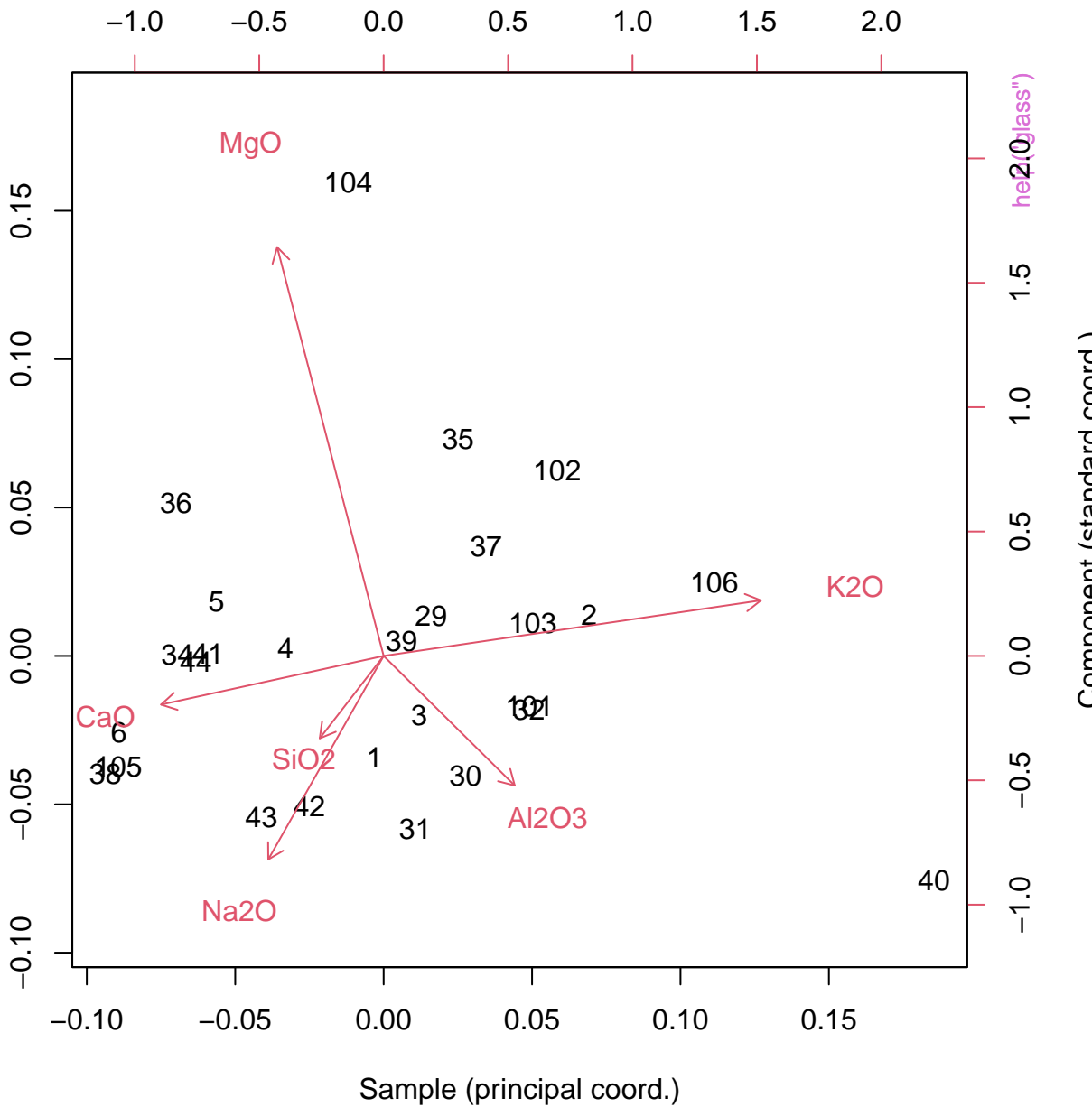




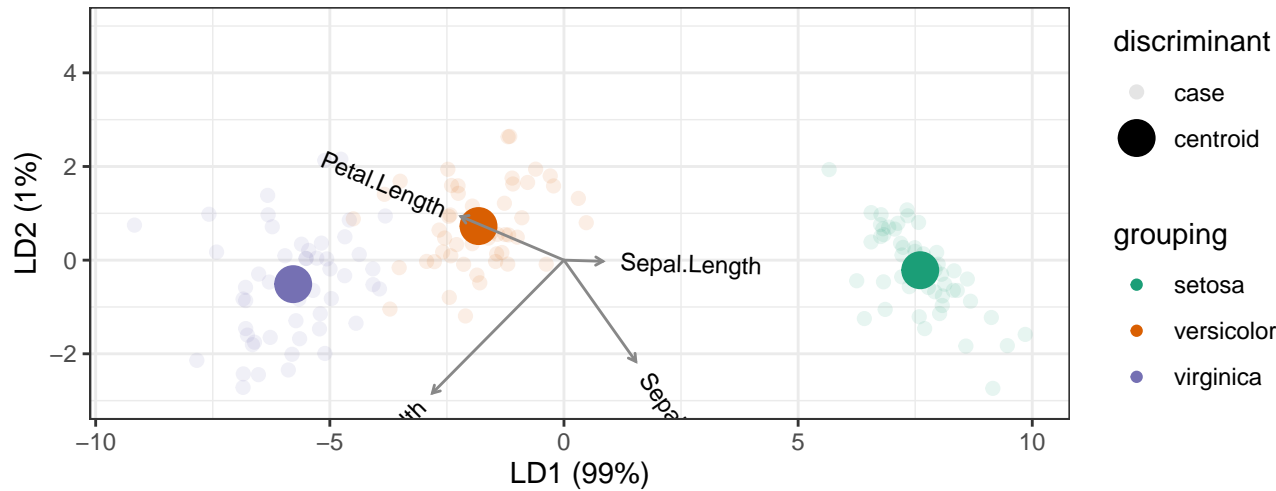
Predictive biplot of Anderson iris measurements

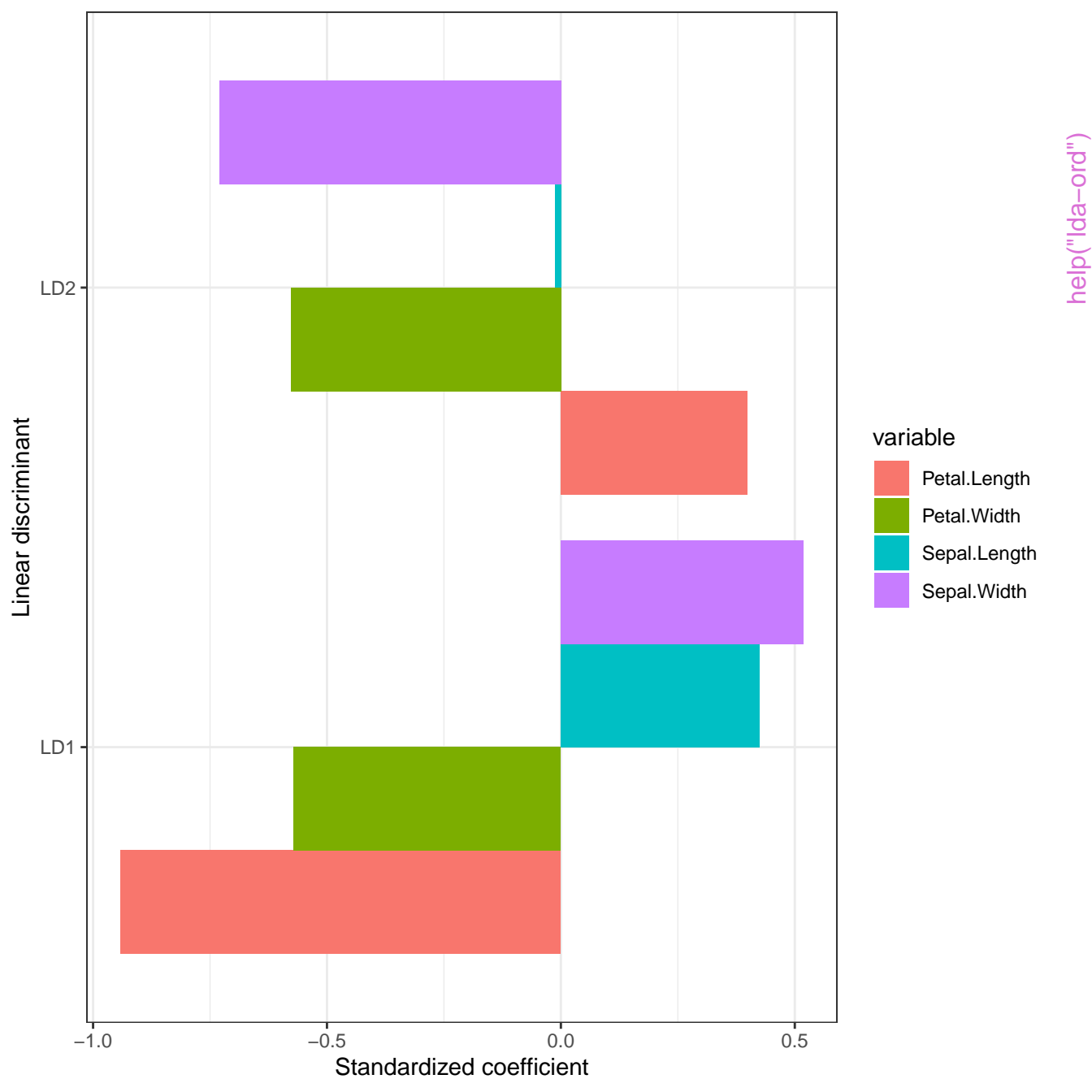


help("ggbiplot")

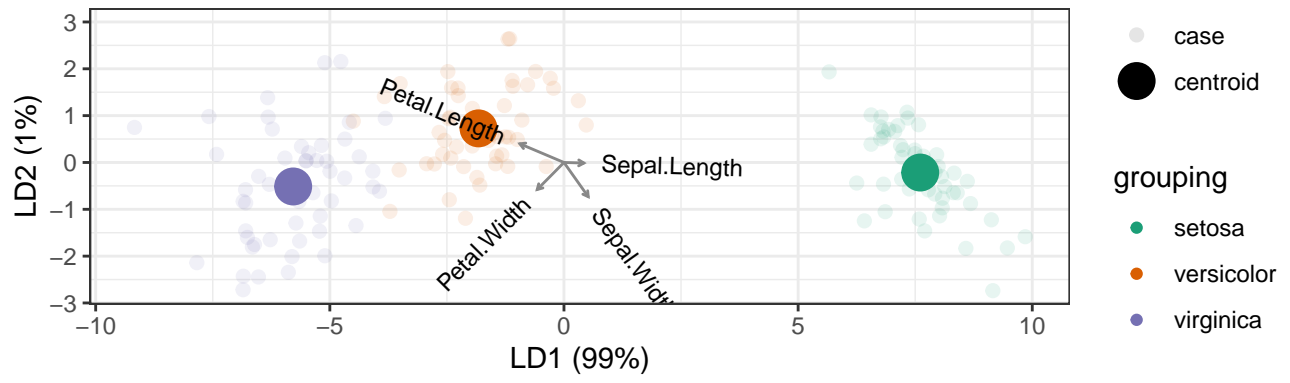


Unstandardized coefficient biplot of iris LDA



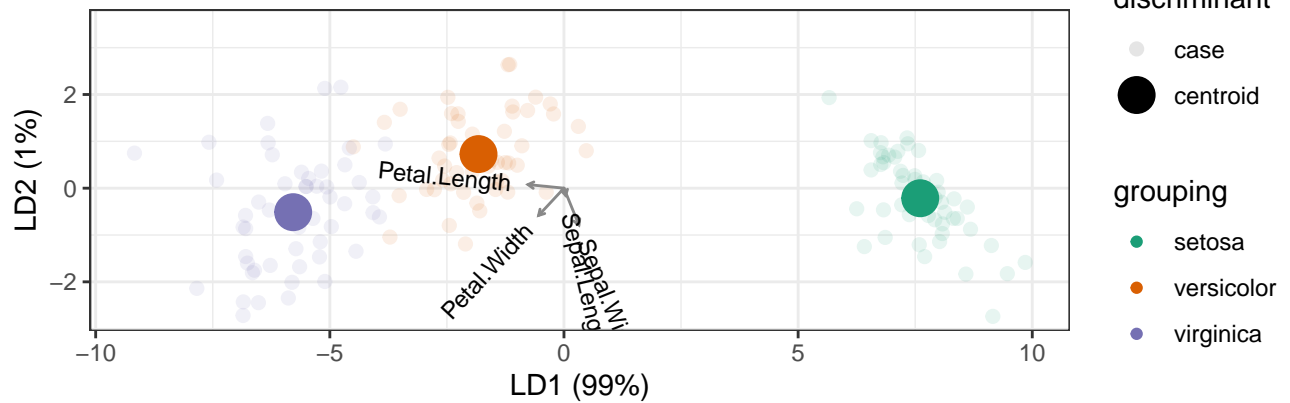


Standardized coefficient biplot of iris LDA

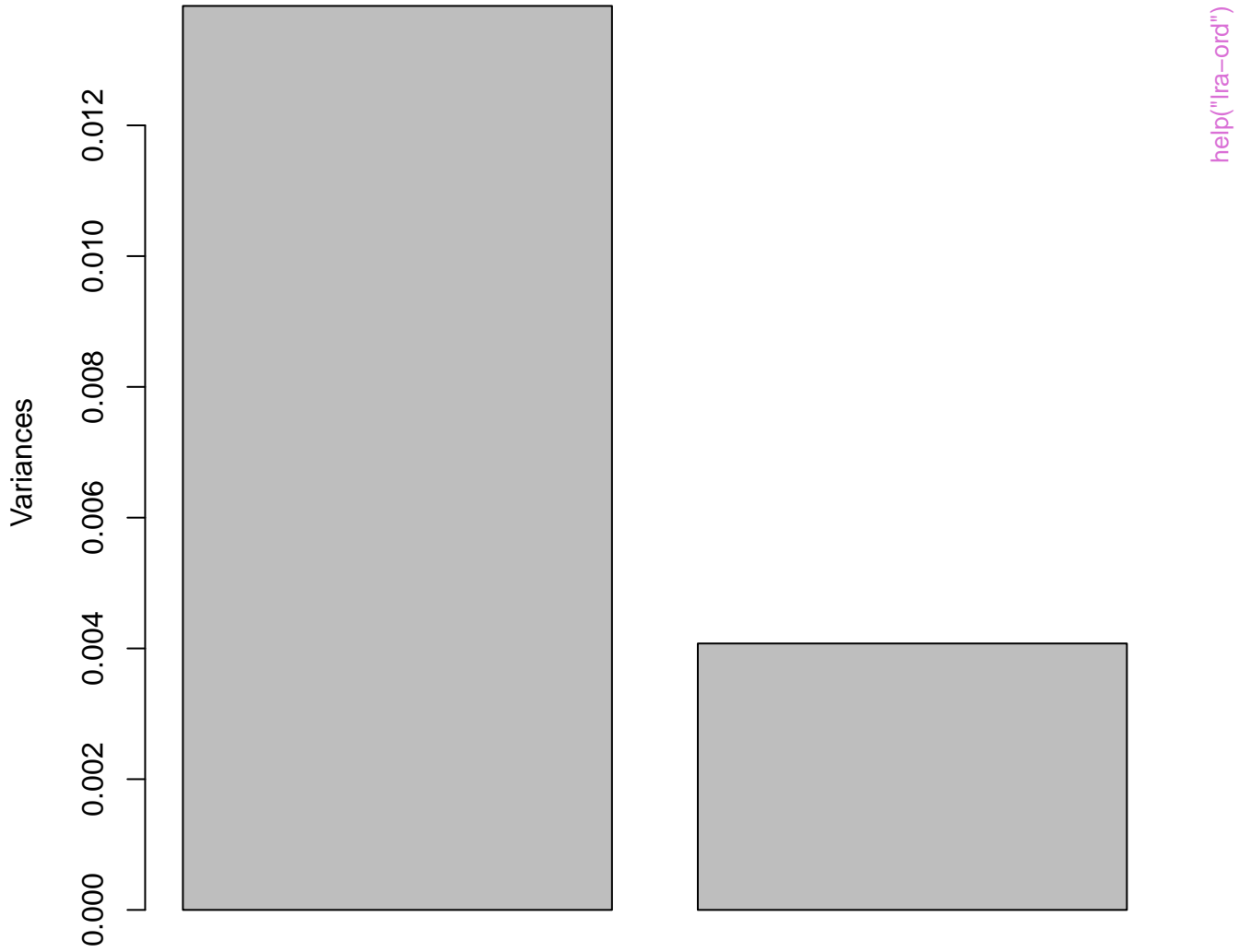


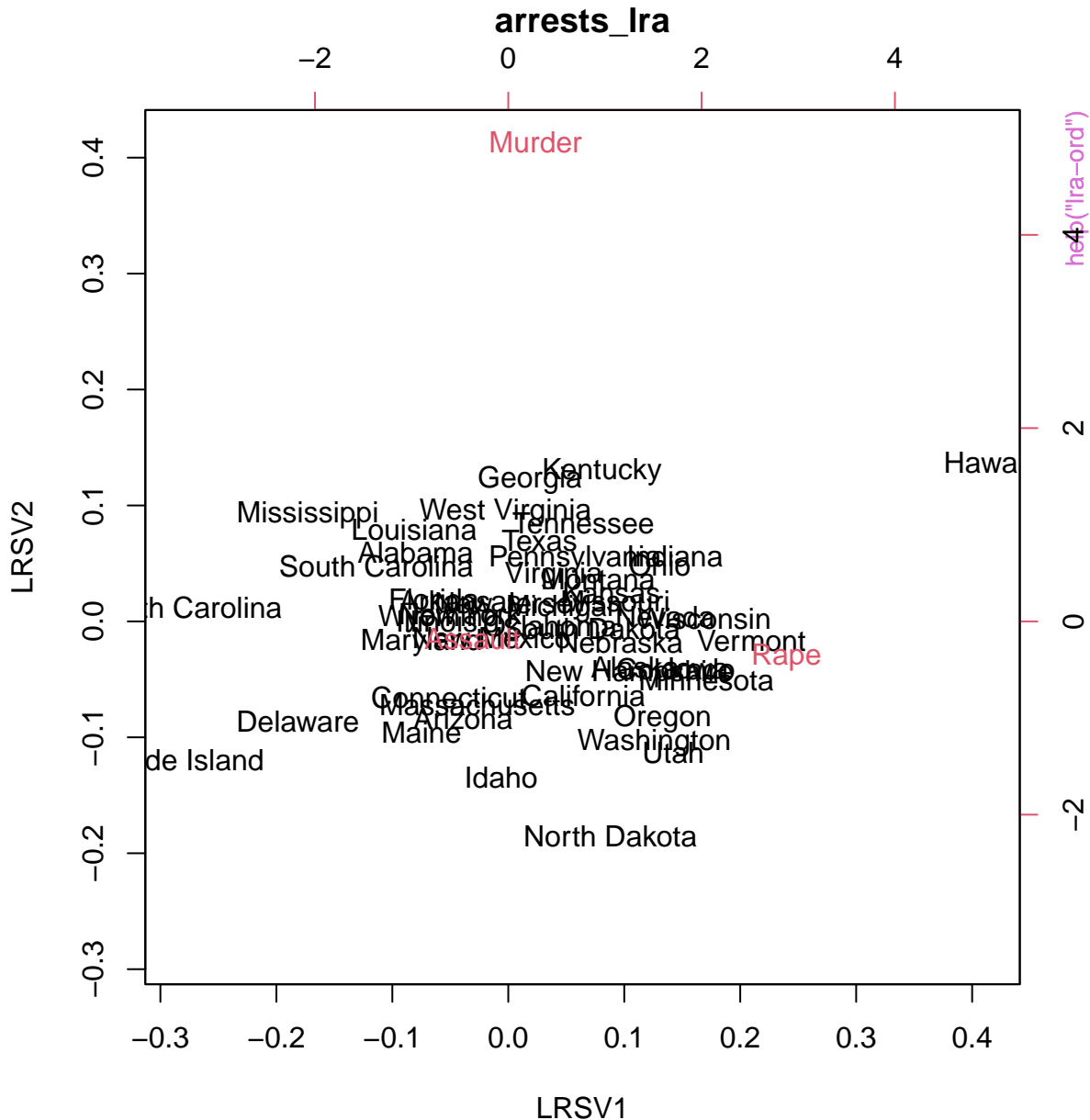


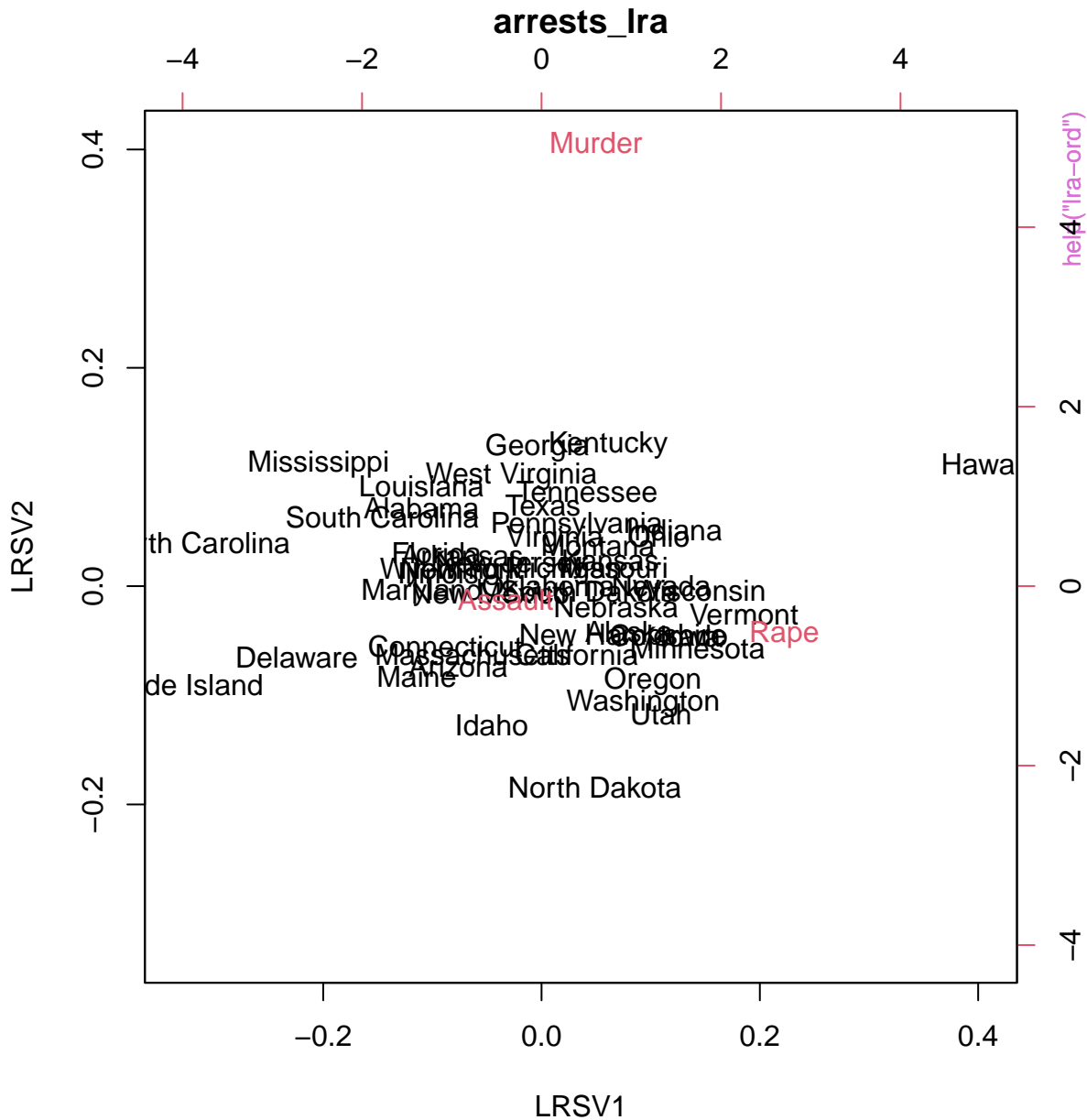
Contribution biplot of iris LDA

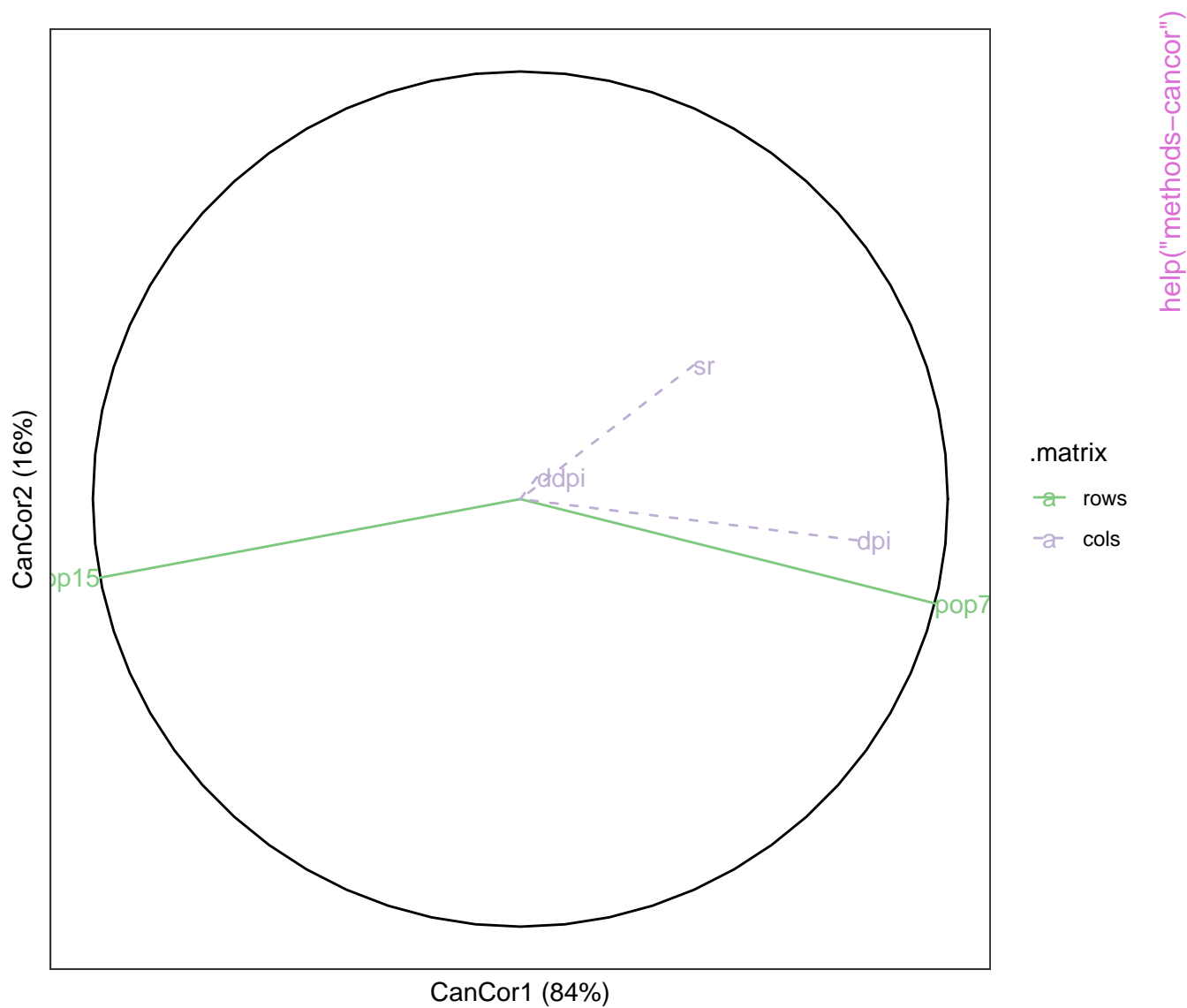


# arrests\_lra





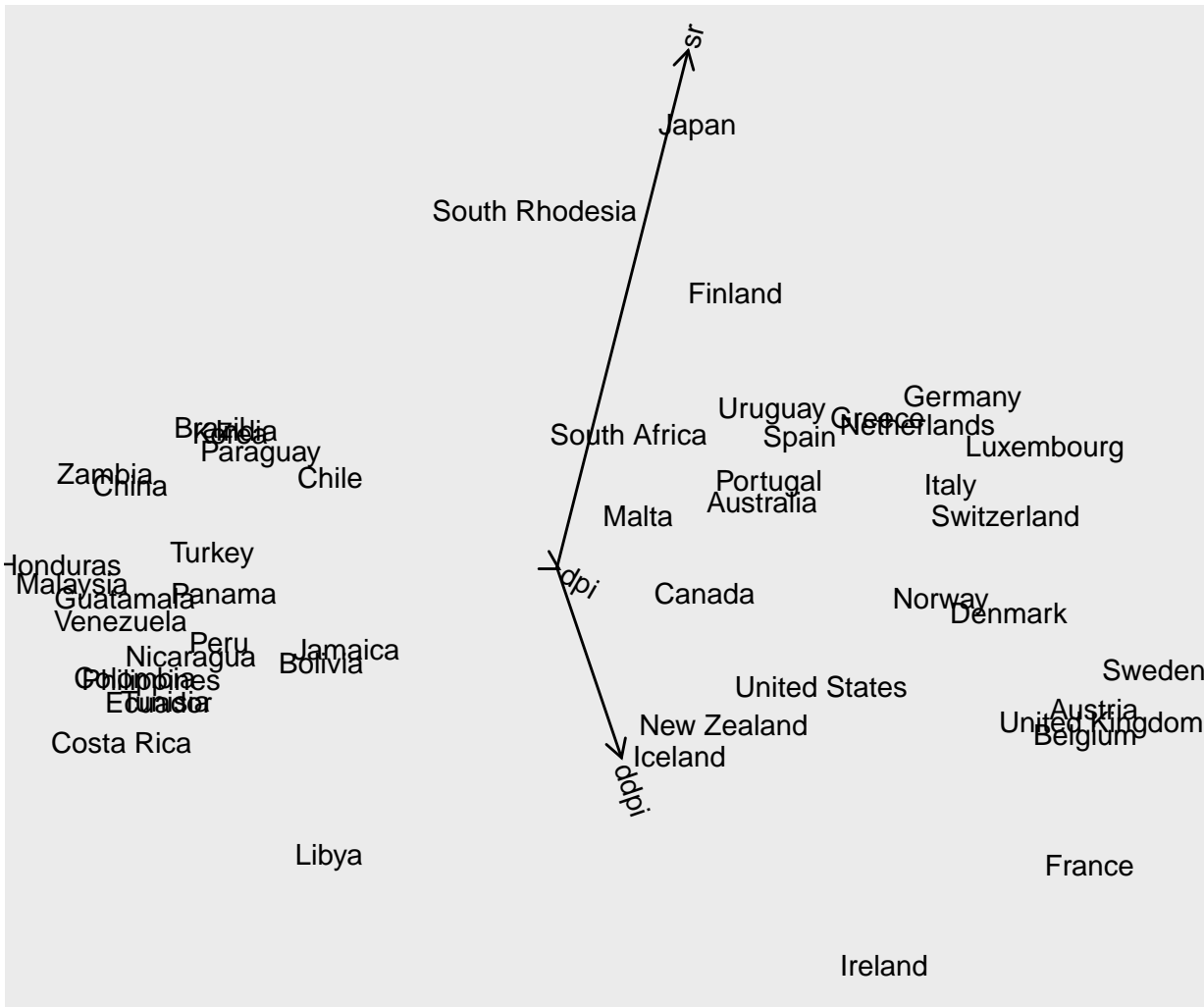




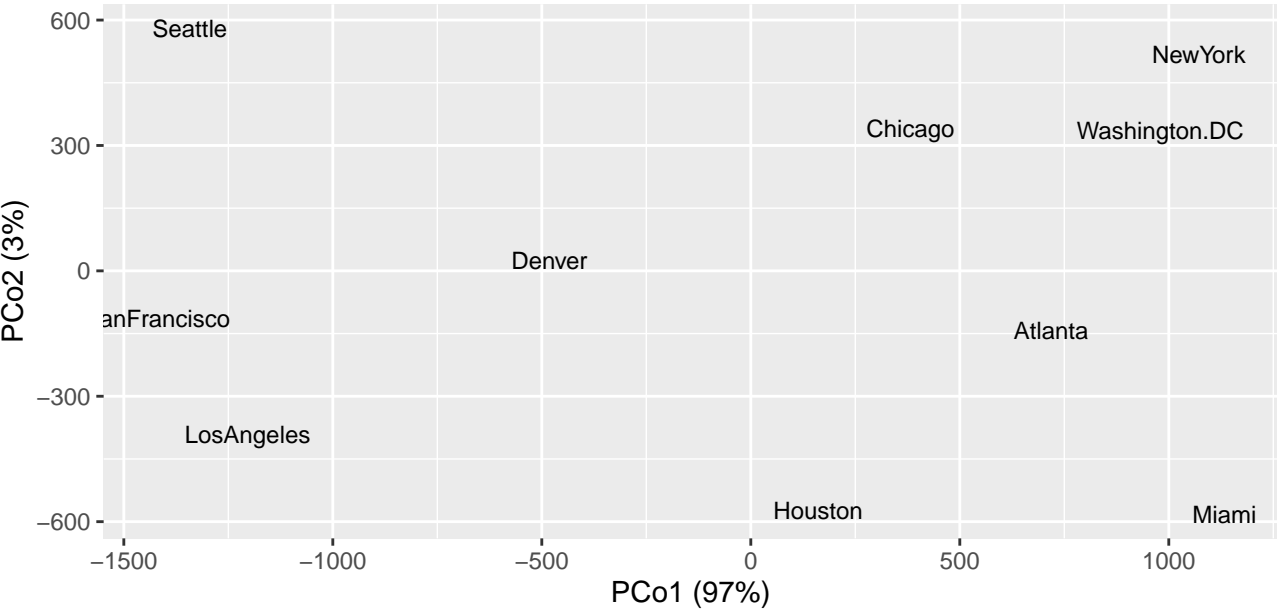
CanCor2 (16%)

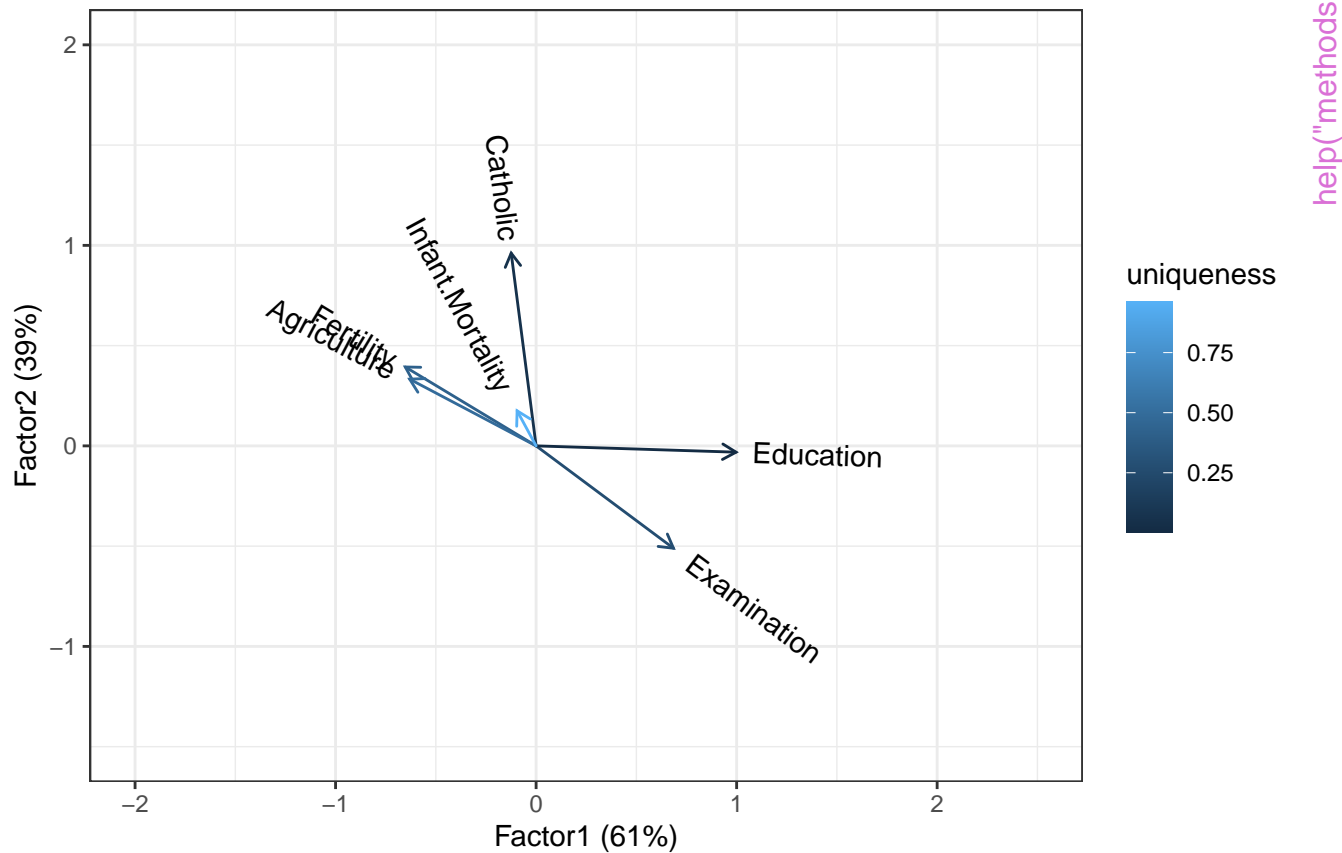
CanCor1 (84%)

help("methods-cancor")

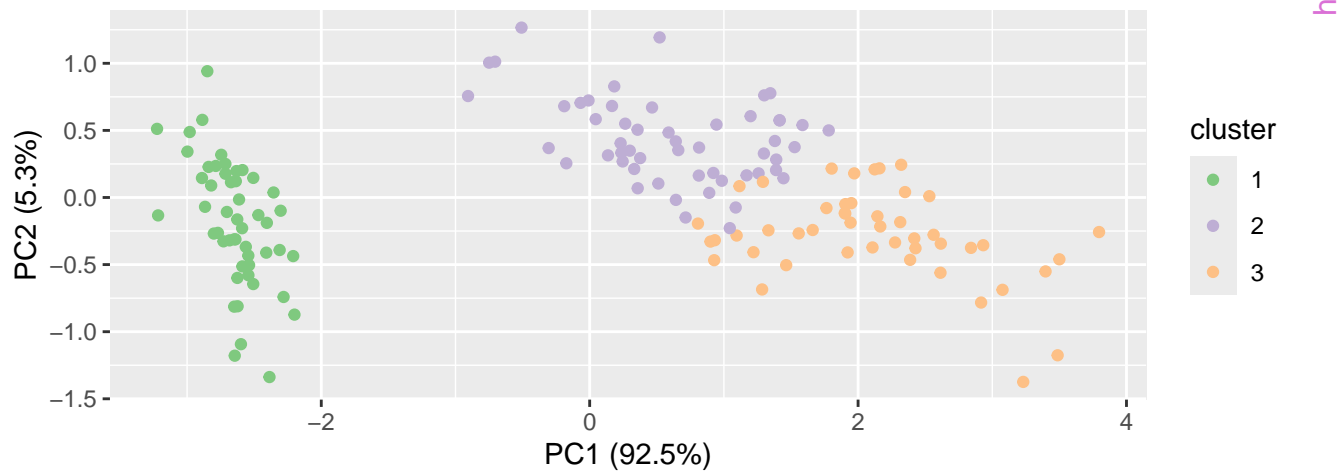


MDS biplot of distances between U.S. cities



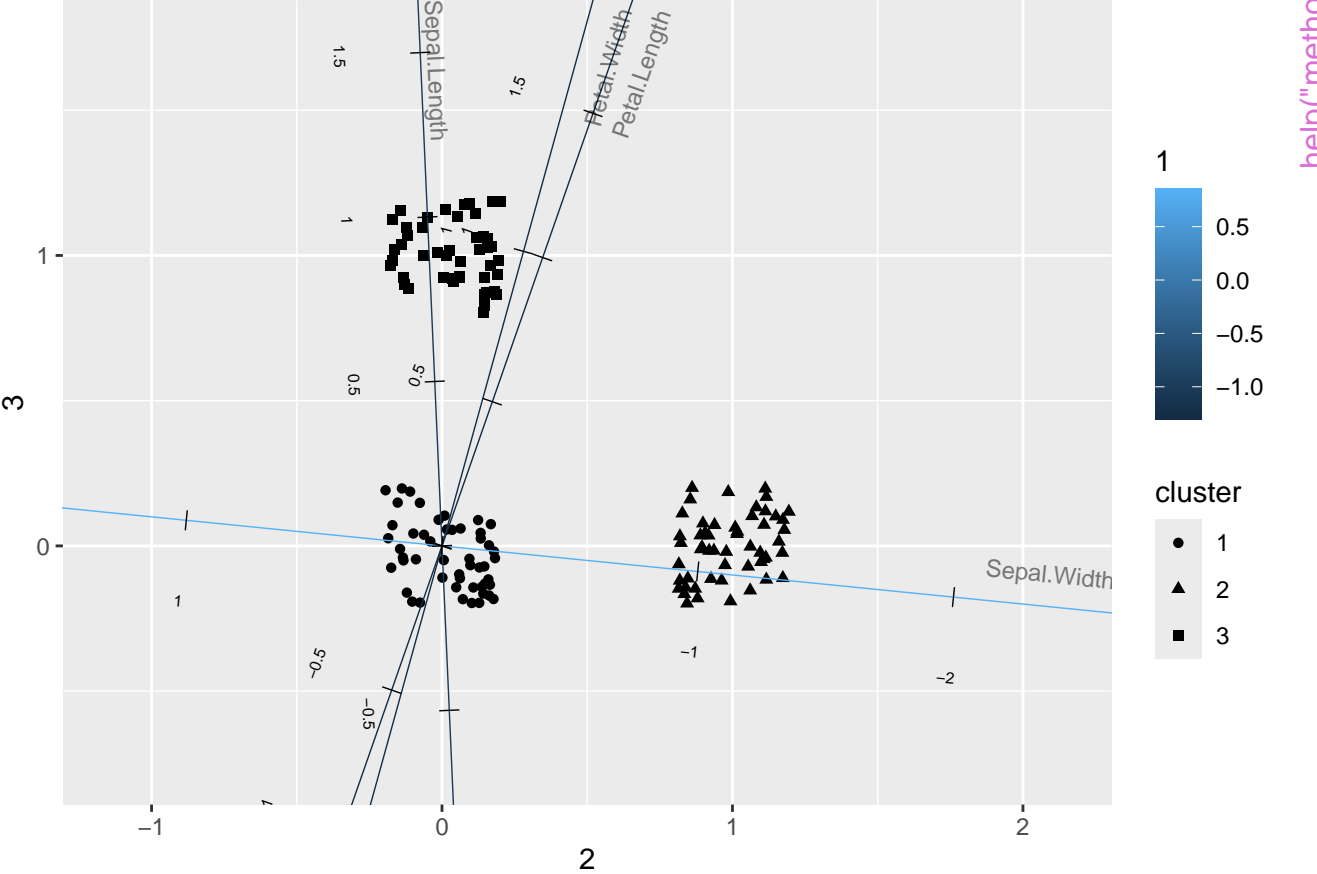






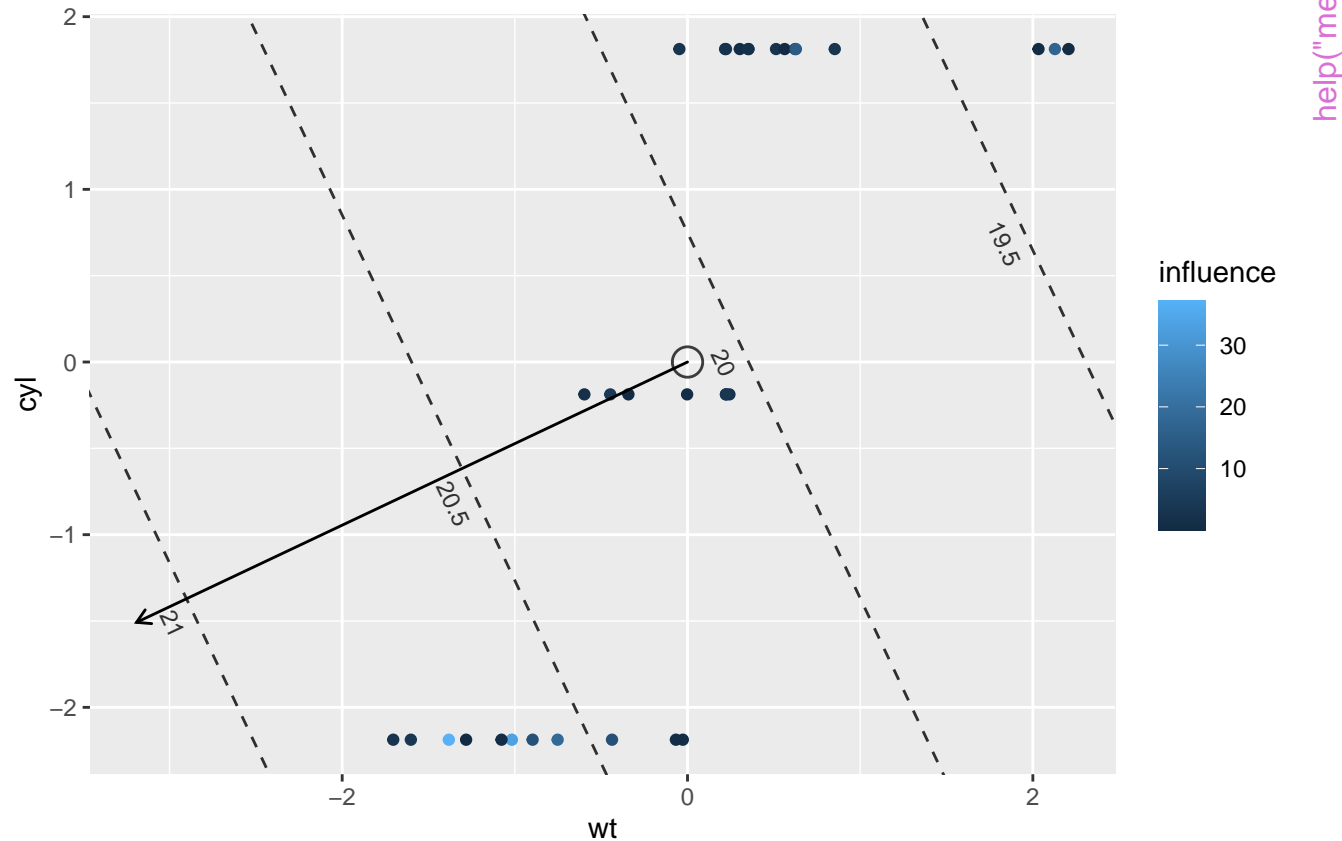
# Measurement loadings onto clusters 2 and 3

Color indicates loadings onto cluster 1



# Weight isolines with data colored by importance

## Regressing gas mileage onto weight and number of cylinders





Dim2 (41%)

Dim1 (59%)

Admitted

Rejected

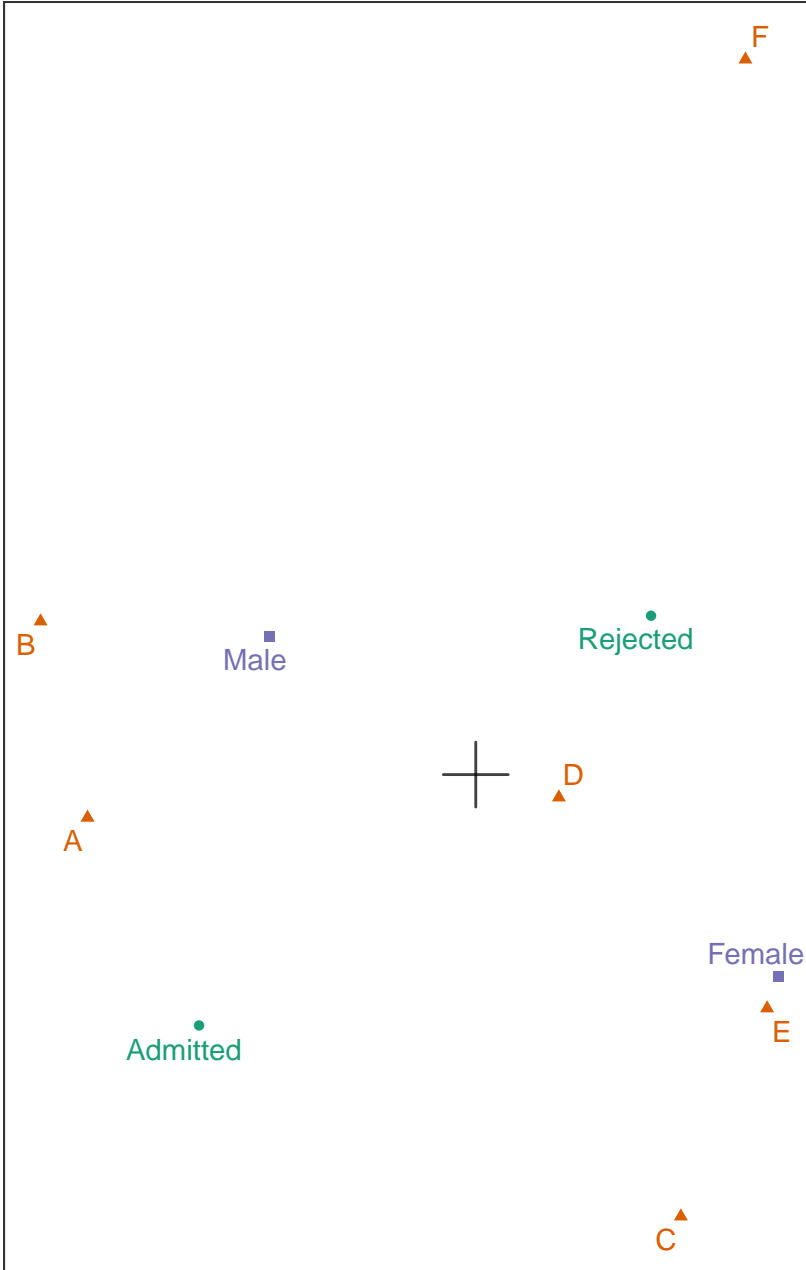
Male

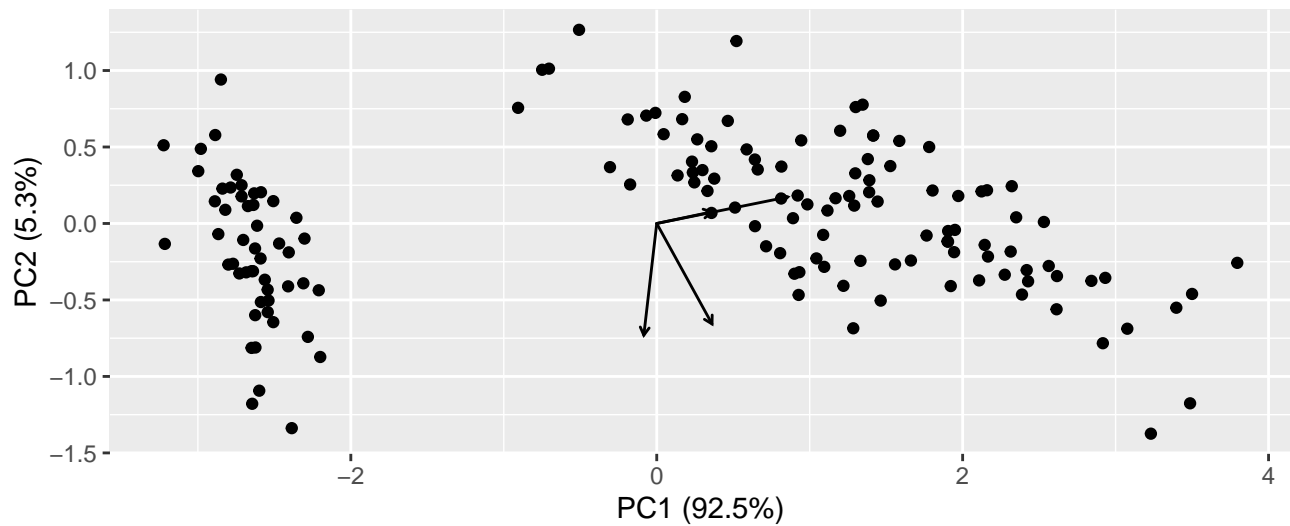
Female

Factor level

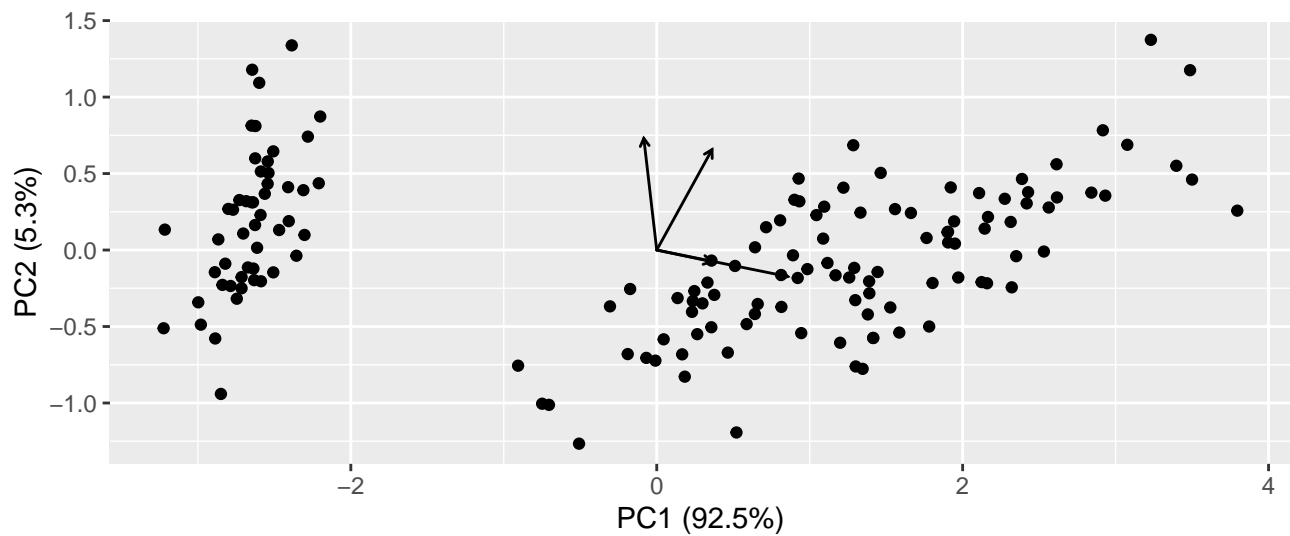
- Admit
- ▲ Dept
- Gender

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

Sepal.Width

Petal.Length

Petal.Length

PC1

-0.2

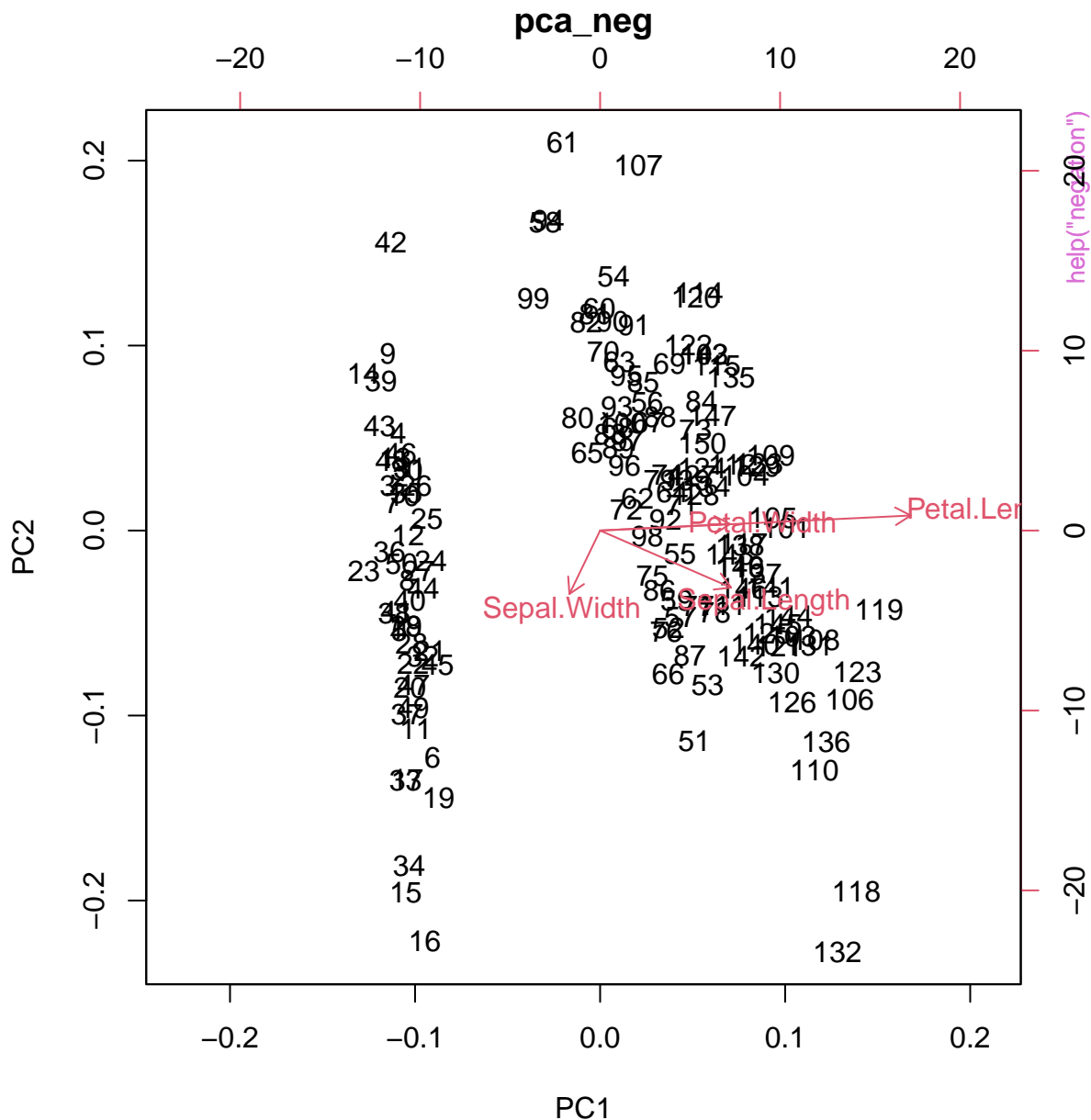
-0.1

0.0

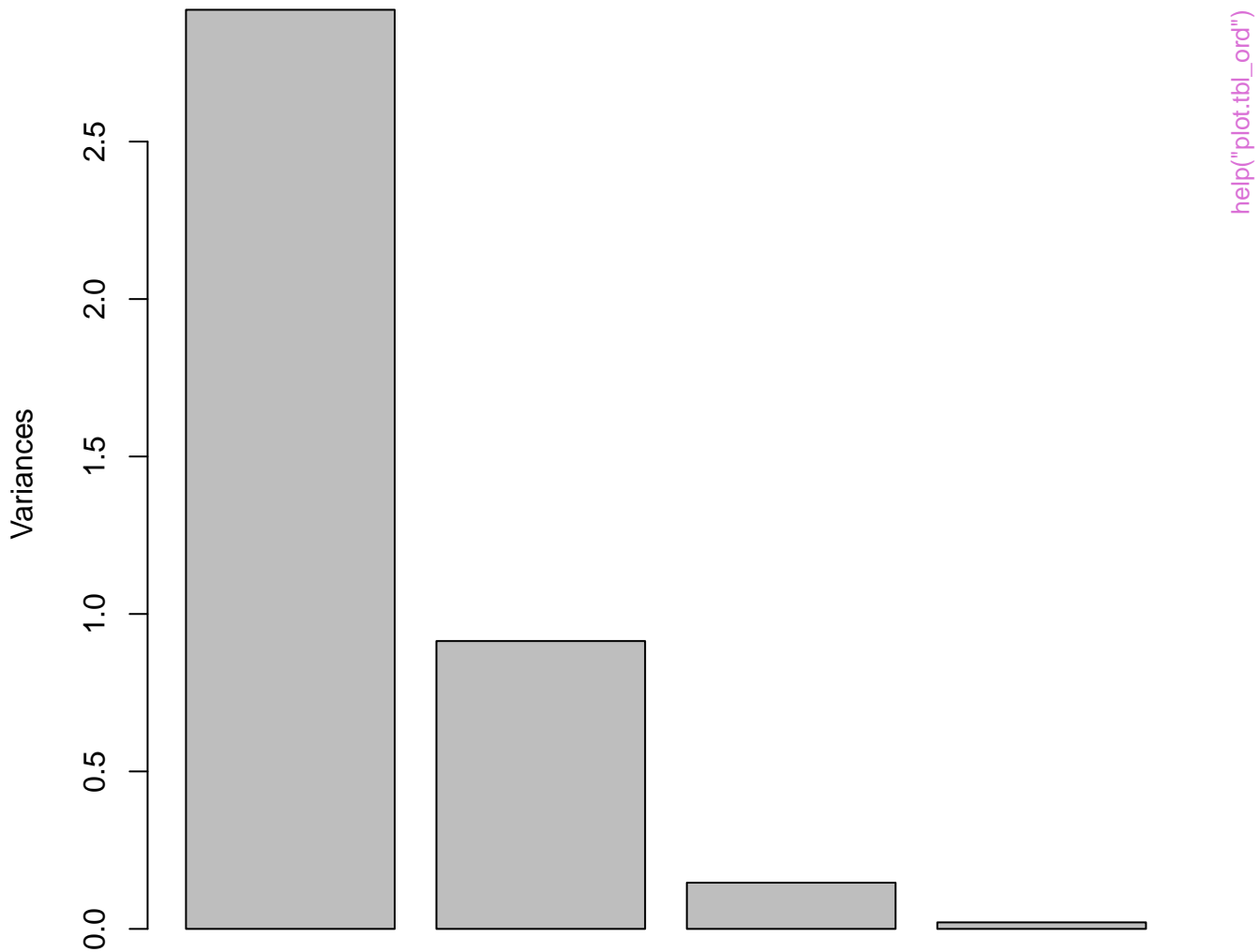
0.1

0.2



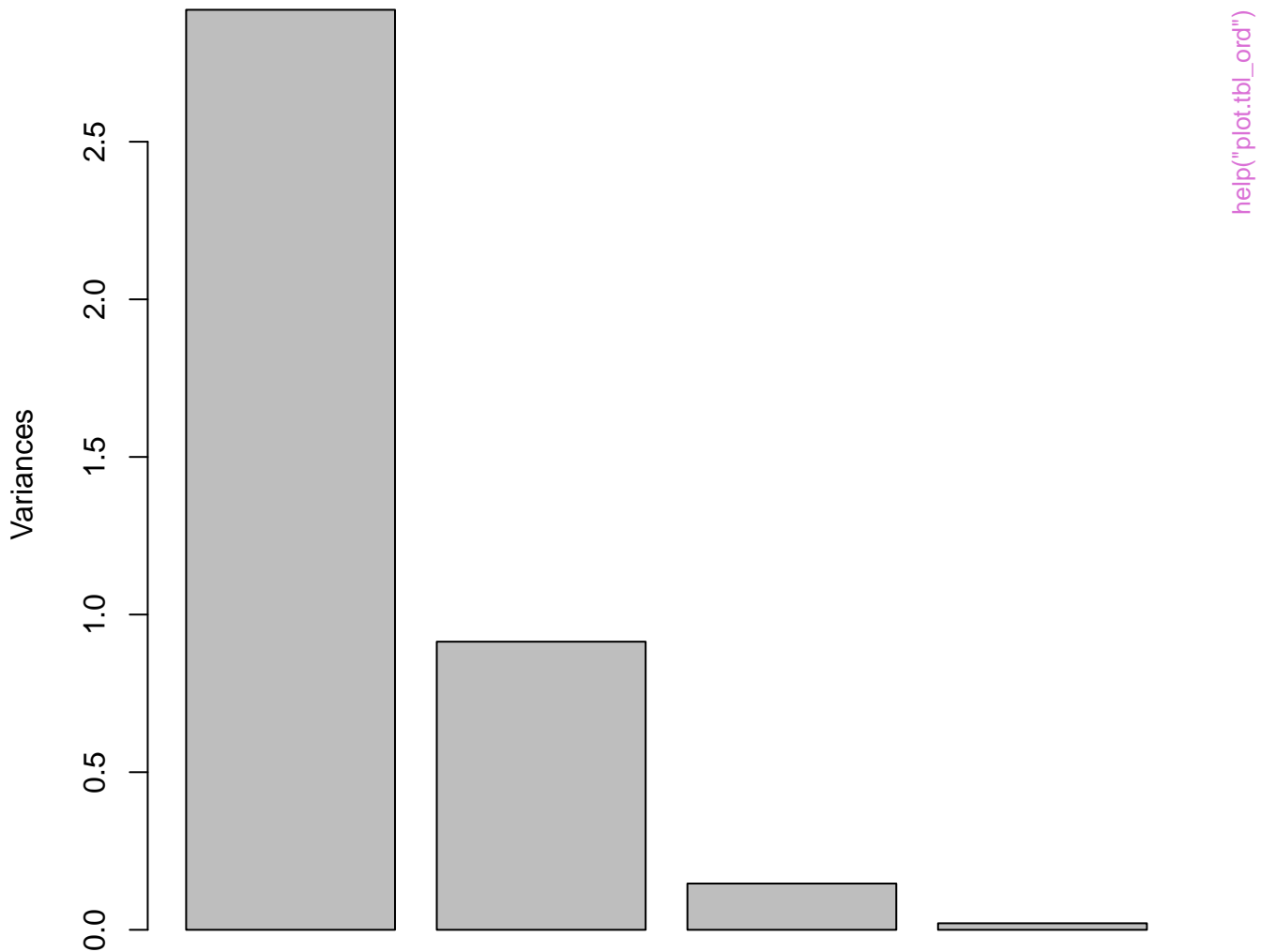


# iris\_pca

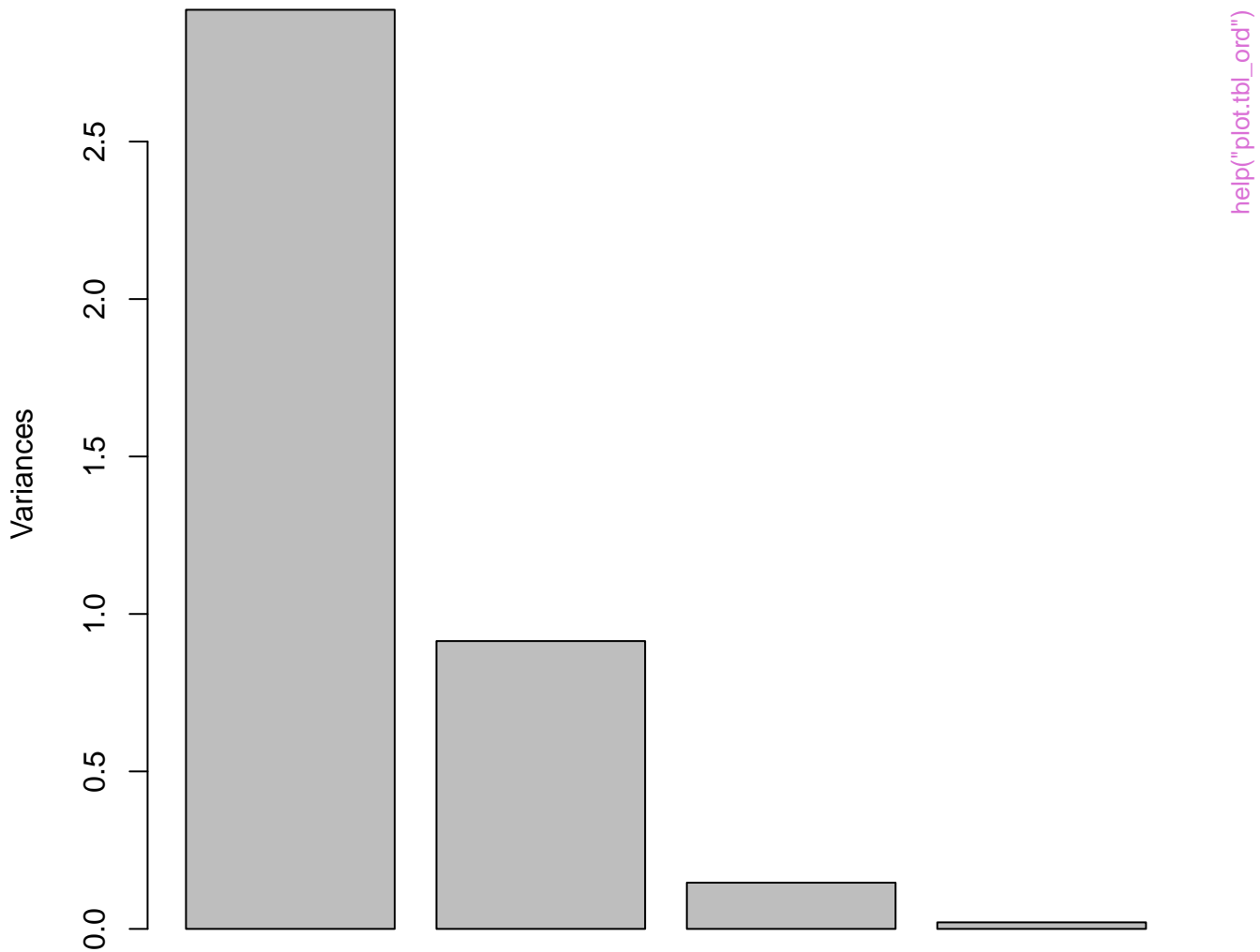


help("plot.tbl\_ord")

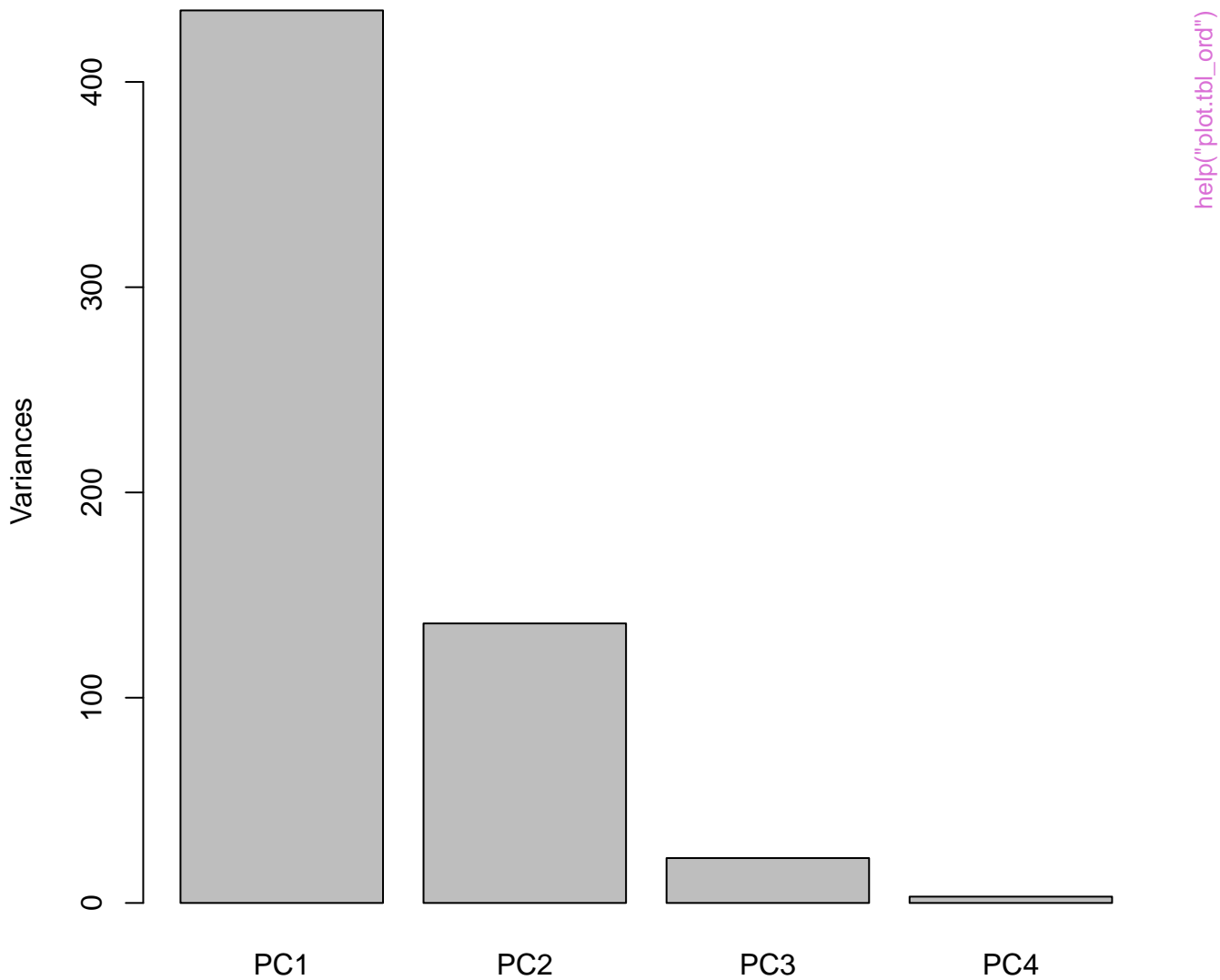
iris\_pca\_ord



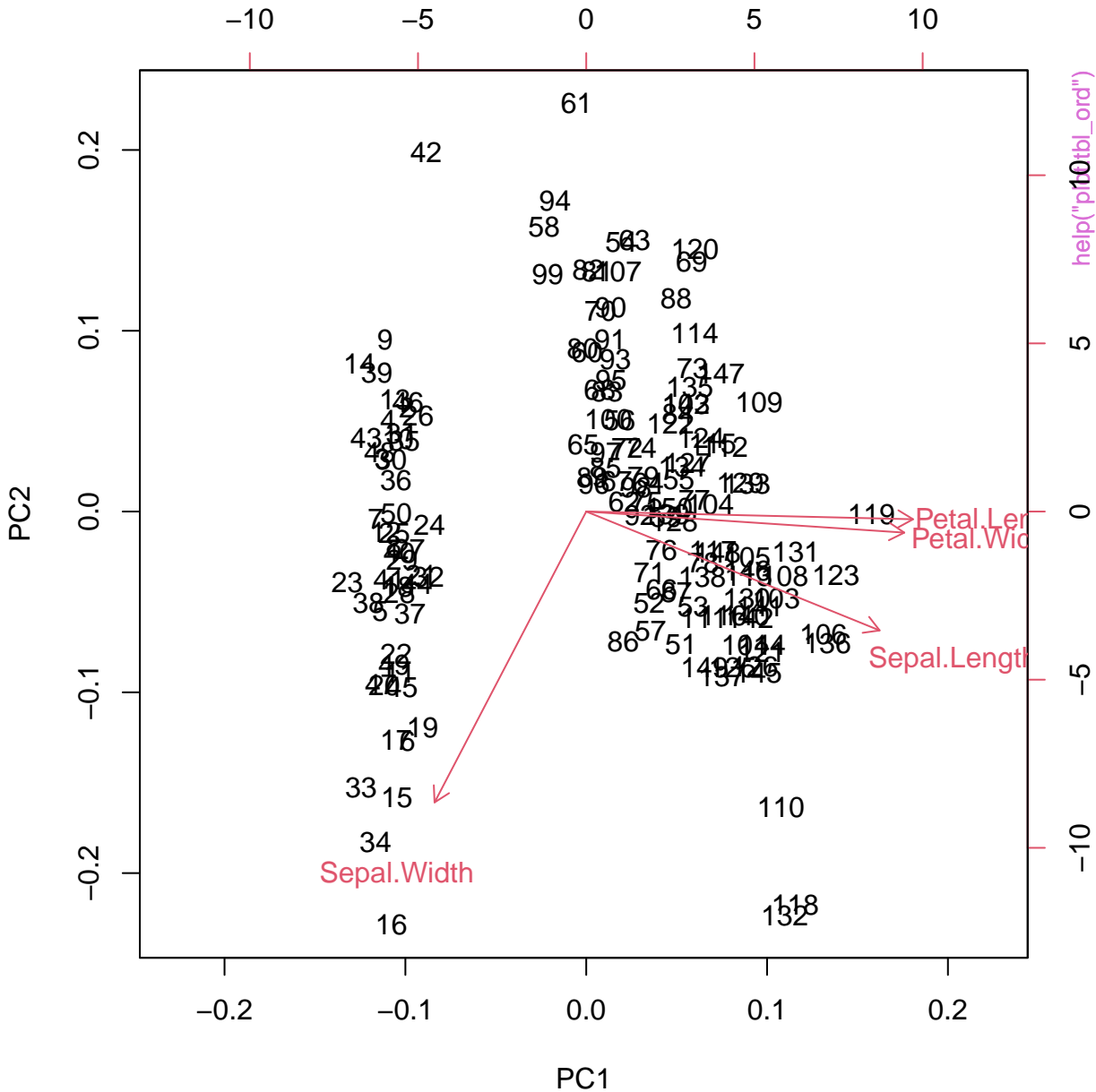
# iris\_pca

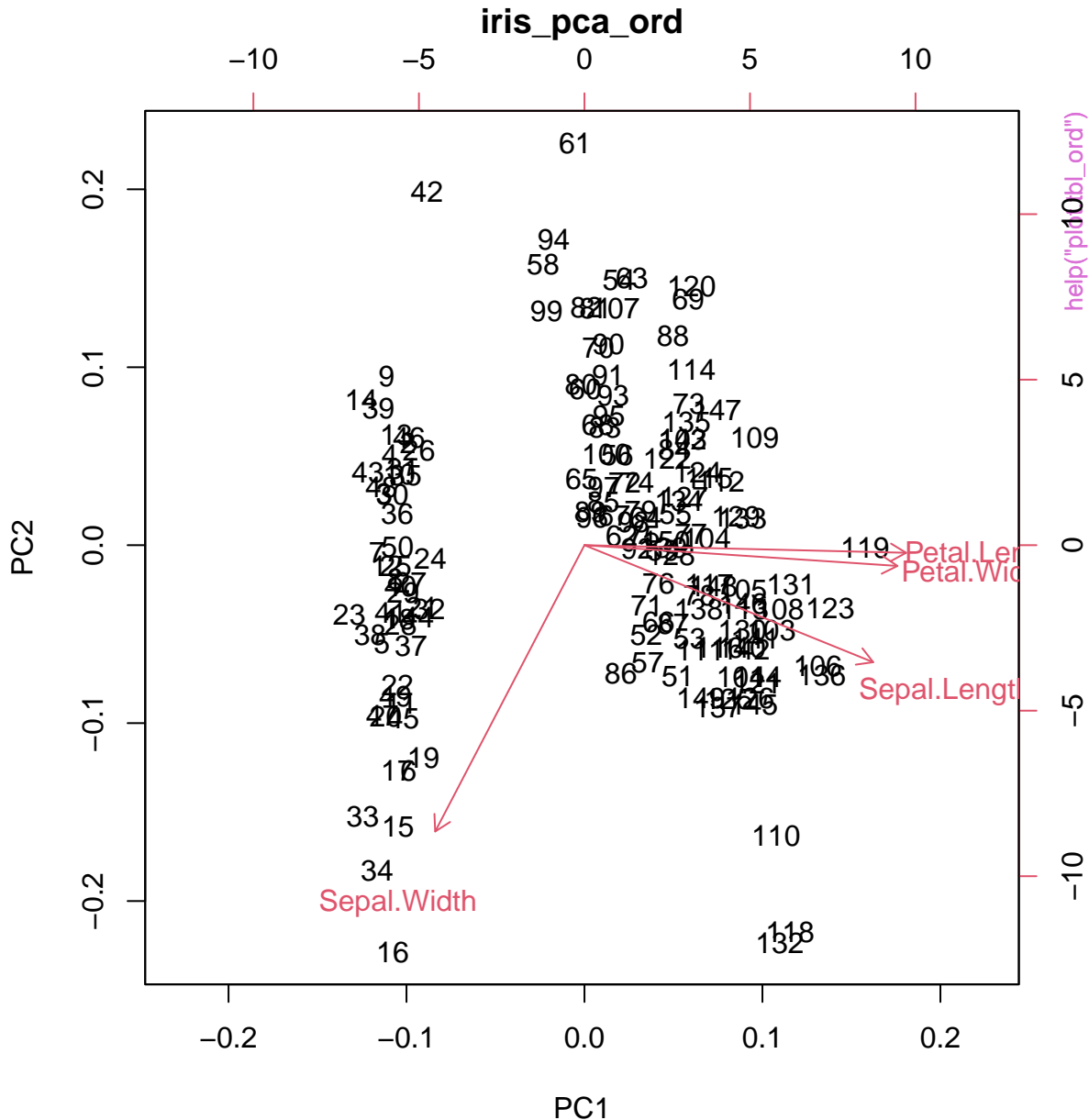


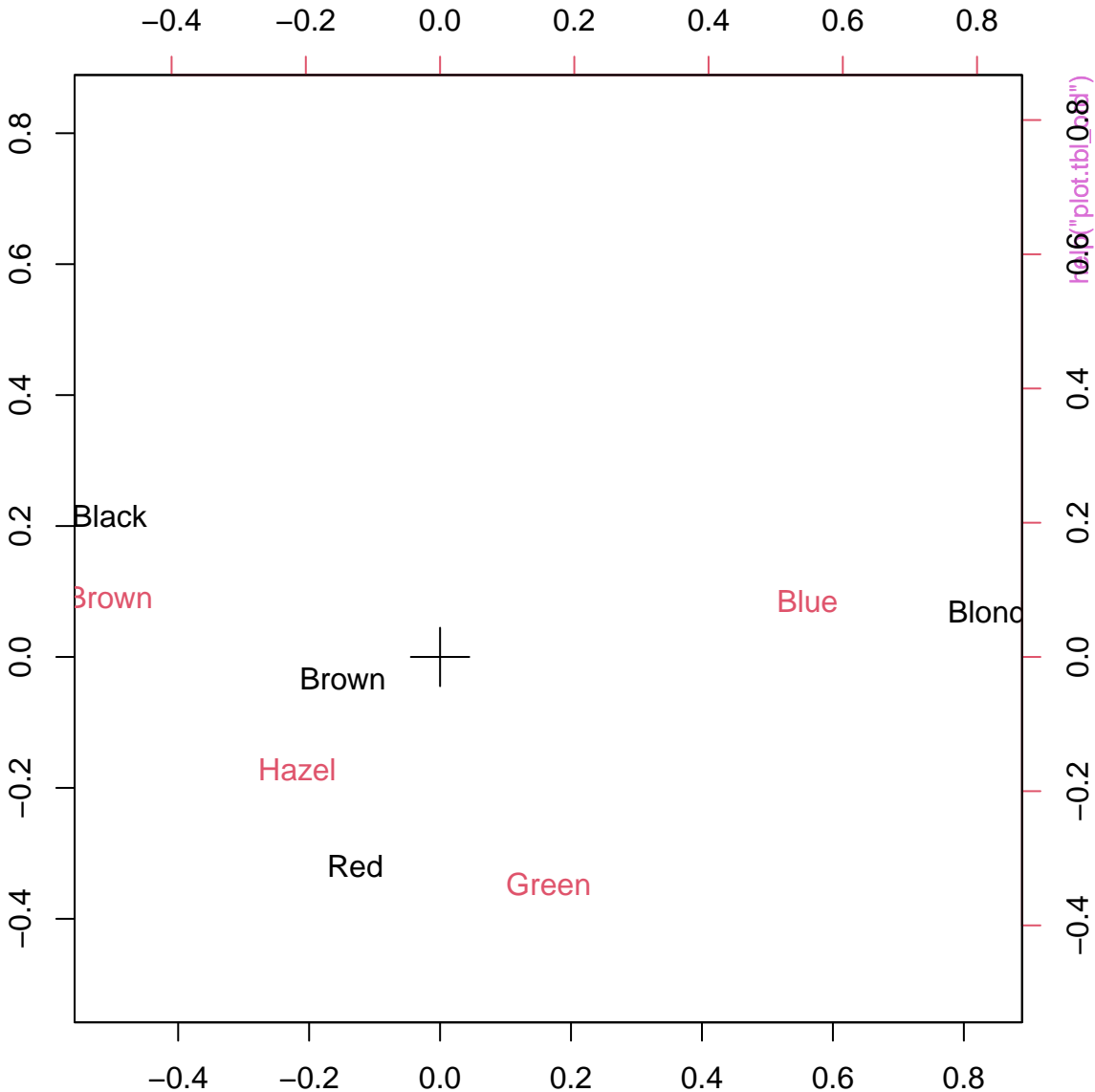
# iris\_pca\_ord



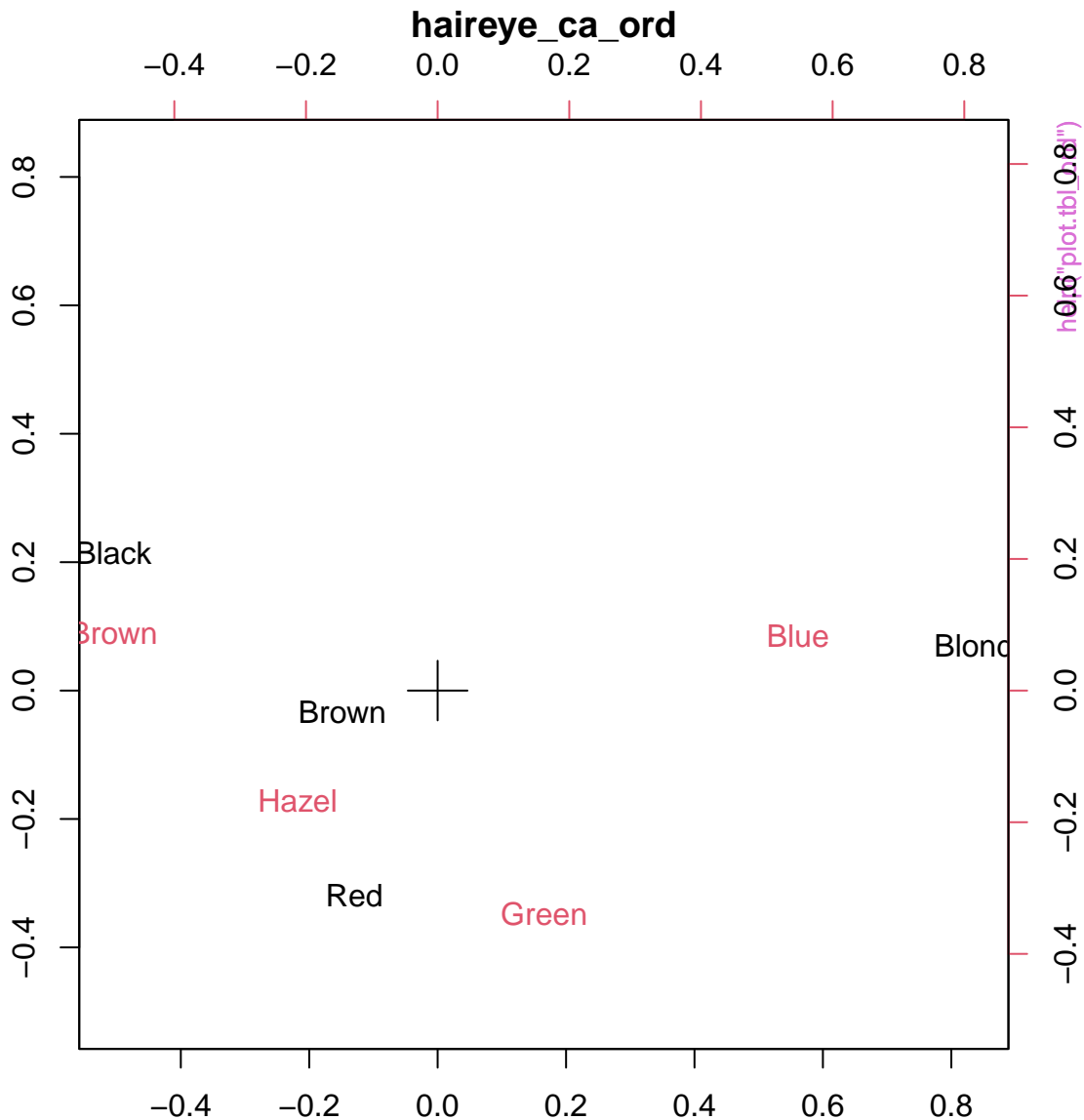
help("plot.tbl\_ord")



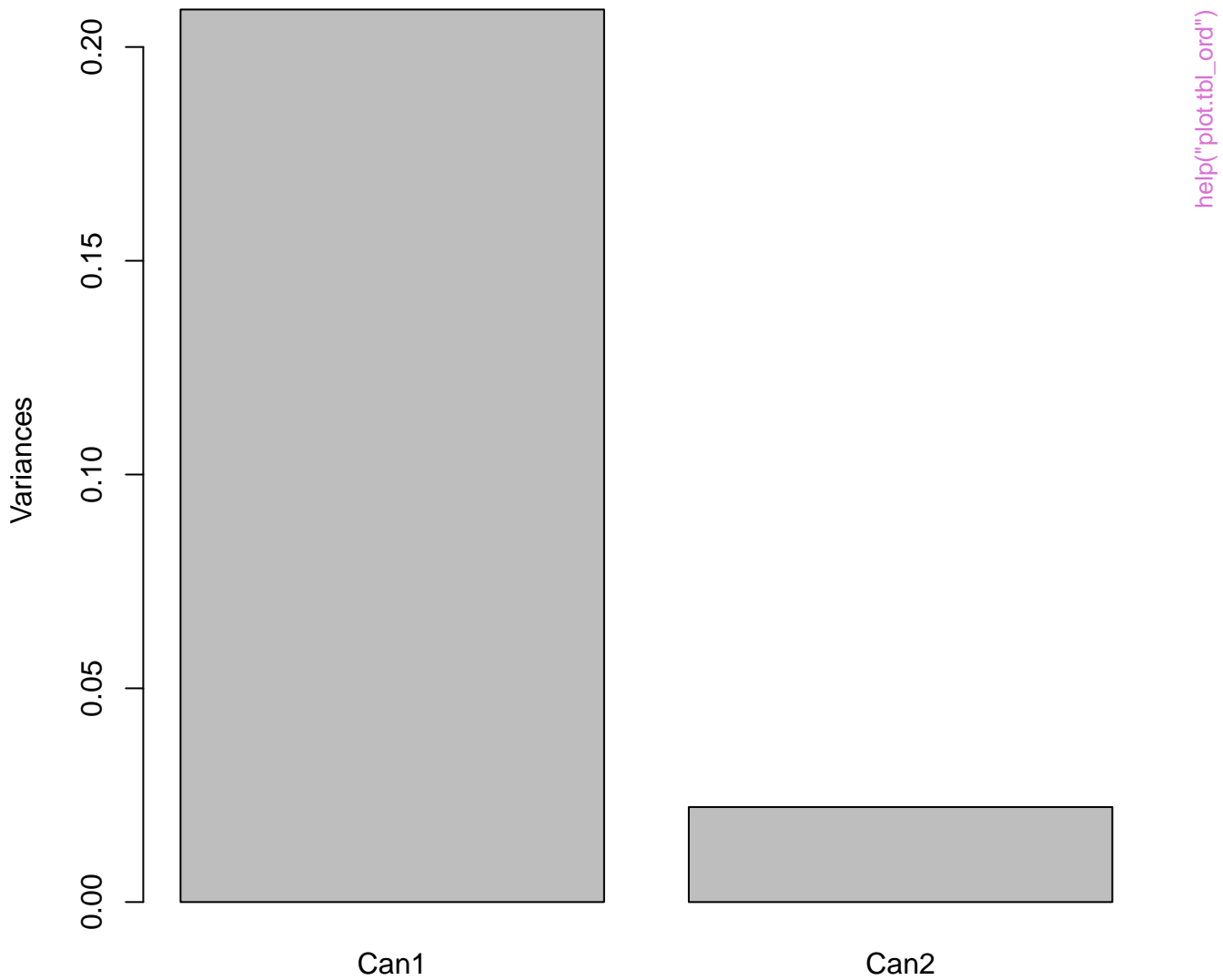


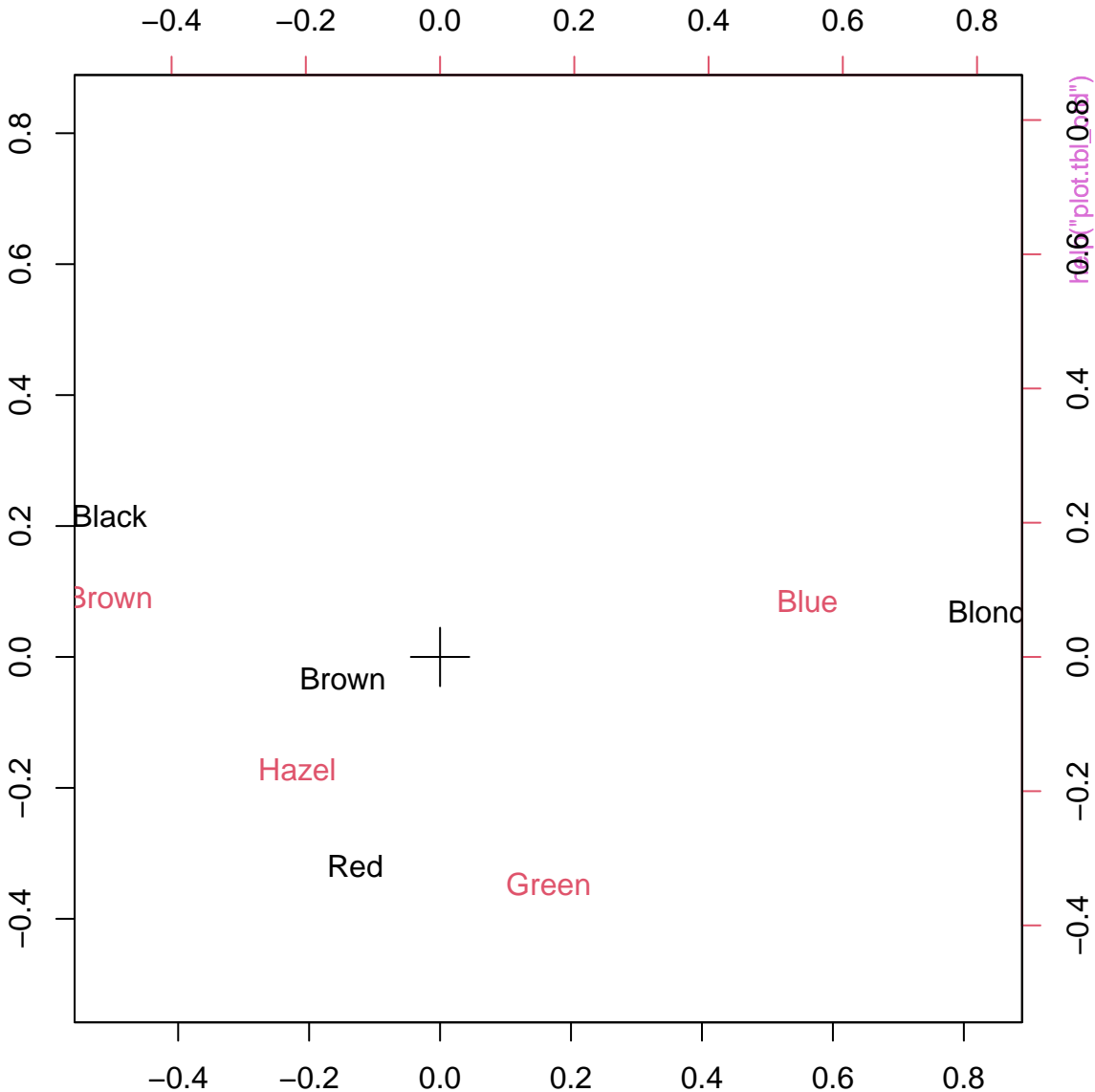


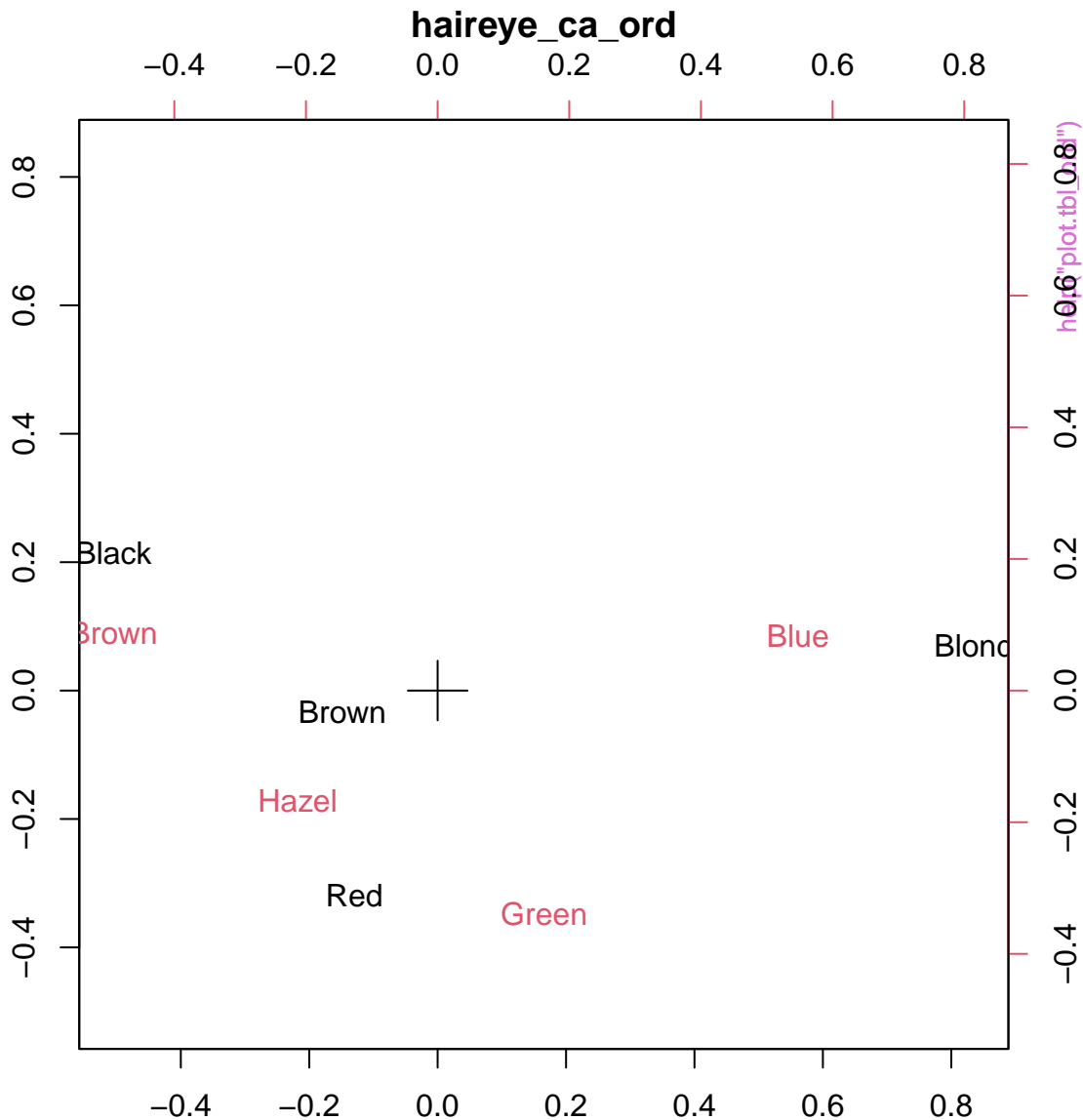


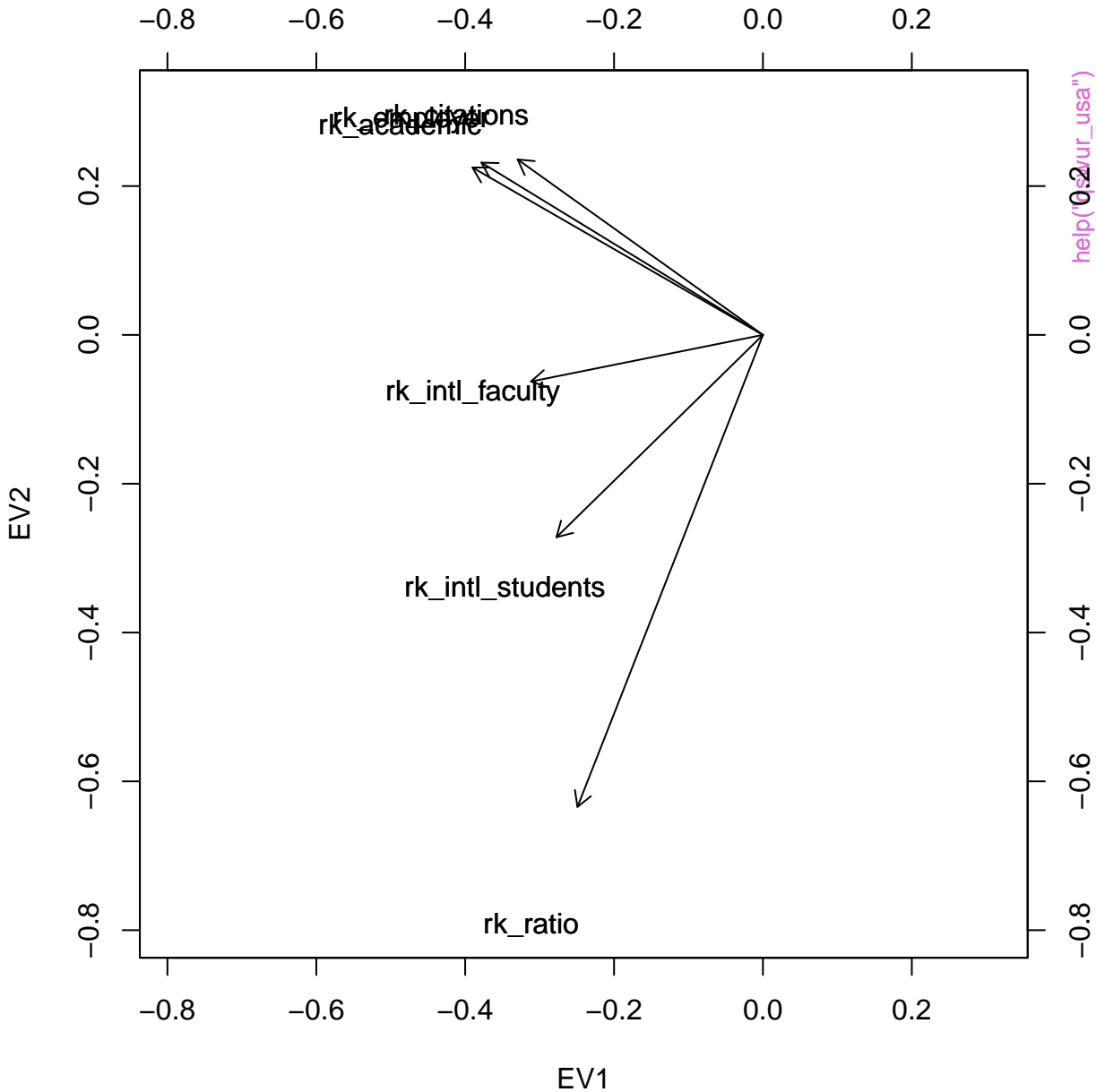


# haireye\_ca\_ord



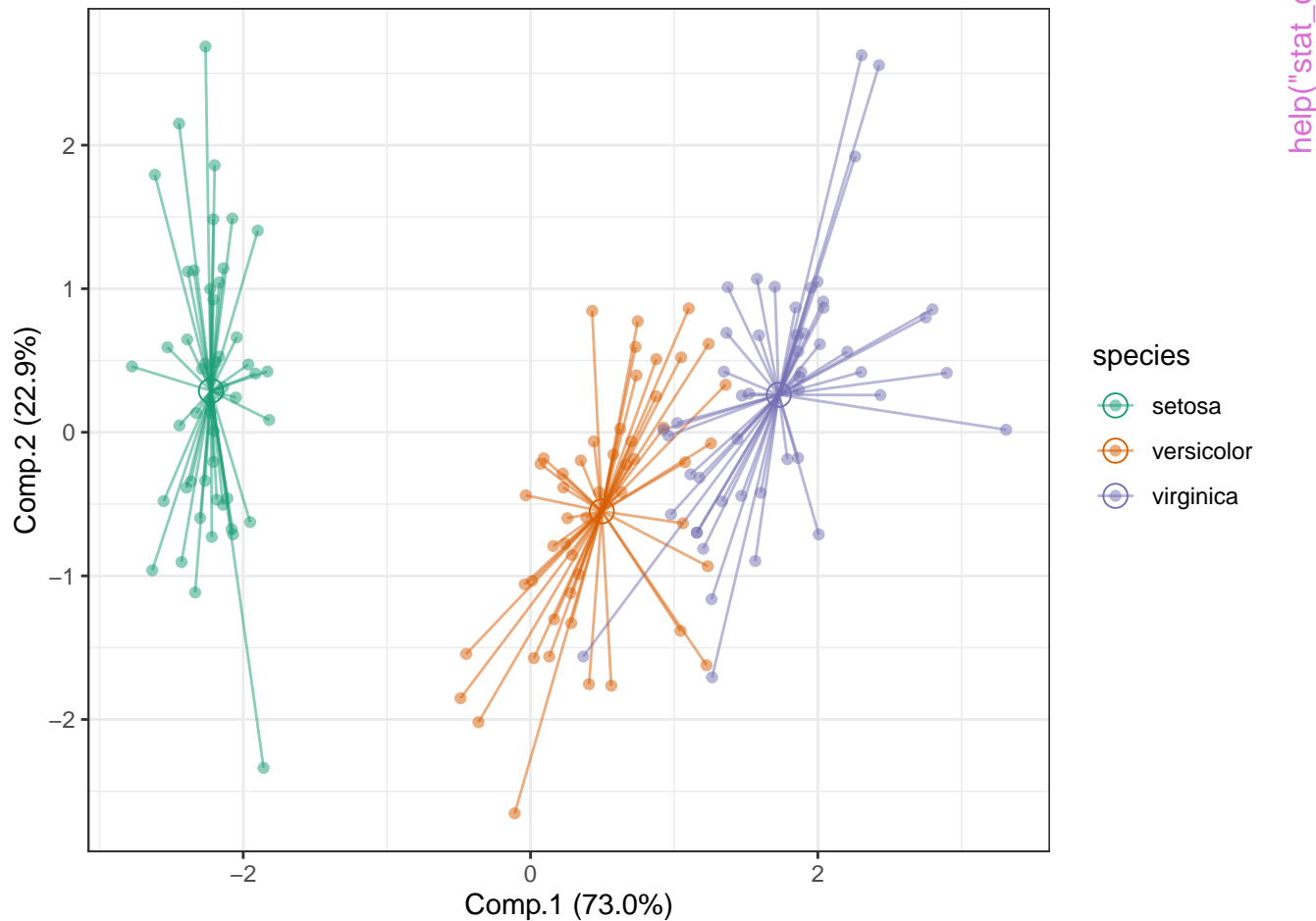




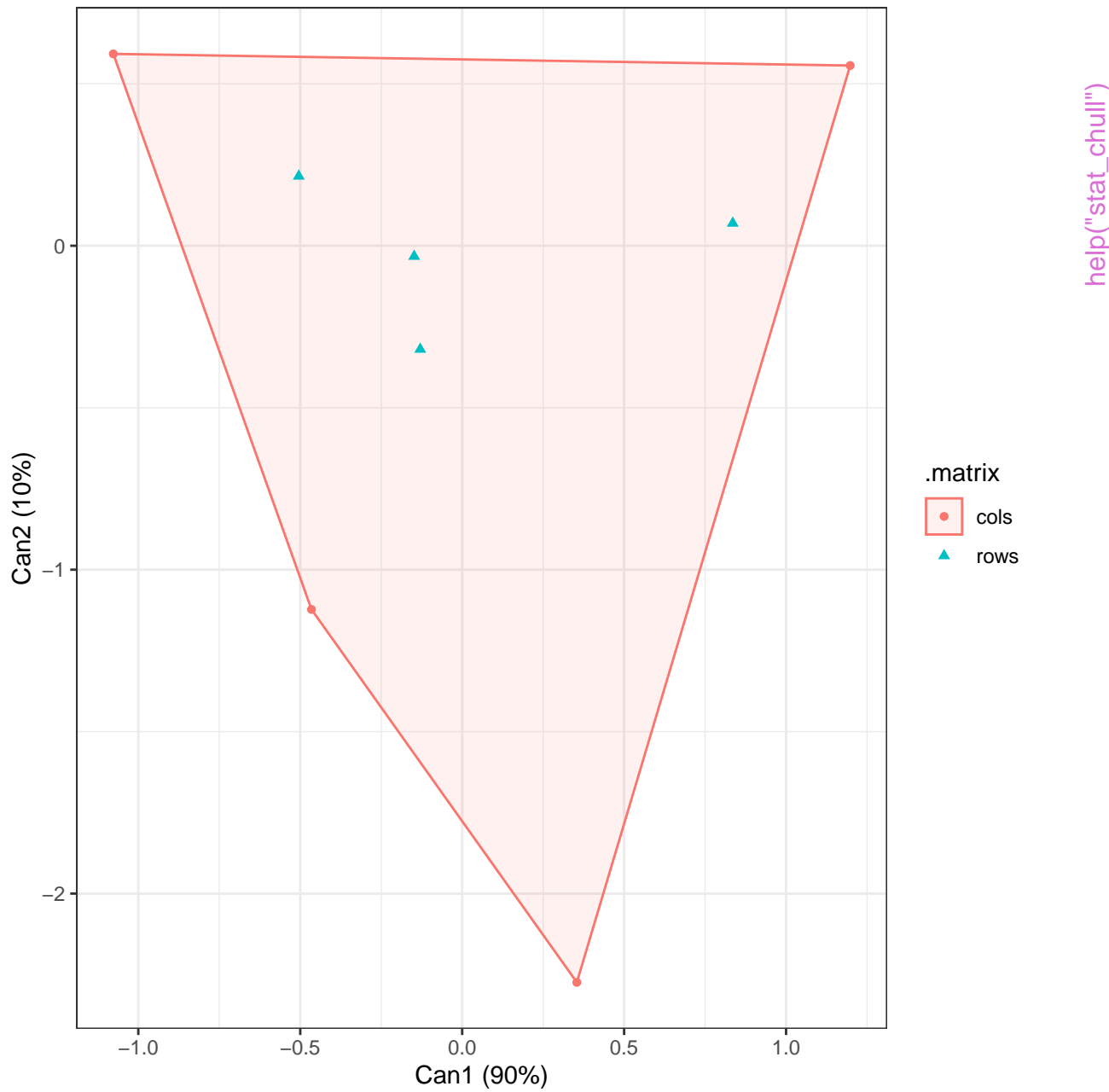


# Row-principal PCA biplot of Anderson iris measurements

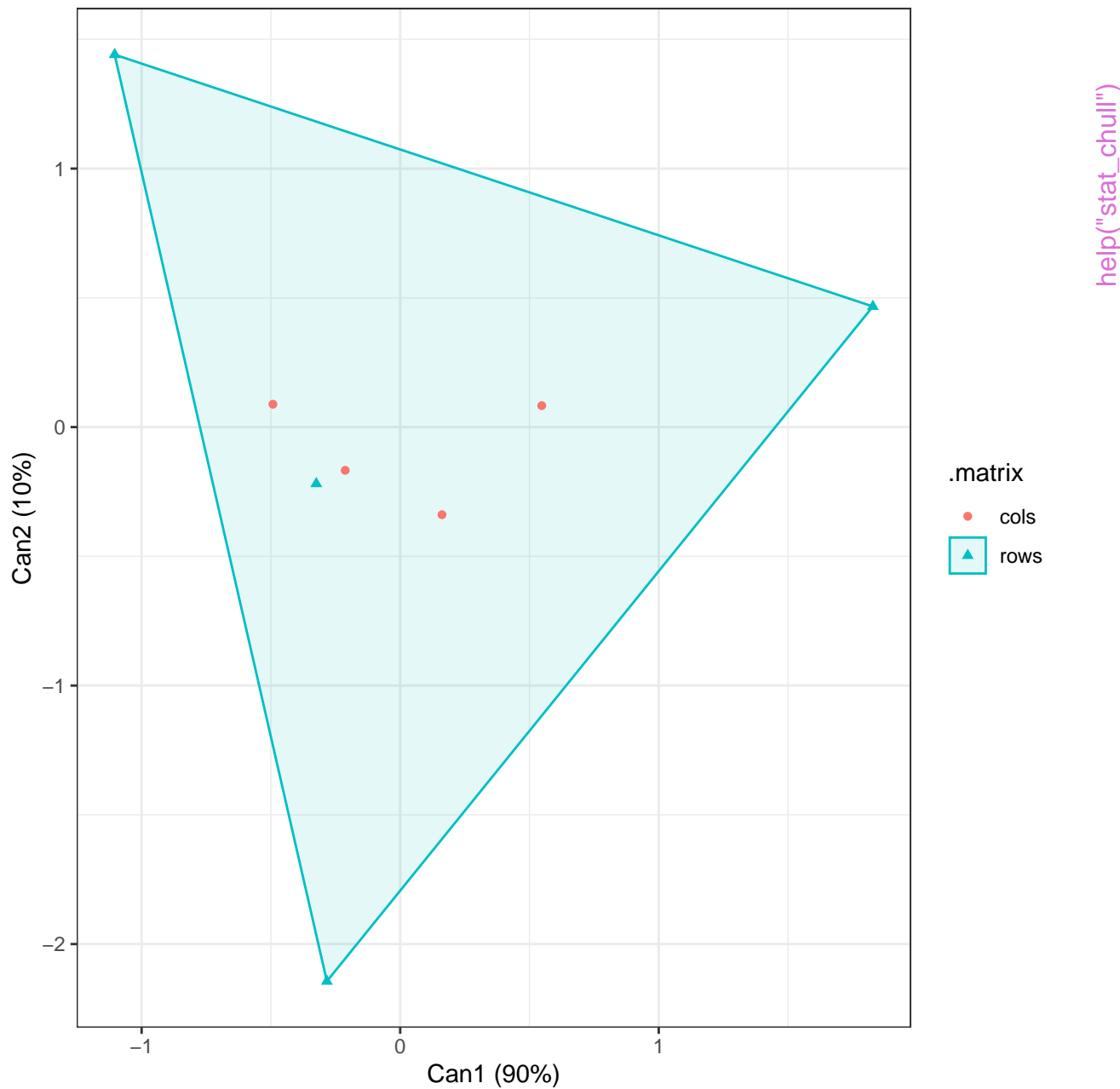
Segments connect each observation to its within-species centroid



Row-principal CA of hair & eye color



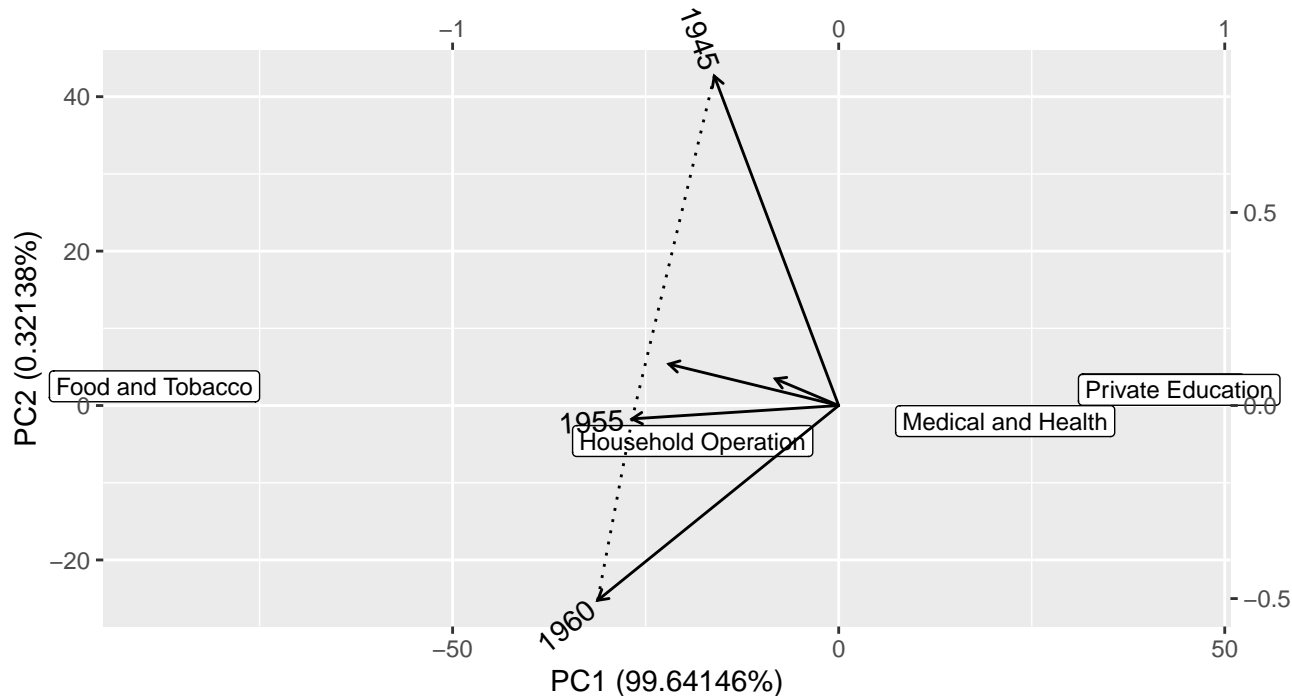
Column-principal CA of hair & eye color



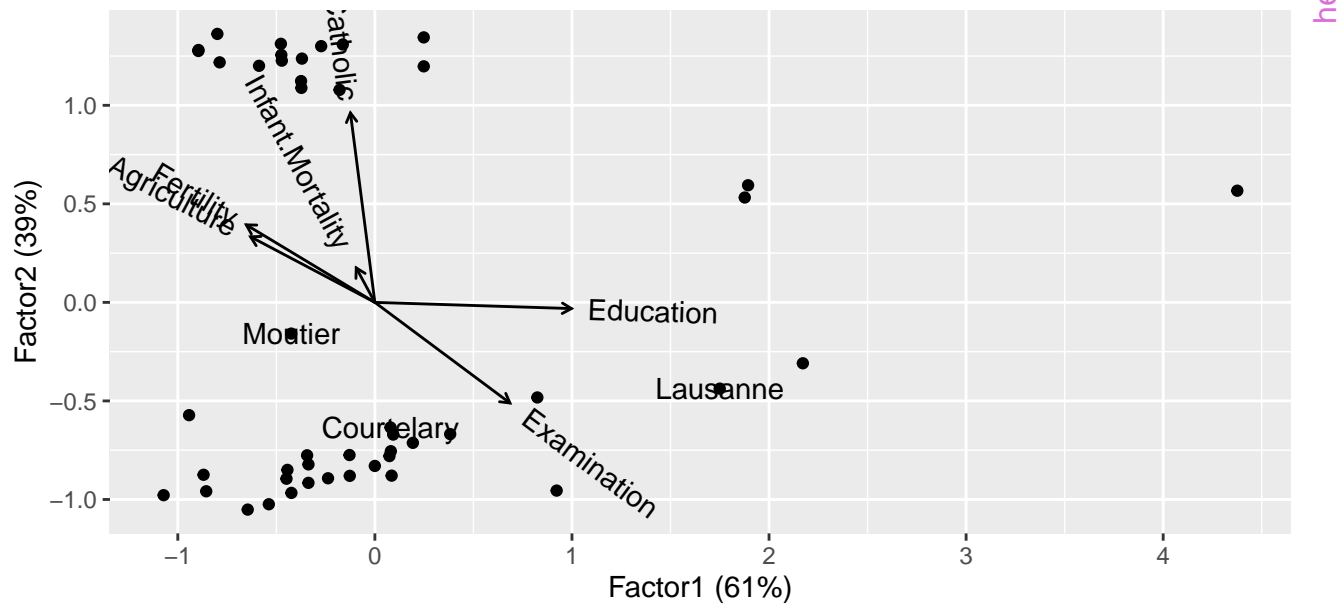


# U.S. Personal Expenditure data, 1940–1960

Row-principal biplot of centered PCA



help("stat\_cone")



help("stat\_rows")

