

K-means clustering:

- . cluster kmeans S40_D50 S40_D90 S75_D20 S75_D50 S91_D30 S91_D50, k(9) name(cl1)
 - . tabstat S40_D50 S40_D90 S75_D20 S75_D50 S91_D30 S91_D50, by(cl1)
-

K-medians clustering:

- . cluster kmedians S40_D50 S40_D90 S75_D20 S75_D50 S91_D30 S91_D50, k(9) name(cl2)
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Multivariate regression:

- . xi: mvreg S40_D50 S40_D90 S75_D20 S75_D50 S91_D30 S91_D50 = i.cl1
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Canonical linear discriminant analysis

- . candisc S40_D50 S40_D90 S75_D20 S75_D50 S91_D30 S91_D50, group(Ion)
 - . scoreplot, msymbol(i)
 - . loadingplot
 - . estat grsummarize
 - . estat grdistances
 - . estat manova
-

Leave-One-Out Cross Validation (K-fold cross validated N times)

- . estat classtable, probabilities loo
-

Classification Function coefficients (for direct classification of new data – observation is classified as a member of the group for which it has the highest score)

- . estat classfunction

