

Subject and author index

This is the subject and author index for the *Multivariate Statistics Reference Manual*. Readers interested in other topics should see the combined subject index (and the combined author index) in the *Quick Reference and Index*.

Semicolons set off the most important entries from the rest. Sometimes no entry will be set off with semicolons, meaning that all entries are equally important.

A

absolute value dissimilarity measure,
[MV] *measure_option*
Achenback, T. M., [MV] *mvtest*
agglomerative hierarchical clustering methods,
[MV] *Glossary*
Aitkin, M. A., [MV] *mvtest correlations*
Akaike, H., [MV] *factor postestimation*
Albert, A., [MV] *discrim*, [MV] *discrim logistic*
Aldenderfer, M. S., [MV] *cluster*
Allison, M. J., [MV] *manova*
Anderberg coefficient similarity measure,
[MV] *measure_option*
Anderberg, M. R., [MV] *cluster*,
[MV] *measure_option*
Anderson, E., [MV] *clustermat*, [MV] *discrim*
estat, [MV] *discrim lda*, [MV] *discrim lda*
postestimation, [MV] *mvtest*, [MV] *mvtest*
normality
Anderson, T. W., [MV] *discrim*, [MV] *manova*,
[MV] *pca*
Andrews, D. F., [MV] *discrim lda postestimation*,
[MV] *discrim qda*, [MV] *discrim qda*
postestimation, [MV] *manova*
angular similarity measure, [MV] *measure_option*
anova, *estat* subcommand, [MV] *discrim lda*
postestimation
anti, *estat* subcommand, [MV] *factor*
postestimation, [MV] *pca postestimation*
anti-image
 correlation matrix, [MV] *factor postestimation*,
 [MV] *Glossary*, [MV] *pca postestimation*
 covariance matrix, [MV] *factor postestimation*,
 [MV] *Glossary*, [MV] *pca postestimation*
approximating Euclidean distances, [MV] *mds*
postestimation
Arnold, S. F., [MV] *manova*
Arseven, E., [MV] *discrim lda*
averagelinkage,
 cluster subcommand, [MV] *cluster linkage*
 clustermat subcommand, [MV] *cluster linkage*
average-linkage clustering, [MV] *cluster*, [MV] *cluster*
linkage, [MV] *clustermat*, [MV] *Glossary*

B

Bartlett, M. S., [MV] *factor*, [MV] *factor*
postestimation, [MV] *Glossary*
Bartlett scoring, [MV] *factor postestimation*
Basilevsky, A. T., [MV] *factor*, [MV] *pca*
Baum, C. F., [MV] *mvtest*, [MV] *mvtest normality*
Bayes' theorem, [MV] *Glossary*
Beall, G., [MV] *mvtest*, [MV] *mvtest covariances*
Beerstecher, E., [MV] *manova*
Bellman, R. E., [MV] *Glossary*
Bentler, P. M., [MV] *Glossary*, [MV] *rotate*,
[MV] *rotatemat*
Bentler's invariant pattern simplicity rotation,
[MV] *Glossary*, [MV] *rotate*, [MV] *rotatemat*
Bernaards, C. A., [MV] *rotatemat*
between matrix, [MV] *Glossary*
Bibby, J. M., [MV] *discrim*, [MV] *discrim lda*,
[MV] *factor*, [MV] *manova*, [MV] *matrix*
dissimilarity, [MV] *mds*, [MV] *mds*
postestimation, [MV] *mdslong*, [MV] *mdsmat*,
[MV] *mvtest*, [MV] *mvtest means*, [MV] *mvtest*
normality, [MV] *pca*, [MV] *procrustes*
biplot, [MV] *Glossary*
biplot command, [MV] *biplot*
biplots, [MV] *biplot*, [MV] *ca postestimation*
biquartimax rotation, [MV] *Glossary*, [MV] *rotate*,
[MV] *rotatemat*
biquartimin rotation, [MV] *Glossary*, [MV] *rotate*,
[MV] *rotatemat*
Blashfield, R. K., [MV] *cluster*
Blasius, J., [MV] *ca*, [MV] *mca*
block diagonal covariance, [MV] *mvtest covariances*
Bollen, K. A., [MV] *factor postestimation*
Borg, I., [MV] *mds*, [MV] *mds postestimation*,
[MV] *mdslong*, [MV] *mdsmat*
boundary solution, [MV] *Glossary*
Box, G. E. P., [MV] *manova*, [MV] *mvtest covariances*
Box *M* test, [MV] *mvtest covariances*
Bray, R. J., [MV] *clustermat*
Brent, R. P., [MV] *mdsmat*, [MV] *mvtest means*
Brown, J. D., [MV] *manova*
Browne, M. W., [MV] *procrustes*
Buot, M.-L. G., [MV] *mvtest means*

C

CA, [MV] *Glossary*
ca command, [MV] *ca*
cabiplot command, [MV] *ca postestimation*
Cailliez, F., [MV] *mdsmat*
Caliński and Harabasz index stopping rules,
[MV] *cluster stop*
Caliński, T., [MV] *cluster*, [MV] *cluster stop*
camat command, [MV] *ca*
C Canberra dissimilarity measure, [MV] *measure_option*
candisc command, [MV] *candisc*
canon command, [MV] *canon*

- canonical
 - correlation analysis, [MV] **Glossary**
 - correlations, [MV] **canon**, [MV] **canon postestimation**
 - discriminant analysis, [MV] **candisc**, [MV] **Glossary**
 - loadings, [MV] **Glossary**
 - variate set, [MV] **Glossary**
 - canontest, estat subcommand, [MV] **discrim lda postestimation**
 - caprojection command, [MV] **ca postestimation**
 - Carroll, J. B., [MV] **rotatemat**
 - categorical data, [MV] **ca**, [MV] **manova**, [MV] **mca**
 - Cattell, R. B., [MV] **factor postestimation**, [MV] **pca postestimation**, [MV] **procrustes**, [MV] **screepplot**
 - centered data, [MV] **Glossary**
 - centroidlinkage,
 - cluster subcommand, [MV] **cluster linkage**
 - clustermat subcommand, [MV] **cluster linkage**
 - centroid-linkage clustering, [MV] **cluster**, [MV] **cluster linkage**, [MV] **clustermat**, [MV] **Glossary**
 - Choi, S. C., [MV] **discrim knn**
 - Clarke, M. R. B., [MV] **factor**
 - classfunctions, estat subcommand, [MV] **discrim lda postestimation**
 - classical scaling, [MV] **Glossary**
 - classification, see discriminant analysis or cluster analysis
 - classification function, [MV] **Glossary**
 - classification table, [MV] **Glossary**
 - classtable, estat subcommand, [MV] **discrim estat**, [MV] **discrim knn postestimation**, [MV] **discrim lda postestimation**, [MV] **discrim logistic postestimation**, [MV] **discrim qda postestimation**
 - Cliff, N., [MV] **canon postestimation**
 - cluster, [MV] **cluster**
 - averagelinkage command, [MV] **cluster linkage**
 - centroidlinkage command, [MV] **cluster linkage**
 - completelinkage command, [MV] **cluster linkage**
 - delete command, [MV] **cluster programming utilities**
 - dendrogram command, [MV] **cluster dendrogram**
 - dir command, [MV] **cluster utility**
 - drop command, [MV] **cluster utility**
 - generate command, [MV] **cluster generate**
 - kmeans command, [MV] **cluster kmeans and kmedians**
 - kmedians command, [MV] **cluster kmeans and kmedians**
 - list command, [MV] **cluster utility**
 - measures command, [MV] **cluster programming utilities**
 - medianlinkage command, [MV] **cluster linkage**
 - notes command, [MV] **cluster notes**
 - parsedistance command, [MV] **cluster programming utilities**
 - cluster, *continued*
 - query command, [MV] **cluster programming utilities**
 - rename command, [MV] **cluster utility**
 - renamevar command, [MV] **cluster utility**
 - set command, [MV] **cluster programming utilities**
 - singlelinkage command, [MV] **cluster linkage**
 - stop command, [MV] **cluster stop**
 - use command, [MV] **cluster utility**
 - wardslinkage command, [MV] **cluster linkage**
 - waveragelinkage command, [MV] **cluster linkage**
 - cluster analysis, [MV] **cluster**, [MV] **cluster dendrogram**, [MV] **cluster generate**, [MV] **cluster kmeans and kmedians**, [MV] **cluster linkage**, [MV] **cluster stop**, [MV] **cluster utility**, [MV] **Glossary**
 - dendrograms, [MV] **cluster dendrogram**
 - dropping, [MV] **cluster utility**
 - hierarchical, [MV] **cluster**, [MV] **cluster linkage**, [MV] **clustermat**
 - kmeans, [MV] **cluster kmeans and kmedians**
 - kmedians, [MV] **cluster kmeans and kmedians**
 - listing, [MV] **cluster utility**
 - notes, [MV] **cluster notes**
 - programming, [MV] **cluster programming subroutines**, [MV] **cluster programming utilities**
 - renaming, [MV] **cluster utility**
 - stopping rules, [MV] **cluster**, [MV] **cluster stop**
 - tree, [MV] **cluster dendrogram**, [MV] **Glossary**
 - using, [MV] **cluster utility**
- clustering, see cluster analysis
- clustermat, [MV] **clustermat**
 - averagelinkage command, [MV] **cluster linkage**
 - centroidlinkage command, [MV] **cluster linkage**
 - completelinkage command, [MV] **cluster linkage**
 - medianlinkage command, [MV] **cluster linkage**
 - singlelinkage command, [MV] **cluster linkage**
 - stop command, [MV] **cluster stop**
 - wardslinkage command, [MV] **cluster linkage**
 - waveragelinkage command, [MV] **cluster linkage**
- common, estat subcommand, [MV] **factor postestimation**
- common factors, [MV] **Glossary**
- communalities, [MV] **factor**, [MV] **factor postestimation**
- communality, [MV] **Glossary**
- compare, estat subcommand, [MV] **procrustes postestimation**
- completelinkage,
 - cluster subcommand, [MV] **cluster linkage**
 - clustermat subcommand, [MV] **cluster linkage**
- complete-linkage clustering, [MV] **cluster**, [MV] **cluster linkage**, [MV] **clustermat**, [MV] **Glossary**
- component
 - analysis, [MV] **factor**, [MV] **pca**, [MV] **rotate**, [MV] **rotatemat**

component, *continued*
 loading plot, [MV] **scoreplot**
 plot, [MV] **scoreplot**
 scores, [MV] **Glossary**

compound symmetric
 correlation matrix, [MV] **mvtest correlations**
 covariance matrix, [MV] **mvtest covariances**

Comrey, A. L., [MV] **Glossary**, [MV] **rotate**,
 [MV] **rotatemat**

Comrey's tandem 1 and 2 rotations, [MV] **Glossary**,
 [MV] **rotate**, [MV] **rotatemat**

config, estat subcommand, [MV] **mds**
postestimation

configuration, [MV] **Glossary**

configuration plot, [MV] **Glossary**, [MV] **mds**
postestimation

confirmatory factor analysis, [MV] **intro**

confusion matrix, [MV] **Glossary**

contingency tables, [MV] **ca**

contrast or contrasts, [MV] **Glossary**, [MV] **intro**,
 [MV] **manova postestimation**

Cooper, M. C., [MV] **cluster**, [MV] **cluster**
programming subroutines, [MV] **cluster stop**

coordinates, estat subcommand, [MV] **ca**
postestimation, [MV] **mca postestimation**

correlation matrix, anti-image, [MV] **factor**
postestimation, [MV] **pca postestimation**

correlation,
 canonical, [MV] **canon**
 compound symmetric, [MV] **mvtest correlations**
 factoring of, [MV] **factor**
 matrices, [MV] **mvtest correlations**
 principal components of, [MV] **pca**
 similarity measure, [MV] **measure_option**
 testing equality, [MV] **mvtest correlations**

correlations,
 estat subcommand, [MV] **canon postestimation**,
 [MV] **discrim lda postestimation**, [MV] **discrim**
qda postestimation, [MV] **mds postestimation**
 mvtest subcommand, [MV] **mvtest correlations**

correspondence analysis, [MV] **ca**, [MV] **Glossary**,
 [MV] **mca**

correspondence analysis projection, [MV] **Glossary**

Corten, R., [MV] **mds**

costs, [MV] **Glossary**

covariance, estat subcommand, [MV] **discrim**
lda postestimation, [MV] **discrim qda**
postestimation

covariance matrix
 block diagonal, [MV] **mvtest covariances**
 spherical, [MV] **mvtest covariances**
 testing equality, [MV] **mvtest covariances**

covariance matrix, anti-image, [MV] **factor**
postestimation, [MV] **pca postestimation**

covariance, principal components of, [MV] **pca**

covariances, mvtest subcommand, [MV] **mvtest**
covariances

covarimin rotation, [MV] **Glossary**, [MV] **rotate**,
 [MV] **rotatemat**

Cox, M. A. A., [MV] **biplot**, [MV] **ca**, [MV] **Glossary**,
 [MV] **mds**, [MV] **mds postestimation**,
 [MV] **mdsmat**, [MV] **procrustes**

Cox, N. J., [MV] **mvtest**, [MV] **mvtest normality**

Cox, T. F., [MV] **biplot**, [MV] **ca**, [MV] **Glossary**,
 [MV] **mds**, [MV] **mds postestimation**,
 [MV] **mdsmat**, [MV] **procrustes**

Cozad, J. B., [MV] **discrim lda**

Cramer, E. M., [MV] **procrustes**

Crawford, C. B., [MV] **Glossary**, [MV] **rotate**,
 [MV] **rotatemat**

Crawford-Ferguson rotation, [MV] **Glossary**,
 [MV] **rotate**, [MV] **rotatemat**

Critchley, F., [MV] **mdsmat**

crossed variables, [MV] **Glossary**

crossing variables, [MV] **Glossary**

curse of dimensionality, [MV] **Glossary**

Curtis, J. T., [MV] **clustermat**

Czekanowski, J., [MV] **measure_option**

D

D'Agostino, R. B., [MV] **mvtest normality**

data reduction, [MV] **ca**, [MV] **canon**, [MV] **factor**,
 [MV] **mds**, [MV] **pca**

Day, W. H. E., [MV] **cluster**

de Leeuw, J., [MV] **ca postestimation**

delete, cluster subcommand, [MV] **cluster**
programming utilities

dendrogram, cluster subcommand, [MV] **cluster**
dendrogram

dendrogram or dendrograms, [MV] **cluster**,
 [MV] **cluster dendrogram**, [MV] **Glossary**

Dice coefficient similarity measure,
 [MV] **measure_option**

Dice, L. R., [MV] **measure_option**

Dijksterhuis, G. B., [MV] **procrustes**

dilation, [MV] **Glossary**

dimension, [MV] **Glossary**

Dinno, A., [MV] **factor**, [MV] **pca**

dir, cluster subcommand, [MV] **cluster utility**

discrim
 knn command, [MV] **discrim**, [MV] **discrim knn**
 lda command, [MV] **discrim**, [MV] **discrim lda**
 logistic command, [MV] **discrim**, [MV] **discrim**
logistic
 qda command, [MV] **discrim**, [MV] **discrim qda**

discriminant analysis, [MV] **candisc**, [MV] **discrim**,
 [MV] **discrim knn**, [MV] **discrim lda**,
 [MV] **discrim logistic**, [MV] **discrim qda**,
 [MV] **Glossary**
 loading plot, [MV] **scoreplot**
 score plot, [MV] **scoreplot**

discriminant function, [MV] **Glossary**

discriminating variables, [MV] **Glossary**

disparity, [MV] **Glossary**

dissimilarity, [MV] **Glossary**
 matrices, [MV] **matrix dissimilarity**
 measures, [MV] **cluster**, [MV] **cluster programming utilities**, [MV] **matrix dissimilarity**, [MV] **mds**, [MV] *measure_option*
 absolute value, [MV] *measure_option*
 Bray and Curtis, [MV] **clustermat**
 Canberra, [MV] *measure_option*
 Euclidean, [MV] *measure_option*
 Gower, [MV] *measure_option*
 maximum value, [MV] *measure_option*
 Minkowski, [MV] *measure_option*
 dissimilarity matrix, [MV] **Glossary**
 dissimilarity, matrix subcommand, [MV] **matrix dissimilarity**
 distance matrices, [MV] **matrix dissimilarity**
 distances, see dissimilarity measures
 distances, estat subcommand, [MV] **ca postestimation**
 distributions, testing for normality, [MV] **mvtest normality**
 divisive hierarchical clustering methods, [MV] **Glossary**
 Doornik, J. A., [MV] **mvtest**, [MV] **mvtest normality**
 Doornik–Hansen normality test, [MV] **mvtest normality**
 Driver, H. E., [MV] *measure_option*
 drop, cluster subcommand, [MV] **cluster utility**
 dual scaling, [MV] **ca**
 Dubes, R. C., [MV] **cluster**
 Duda and Hart index stopping rules, [MV] **cluster stop**
 Duda, R. O., [MV] **cluster**, [MV] **cluster stop**
 Dunn, G., [MV] **discrim**, [MV] **discrim qda postestimation**, [MV] **mca**

E

Edelsbrunner, H., [MV] **cluster**
 eigenvalues, [MV] **factor**, [MV] **factor postestimation**, [MV] **Glossary**, [MV] **pca**, [MV] **rotate**, [MV] **rotatemat**, [MV] **screplot**
 eigenvectors, [MV] **factor**, [MV] **factor postestimation**, [MV] **Glossary**, [MV] **pca**, [MV] **rotate**, [MV] **rotatemat**, [MV] **scoreplot**
 Enas, G. G., [MV] **discrim knn**
 Ender, P. B., [MV] **canon**
 equality of means tests, [MV] **hotelling**, [MV] **manova**
 equamax rotation, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 errorrate, estat subcommand, [MV] **discrim estat**, [MV] **discrim knn postestimation**, [MV] **discrim lda postestimation**, [MV] **discrim logistic postestimation**, [MV] **discrim qda postestimation**
 estat
 anova command, [MV] **discrim lda postestimation**
 anti command, [MV] **factor postestimation**, [MV] **pca postestimation**
 canontest command, [MV] **discrim lda postestimation**
 estat, *continued*
 classfunctions command, [MV] **discrim lda postestimation**
 classtable command, [MV] **discrim estat**, [MV] **discrim knn postestimation**, [MV] **discrim lda postestimation**, [MV] **discrim logistic postestimation**, [MV] **discrim qda postestimation**
 common command, [MV] **factor postestimation**
 compare command, [MV] **procrustes postestimation**
 config command, [MV] **mds postestimation**
 coordinates command, [MV] **ca postestimation**, [MV] **mca postestimation**
 correlations command, [MV] **canon postestimation**, [MV] **discrim lda postestimation**, [MV] **discrim qda postestimation**, [MV] **mds postestimation**
 covariance command, [MV] **discrim lda postestimation**, [MV] **discrim qda postestimation**
 distances command, [MV] **ca postestimation**
 errorrate command, [MV] **discrim estat**, [MV] **discrim knn postestimation**, [MV] **discrim lda postestimation**, [MV] **discrim logistic postestimation**, [MV] **discrim qda postestimation**
 factors command, [MV] **factor postestimation**
 grdistances command, [MV] **discrim lda postestimation**, [MV] **discrim qda postestimation**
 grmeans command, [MV] **discrim lda postestimation**
 grsummarize command, [MV] **discrim estat**, [MV] **discrim knn postestimation**, [MV] **discrim lda postestimation**, [MV] **discrim logistic postestimation**, [MV] **discrim qda postestimation**
 inertia command, [MV] **ca postestimation**
 kmo command, [MV] **factor postestimation**, [MV] **pca postestimation**
 list command, [MV] **discrim estat**, [MV] **discrim knn postestimation**, [MV] **discrim lda postestimation**, [MV] **discrim logistic postestimation**, [MV] **discrim qda postestimation**
 loadings command, [MV] **ca postestimation**, [MV] **canon postestimation**, [MV] **discrim lda**, [MV] **discrim lda postestimation**, [MV] **pca postestimation**
 manova command, [MV] **discrim lda postestimation**
 mvreg command, [MV] **procrustes postestimation**
 pairwise command, [MV] **mds postestimation**
 profiles command, [MV] **ca postestimation**
 quantiles command, [MV] **mds postestimation**
 residuals command, [MV] **factor postestimation**, [MV] **pca postestimation**
 rotate command, [MV] **canon postestimation**

estat, *continued*

rotatecompare command, [MV] **canon postestimation**, [MV] **factor postestimation**, [MV] **pca postestimation**
 smc command, [MV] **factor postestimation**, [MV] **pca postestimation**
 stress command, [MV] **mds postestimation**
 structure command, [MV] **discrim lda postestimation**, [MV] **factor postestimation**
 subinertia command, [MV] **mca postestimation**
 summarize command, [MV] **ca postestimation**, [MV] **discrim estat**, [MV] **discrim knn postestimation**, [MV] **discrim lda postestimation**, [MV] **discrim logistic postestimation**, [MV] **discrim qda postestimation**, [MV] **factor postestimation**, [MV] **mca postestimation**, [MV] **mds postestimation**, [MV] **pca postestimation**, [MV] **procrustes postestimation**
 table command, [MV] **ca postestimation**
 Euclidean dissimilarity measure, [MV] **measure_option**
 Euclidean distance, [MV] **Glossary**
 Everitt, B. S., [MV] **cluster**, [MV] **cluster stop**, [MV] **discrim**, [MV] **discrim qda postestimation**, [MV] **mca**, [MV] **pca**, [MV] **screepplot**

F

factor, [MV] **Glossary**
 analysis, [MV] **canon**, [MV] **factor**, [MV] **factor postestimation**, [MV] **Glossary**
 loading plot, [MV] **scoreplot**
 score plot, [MV] **scoreplot**
 scores, [MV] **factor postestimation**
 factor command, [MV] **factor**
 factor loading plot, [MV] **Glossary**
 factor loadings, [MV] **Glossary**
 factor parsimony rotation, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 factor scores, [MV] **Glossary**
 factorial design, [MV] **manova**
 factormat command, [MV] **factor**
 factors, estat subcommand, [MV] **factor postestimation**
 Falcaro, M., [MV] **cluster dendrogram**
 Ferguson, G. A., [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 Fidell, L. S., [MV] **discrim**, [MV] **discrim lda**
 Fisher, L. D., [MV] **factor**, [MV] **pca**
 Fisher, R. A., [MV] **clustermat**, [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim lda**, [MV] **Glossary**
 Fix, E., [MV] **discrim knn**
 Friedman, J., [MV] **discrim knn**
 Fuller, W. A., [MV] **factor**

functions, cluster generate, adding, [MV] **cluster programming subroutines**

G

Gabriel, K. R., [MV] **biplot**
 generate, cluster subcommand, [MV] **cluster generate**
 generate functions, adding, [MV] **cluster programming subroutines**
 Gifi, A., [MV] **mds**
 Gilbert, G. K., [MV] **measure_option**
 Girshick, M. A., [MV] **pca**
 Gnanadesikan, R., [MV] **manova**
 Gordon, A. D., [MV] **biplot**, [MV] **cluster**, [MV] **cluster stop**, [MV] **measure_option**
 Gorsuch, R. L., [MV] **factor**, [MV] **rotate**, [MV] **rotatemat**
 Gower coefficient similarity measure, [MV] **measure_option**
 Gower, J. C., [MV] **biplot**, [MV] **ca**, [MV] **mca**, [MV] **measure_option**, [MV] **procrustes**
 graphs,
 biplot, [MV] **biplot**, [MV] **ca postestimation**
 CA dimension projection, [MV] **ca postestimation**
 cluster tree, see graphs, dendrogram
 dendrogram, [MV] **cluster dendrogram**, [MV] **cluster generate**, [MV] **cluster linkage**, [MV] **cluster stop**, [MV] **clustermat**
 eigenvalue
 after discrim lda, [MV] **discrim lda postestimation**, [MV] **screepplot**
 after factor, [MV] **factor postestimation**, [MV] **screepplot**
 after manova, [MV] **screepplot**
 after mca, [MV] **screepplot**
 after mds, [MV] **screepplot**
 after pca, [MV] **pca postestimation**, [MV] **screepplot**
 loading
 after candisc, [MV] **scoreplot**; [MV] **candisc**
 after discrim lda, [MV] **scoreplot**; [MV] **discrim lda**, [MV] **discrim lda postestimation**
 after factor, [MV] **scoreplot**; [MV] **factor postestimation**
 after pca, [MV] **scoreplot**; [MV] **pca postestimation**
 MDS configuration, [MV] **mds postestimation**
 procrustes overlay, [MV] **procrustes postestimation**
 score
 after candisc, [MV] **scoreplot**; [MV] **candisc**
 after discrim lda, [MV] **scoreplot**; [MV] **discrim lda**, [MV] **discrim lda postestimation**
 after factor, [MV] **scoreplot**; [MV] **factor postestimation**
 after pca, [MV] **scoreplot**

graphs, *continued*

scree
 after canon, [MV] **screeplot**
 after ca, [MV] **screeplot**
 after **discrim lda**, [MV] **discrim lda postestimation**, [MV] **screeplot**
 after factor, [MV] **factor postestimation**, [MV] **screeplot**
 after manova, [MV] **screeplot**
 after mca, [MV] **screeplot**
 after mds, [MV] **screeplot**
 after pca, [MV] **pca postestimation**, [MV] **screeplot**
 Shepard diagram, [MV] **mds postestimation**
 grdistances, estat subcommand, [MV] **discrim lda postestimation**, [MV] **discrim qda postestimation**
 Green, B. F., [MV] **discrim lda**, [MV] **procrustes**
 Green, P. E., [MV] **cluster**
 Greenacre, M. J., [MV] **ca**, [MV] **mca**, [MV] **mca postestimation**
 Greenfield, S., [MV] **factor**, [MV] **factor postestimation**
 grmeans, estat subcommand, [MV] **discrim lda postestimation**
 Groenen, P. J. F., [MV] **mds**, [MV] **mds postestimation**, [MV] **mdslong**, [MV] **mdsmat**
 grouping variables, generating, [MV] **cluster generate**
 grsummarize, estat subcommand, [MV] **discrim estat**, [MV] **discrim knn postestimation**, [MV] **discrim lda postestimation**, [MV] **discrim logistic postestimation**, [MV] **discrim qda postestimation**

H

Hall, W. J., [MV] **biplot**
 Hamann coefficient similarity measure, [MV] **measure_option**
 Hamann, U., [MV] **measure_option**
 Hamer, R. M., [MV] **mds**, [MV] **mdslong**, [MV] **mdsmat**
 Hamilton, L. C., [MV] **factor**, [MV] **screeplot**
 Hand, D. J., [MV] **biplot**, [MV] **ca**, [MV] **discrim**, [MV] **mca**
 Hannachi, A., [MV] **pca**
 Hansen, H., [MV] **mvtest**, [MV] **mvtest normality**
 Harabasz, J., [MV] **cluster**, [MV] **cluster stop**
 Harman, H. H., [MV] **factor**, [MV] **factor postestimation**, [MV] **rotate**, [MV] **rotatemat**
 Harris, E. K., [MV] **discrim**, [MV] **discrim logistic**
 Harris, R. J., [MV] **canon postestimation**
 Hart, P. E., [MV] **cluster**, [MV] **cluster stop**
 Hastie, T., [MV] **discrim knn**
 Heagerty, P. J., [MV] **factor**, [MV] **pca**
 Hendrickson, A. E., [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 Henze, N., [MV] **mvtest**, [MV] **mvtest normality**
 Henze-Zirkler normality test, [MV] **mvtest normality**

Herzberg, A. M., [MV] **discrim lda postestimation**, [MV] **discrim qda**, [MV] **discrim qda postestimation**, [MV] **manova**
 Heywood case, [MV] **Glossary**
 Heywood solution, [MV] **Glossary**
 hierarchical cluster analysis, [MV] **cluster**, [MV] **cluster linkage**, [MV] **clustermat**
 hierarchical clustering, [MV] **Glossary**
 Hilbe, J. M., [MV] **discrim lda**, [MV] **manova**, [MV] **measure_option**
 Hilferty, M. M., [MV] **mvtest normality**
 Hodges, J. L., [MV] **discrim knn**
 Horst normalization, see Kaiser normalization
 Horst, P., [MV] **factor postestimation**, [MV] **rotate**, [MV] **rotatemat**
 hotelling command, [MV] **hotelling**
 Hotelling, H., [MV] **canon**, [MV] **hotelling**, [MV] **manova**, [MV] **pca**
 Hotelling's
 generalized *T*-squared statistic, [MV] **manova**
 T-squared, [MV] **Glossary**, [MV] **hotelling**, [MV] **mvtest means**
 Householder, A. S., [MV] **mds**, [MV] **mdslong**, [MV] **mdsmat**
 Hoşten, S., [MV] **mvtest means**
 Hubálek, Z., [MV] **measure_option**
 Huberty, C. J., [MV] **candisc**, [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim lda**, [MV] **discrim lda postestimation**, [MV] **discrim qda**
 Hughes, J. B., [MV] **manova**
 Hurley, J. R., [MV] **procrustes**

I

index, stopping rules, see stopping rules
 inertia, [MV] **Glossary**
 inertia, estat subcommand, [MV] **ca postestimation**
 ISSP, [MV] **ca**, [MV] **mca**, [MV] **mca postestimation**
 iterated principal-factor method, [MV] **factor**, [MV] **Glossary**

J

Jaccard coefficient similarity measure, [MV] **measure_option**
 Jaccard, P., [MV] **measure_option**
 Jackson, J. E., [MV] **pca**, [MV] **pca postestimation**
 Jacoby, W. G., [MV] **biplot**
 Jain, A. K., [MV] **cluster**
 James, G. S., [MV] **mvtest**, [MV] **mvtest means**
 JCA, [MV] **Glossary**
 Jennrich, R. I., [MV] **Glossary**, [MV] **mvtest**, [MV] **mvtest correlations**, [MV] **rotate**, [MV] **rotatemat**
 Jensen, A. R., [MV] **rotate**
 Jensen, D. R., [MV] **mvtest**, [MV] **mvtest means**
 Johnson, D. E., [MV] **manova**

Johnson, R. A., [MV] **canon**, [MV] **discrim**,
[MV] **discrim estat**, [MV] **discrim lda**,
[MV] **discrim lda postestimation**, [MV] **mvtest**,
[MV] **mvtest correlations**, [MV] **mvtest**
covariances, [MV] **mvtest means**
joint correspondence analysis, [MV] **Glossary**
Jolliffe, I. T., [MV] **biplot**, [MV] **pca**
Jöreskog, K. G., [MV] **factor postestimation**

K

Kaiser, H. F., [MV] **factor postestimation**,
[MV] **Glossary**, [MV] **pca postestimation**,
[MV] **rotate**, [MV] **rotatemat**
Kaiser–Meyer–Olkin sampling adequacy, [MV] **factor**
postestimation, [MV] **Glossary**, [MV] **pca**
postestimation
Kaiser normalization, [MV] **factor postestimation**,
[MV] **pca postestimation**, [MV] **rotate**,
[MV] **rotatemat**
Kaufman, L.,
[MV] **cluster**, [MV] **clustermat**, [MV] **matrix**
dissimilarity, [MV] **measure_option**
Kendall, D. G., [MV] **mds**
Kendall, M. G., [MV] **measure_option**
Kent, J. T., [MV] **discrim**, [MV] **discrim lda**,
[MV] **factor**, [MV] **manova**, [MV] **matrix**
dissimilarity, [MV] **mds**, [MV] **mds**
postestimation, [MV] **mdslong**, [MV] **mdsmat**,
[MV] **mvtest**, [MV] **mvtest means**, [MV] **mvtest**
normality, [MV] **pca**, [MV] **procrustes**
Kim, J. O., [MV] **factor**
Kimbrough, J. W., [MV] **discrim knn**
Klecka, W. R., [MV] **discrim**, [MV] **discrim lda**
kmeans, [MV] **Glossary**
kmeans, cluster subcommand, [MV] **cluster kmeans**
and kmedians
kmeans clustering, [MV] **cluster**, [MV] **cluster kmeans**
and kmedians
kmedians, [MV] **Glossary**
kmedians, cluster subcommand, [MV] **cluster**
kmeans and kmedians
kmedians clustering, [MV] **cluster**, [MV] **cluster**
kmeans and kmedians
KMO, [MV] **Glossary**
kmo, estat subcommand, [MV] **factor postestimation**,
[MV] **pca postestimation**
KNN, [MV] **Glossary**
knn, discrim subcommand, [MV] **discrim knn**
Kohler, U., [MV] **biplot**
Kolenikov, S., [MV] **factor**
Korin, B. P., [MV] **mvtest**
Kramer, C. Y., [MV] **mvtest**, [MV] **mvtest means**
Krishnaiah, P. R., [MV] **mvtest**
Krishnamoorthy, K., [MV] **mvtest**, [MV] **mvtest means**
Kroeber, A. L., [MV] **measure_option**
Krus, D. J., [MV] **canon postestimation**

Kruskal, J. B., [MV] **Glossary**, [MV] **mds**, [MV] **mds**
postestimation, [MV] **mdslong**, [MV] **mdsmat**
Kruskal stress, [MV] **Glossary**, [MV] **mds**
postestimation
Kshirsagar, A. M., [MV] **discrim lda**, [MV] **pca**
k_{th}-nearest neighbor, [MV] **discrim knn**,
[MV] **Glossary**
Kulczynski coefficient similarity measure,
[MV] **measure_option**
Kulczynski, S., [MV] **measure_option**
kurtosis, [MV] **mvtest normality**

L

Lachenbruch, P. A., [MV] **discrim**, [MV] **discrim estat**,
[MV] **discrim lda**
Lance and Williams' formula, [MV] **cluster**
Lance, G. N., [MV] **cluster**
Landau, S., [MV] **cluster**, [MV] **cluster stop**
Latin square designs, [MV] **manova**
Lawley, D. N., [MV] **canon**, [MV] **factor**, [MV] **factor**
postestimation, [MV] **manova**, [MV] **mvtest**,
[MV] **mvtest correlations**, [MV] **pca**
Lawley–Hotelling trace statistic, [MV] **canon**,
[MV] **Glossary**, [MV] **manova**, [MV] **mvtest**
means
LDA, [MV] **discrim lda**, [MV] **Glossary**
lda, discrim subcommand, [MV] **discrim lda**
Lee, J. C., [MV] **mvtest**
Leese, M., [MV] **cluster**, [MV] **cluster stop**
Lesaffre, E., [MV] **discrim logistic**
Lincoff, G. H., [MV] **discrim knn**
linear discriminant analysis, [MV] **candisc**,
[MV] **discrim lda**, [MV] **Glossary**
Lingoes, J. C., [MV] **mds**, [MV] **mdslong**,
[MV] **mdsmat**
linkage, [MV] **Glossary**
list,
cluster subcommand, [MV] **cluster utility**
estat subcommand, [MV] **discrim estat**,
[MV] **discrim knn postestimation**,
[MV] **discrim lda postestimation**, [MV] **discrim**
logistic postestimation, [MV] **discrim qda**
postestimation
loading, [MV] **Glossary**
loading plot, [MV] **Glossary**, [MV] **scoreplot**
loadingplot command, [MV] **discrim lda**
postestimation, [MV] **factor postestimation**,
[MV] **pca postestimation**, [MV] **scoreplot**
loadings, estat subcommand, [MV] **ca**
postestimation, [MV] **canon postestimation**,
[MV] **discrim lda**, [MV] **discrim lda**
postestimation, [MV] **pca postestimation**
Loftsgaarden, D. O., [MV] **discrim knn**
logistic, discrim subcommand, [MV] **discrim**
logistic
logistic discriminant analysis, [MV] **discrim logistic**,
[MV] **Glossary**
LOO, [MV] **Glossary**

loss, [MV] **Glossary**
 Luckman, B., [MV] **screeplot**
 Lumley, T. S., [MV] **factor**, [MV] **pca**
 Luniak, M., [MV] **biplot**
 Lurie, M. B., [MV] **manova**

M

Mahalanobis distance, [MV] **Glossary**
 Mahalanobis, P. C., [MV] **discrim lda**, [MV] **Glossary**, [MV] **hotelling**
 Mahalanobis transformation, [MV] **Glossary**
 main effects, [MV] **manova**
 MANCOVA, [MV] **Glossary**, [MV] **manova**
 Manly, B. F. J., [MV] **discrim qda postestimation**
 MANOVA, [MV] **Glossary**, [MV] **manova**
 manova command, [MV] **manova**
 manova, estat subcommand, [MV] **discrim lda postestimation**
 manovatest command, [MV] **manova postestimation**
 Mardia, K. V., [MV] **discrim**, [MV] **discrim lda**, [MV] **factor**, [MV] **manova**, [MV] **matrix dissimilarity**, [MV] **mds**, [MV] **mds postestimation**, [MV] **mdslong**, [MV] **mdsmat**, [MV] **mvtest**, [MV] **mvtest means**, [MV] **mvtest normality**, [MV] **pca**, [MV] **procrustes**
 mass, [MV] **Glossary**
 matching coefficient, [MV] **Glossary**
 matching coefficient similarity measure, [MV] **measure_option**
 matching configuration, [MV] **Glossary**
 matrices,
 correlation, [MV] **pca**
 covariance, [MV] **pca**
 dissimilarity, [MV] **Glossary**, [MV] **matrix dissimilarity**
 distances, [MV] **matrix dissimilarity**
 similarity, [MV] **matrix dissimilarity**
 matrix dissimilarity command, [MV] **matrix dissimilarity**
 maximum likelihood estimation, [MV] **factor**
 maximum likelihood factor method, [MV] **Glossary**
 maximum value dissimilarity measure, [MV] **measure_option**
 Maxwell, A. E., [MV] **factor**, [MV] **factor postestimation**
 MCA, [MV] **Glossary**
 mca command, [MV] **mca**
 mcaplot command, [MV] **mca postestimation**
 mcaprojection command, [MV] **mca postestimation**
 McLachlan, G. J., [MV] **discrim**, [MV] **discrim estat**, [MV] **discrim knn**, [MV] **discrim lda**
 MDS, [MV] **Glossary**
 mds command, [MV] **mds**
 MDS configuration plot, [MV] **Glossary**
 mdsconfig command, [MV] **mds postestimation**; [MV] **mds**
 mdslong command, [MV] **mdslong**
 mdsmat command, [MV] **mdsmat**
 mdssh Shepard command, [MV] **mds postestimation**
 means, mvtest subcommand, [MV] **mvtest means**
 means, testing equality, [MV] **hotelling**, [MV] **manova**, [MV] **mvtest means**
 measure, [MV] **Glossary**
 measures, cluster subcommand, [MV] **cluster programming utilities**
 medianlinkage,
 cluster subcommand, [MV] **cluster linkage**
 clustermat subcommand, [MV] **cluster linkage**
 median-linkage clustering, [MV] **cluster**, [MV] **cluster linkage**, [MV] **clustermat**, [MV] **Glossary**
 metric scaling, [MV] **Glossary**
 Michener, C. D., [MV] **measure_option**
 Mickey, M. R., [MV] **discrim estat**
 Milan, L., [MV] **ca**, [MV] **factor**, [MV] **mca**, [MV] **pca**
 Milligan, G. W., [MV] **cluster**, [MV] **cluster programming subroutines**, [MV] **cluster stop**
 Milliken, G. A., [MV] **manova**
 minimum entropy rotation, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 Minkowski dissimilarity measure, [MV] **measure_option**
 misclassification rate, [MV] **Glossary**
 mixed designs, [MV] **manova**
 modern scaling, [MV] **Glossary**
 Monshouwer, K., [MV] **mvtest**
 Morrison, D. F., [MV] **clustermat**, [MV] **discrim lda**, [MV] **discrim logistic**, [MV] **discrim logistic postestimation**, [MV] **manova**
 Mosier, C. I., [MV] **procrustes**
 Mueller, C. W., [MV] **factor**
 Mueller, R. O., [MV] **discrim lda**
 Muirhead, R. J., [MV] **pca**
 Mulaik, S. A., [MV] **factor**, [MV] **rotate**
 multidimensional scaling, [MV] **Glossary**, [MV] **mds**, [MV] **mds postestimation**, [MV] **mdslong**, [MV] **mdsmat**
 multiple correspondence analysis, [MV] **Glossary**
 multivariate analysis, [MV] **canon**, [MV] **hotelling**, [MV] **mvtest**
 of covariance, [MV] **manova**
 of variance, [MV] **manova**
 multivariate Behrens–Fisher problem, [MV] **mvtest means**
 multivariate kurtosis, [MV] **mvtest normality**
 multivariate normal, [MV] **mvtest normality**
 multivariate regression, [MV] **Glossary**
 multivariate skewness, [MV] **mvtest normality**
 Murrill, W. A., [MV] **discrim knn**
 mvreg, estat subcommand, [MV] **procrustes postestimation**
 mvtest, [MV] **mvtest**
 correlations command, [MV] **mvtest correlations**

mvtest, *continued*
 covariances command, [MV] **mvtest covariances**
 means command, [MV] **mvtest means**
 normality command, [MV] **mvtest normality**

N

Nagel, R., [MV] **discrim lda**
 nearest neighbor, [MV] **discrim knn**, [MV] **Glossary**
 Neimann, H., [MV] **mdsmat**
 Nel, D. G., [MV] **mvtest**, [MV] **mvtest means**
 Nelson, E. C., [MV] **factor**, [MV] **factor postestimation**
 Nelson, W. C., [MV] **mvtest correlations**
 nested
 designs, [MV] **manova**
 effects, [MV] **manova**
 Nevels, K., [MV] **procrustes**
 nonmetric scaling, [MV] **Glossary**
 nonparametric methods, [MV] **Glossary**
 Nordlund, D. J., [MV] **discrim lda**
 normality, *mvtest* subcommand, [MV] **mvtest normality**
 normalization, [MV] **Glossary**
 notes, cluster analysis, [MV] **cluster notes**
 notes, cluster subcommand, [MV] **cluster notes**
N-way multivariate analysis of variance, [MV] **manova**

O

oblmax rotation, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 oblimin rotation, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 oblique rotation, [MV] **factor postestimation**, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 oblique transformation, see oblique rotation
 Ochiai, A., [MV] **measure_option**
 Ochiai coefficient similarity measure, [MV] **measure_option**
 Odum, E. P., [MV] **clustermat**
 Olkin, I., [MV] **hotelling**
 ordination, [MV] **Glossary**
 orthogonal rotation, [MV] **factor postestimation**, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 orthogonal transformation, see orthogonal rotation

P

pairwise comparisons, [MV] **intro**
 pairwise, *estat* subcommand, [MV] **mds postestimation**
 parametric methods, [MV] **Glossary**
parsedistance, cluster subcommand, [MV] **cluster programming utilities**
 parsimax rotation, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**

partially specified target rotation, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 partition cluster-analysis methods, [MV] **cluster kmeans and kmedians**, [MV] **Glossary**
 partition clustering, see partition cluster-analysis methods
 PCA, [MV] **Glossary**
pca command, [MV] **pca**
pcamat command, [MV] **pca**
 Pearson coefficient similarity measure, [MV] **measure_option**
 Pearson, K., [MV] **mds**, [MV] **measure_option**, [MV] **pca**
 Peen, C., [MV] **procrustes**
 Perrin, E., [MV] **factor**, [MV] **factor postestimation**
 Pickles, A., [MV] **cluster dendrogram**
 Pillai, K. C. S., [MV] **canon**, [MV] **manova**
 Pillai's trace statistic, [MV] **canon**, [MV] **Glossary**, [MV] **manova**, [MV] **mvtest means**
 posterior probabilities, [MV] **Glossary**
predict command, [MV] **factor postestimation**, [MV] **pca postestimation**
 principal
 component analysis, [MV] **Glossary**, [MV] **pca factors analysis**, [MV] **factor**
 prior probabilities, [MV] **Glossary**
procoverlay command, [MV] **procrustes postestimation**
procrustes command, [MV] **procrustes**
 Procrustes rotation, [MV] **Glossary**, [MV] **procrustes**
 Procrustes transformation, see Procrustes rotation
 profiles, *estat* subcommand, [MV] **ca postestimation**
 programming
 cluster subcommands, [MV] **cluster programming subroutines**
 cluster utilities, [MV] **cluster programming subroutines**
 rotations, [MV] **rotate**
 programming, cluster analysis, [MV] **cluster programming utilities**
 promax rotation, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 proximity, [MV] **Glossary**

Q

QDA, [MV] **discrim qda**, [MV] **Glossary**
qda, *discrim* subcommand, [MV] **discrim qda**
 quadratic discriminant analysis, [MV] **discrim qda**, [MV] **Glossary**
 quantiles, *estat* subcommand, [MV] **mds postestimation**
 quartimax rotation, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 quartimin rotation, [MV] **Glossary**, [MV] **rotate**, [MV] **rotatemat**
 query, cluster subcommand, [MV] **cluster programming utilities**

Quesenberry, C. P., [MV] **discrim knn**

R

Rabe-Hesketh, S., [MV] **pca**, [MV] **screepplot**

Raciborski, R., [MV] **cluster**

Rao, C. R., [MV] **factor**, [MV] **hotelling**,
[MV] **manova**

Rao, T. R., [MV] **measure_option**

Rao's canonical-factor method, [MV] **factor**

reciprocal averaging, [MV] **ca**

reconstructed correlations, [MV] **factor postestimation**

reflection, [MV] **Glossary**

regression scoring, [MV] **factor postestimation**

Reinfurt, K. H., [MV] **mvtest correlations**

reliability, [MV] **factor**

rename, cluster subcommand, [MV] **cluster utility**

renamevar, cluster subcommand, [MV] **cluster utility**

Rencher, A. C., [MV] **biplot**, [MV] **ca**, [MV] **candisc**,
[MV] **canon**, [MV] **canon postestimation**,
[MV] **cluster**, [MV] **discrim**, [MV] **discrim estat**,
[MV] **discrim knn**, [MV] **discrim lda**,
[MV] **discrim lda postestimation**, [MV] **discrim logistic**,
[MV] **discrim qda**, [MV] **discrim qda postestimation**,
[MV] **factor**, [MV] **manova**, [MV] **mca**,
[MV] **mvtest**, [MV] **mvtest correlations**,
[MV] **mvtest covariances**, [MV] **mvtest means**,
[MV] **mvtest normality**, [MV] **pca**, [MV] **screepplot**

repeated measures, [MV] **Glossary**

repeated measures MANOVA, [MV] **manova**

residuals, estat subcommand, [MV] **factor postestimation**,
[MV] **pca postestimation**

Richards, D. S. P., [MV] **mvtest means**

Rogers and Tanimoto similarity measure,
[MV] **measure_option**

Rogers, D. J., [MV] **measure_option**

Rohlf, F. J., [MV] **cluster**, [MV] **measure_option**

Romney, A. K., [MV] **ca**

Rose, D. W., [MV] **discrim knn**

rotate command, [MV] **rotate**; [MV] **factor postestimation**,
[MV] **pca postestimation**

rotate, estat subcommand, [MV] **canon postestimation**

rotatecompare, estat subcommand, [MV] **canon postestimation**,
[MV] **factor postestimation**, [MV] **pca postestimation**

rotated factor loadings, [MV] **factor postestimation**

rotated principal components, [MV] **pca postestimation**

rotatemat command, [MV] **rotatemat**

rotation, [MV] **factor postestimation**, [MV] **Glossary**,
[MV] **pca postestimation**, [MV] **rotate**,
[MV] **rotatemat**

Bentler's invariant pattern simplicity, see Bentler's invariant pattern simplicity rotation

biquartimax, see biquartimax rotation

biquartimin, see biquartimin rotation

rotation, *continued*

Comrey's tandem 1, see Comrey's tandem 1 and 2 rotations

Comrey's tandem 2, see Comrey's tandem 1 and 2 rotations

covarimin, see covarimin rotation

Crawford-Ferguson, see Crawford-Ferguson rotation

equamax, see equamax rotation

factor parsimony, see factor parsimony rotation

minimum entropy, see minimum entropy rotation

oblimax, see oblimax rotation

oblimin, see oblimin rotation

oblique, see oblique rotation

orthogonal, see orthogonal rotation

parsimax, see parsimax rotation

partially specified target, see partially specified target rotation

Procrustes, see Procrustes rotation

promax, see promax rotation

quartimax, see quartimax rotation

quartimin, see quartimin rotation

toward a target, see toward a target rotation

varimax, see varimax rotation

Rothkopf, E. Z., [MV] **mdslong**

Rousseuw, P. J.,

[MV] **cluster**, [MV] **clustermat**, [MV] **matrix dissimilarity**, [MV] **measure_option**

Roy, S. N., [MV] **canon**, [MV] **manova**

Roy's

largest root test, [MV] **canon**, [MV] **Glossary**,
[MV] **manova**, [MV] **mvtest means**

union-intersection test, [MV] **canon**, [MV] **manova**,
[MV] **mvtest means**

Russell and Rao coefficient similarity measure,
[MV] **measure_option**

Russell, P. F., [MV] **measure_option**

S

Sammon, J. W., Jr., [MV] **Glossary**, [MV] **mds**,
[MV] **mdslong**, [MV] **mdsmat**

Sammon mapping criterion, [MV] **Glossary**

Sampson, A. R., [MV] **hotelling**

scaling, [MV] **mds**, [MV] **mds postestimation**,
[MV] **mdslong**, [MV] **mdsmat**

Schaffer, C. M., [MV] **cluster**

Schwarz, G., [MV] **factor postestimation**

score, [MV] **Glossary**

score plot, [MV] **Glossary**, [MV] **scoreplot**

scoreplot command, [MV] **discrim lda postestimation**,
[MV] **factor postestimation**, [MV] **pca postestimation**,
[MV] **scoreplot**

scoring, [MV] **factor postestimation**, [MV] **pca postestimation**

screep plot, [MV] **Glossary**, [MV] **screepplot**

screepplot command, [MV] **discrim lda postestimation**,
[MV] **factor postestimation**, [MV] **mca postestimation**,
[MV] **pca postestimation**, [MV] **screepplot**

- Seber, G. A. F., [MV] **biplot**, [MV] **manova**,
[MV] **mvtest**, [MV] **mvtest means**, [MV] **mvtest
normality**
- SEM, [MV] **intro**
- set, **cluster** subcommand, [MV] **cluster
programming utilities**
- Shepard
 diagram, [MV] **Glossary**, [MV] **mds postestimation
plot**, [MV] **mds postestimation**
- Sibson, R., [MV] **cluster**
- similarity, [MV] **Glossary**
 matrices, [MV] **matrix dissimilarity**
 measures, [MV] **cluster**, [MV] **cluster
programming utilities**, [MV] **matrix
dissimilarity**, [MV] **measure_option**
 Anderberg coefficient, [MV] **measure_option**
 angular, [MV] **measure_option**
 correlation, [MV] **measure_option**
 Dice coefficient, [MV] **measure_option**
 Gower coefficient, [MV] **measure_option**
 Hamann coefficient, [MV] **measure_option**
 Jaccard coefficient, [MV] **measure_option**
 Kulczynski coefficient, [MV] **measure_option**
 matching coefficient, [MV] **measure_option**
 Ochiai coefficient, [MV] **measure_option**
 Pearson coefficient, [MV] **measure_option**
 Rogers and Tanimoto coefficient,
 [MV] **measure_option**
 Russell and Rao coefficient,
 [MV] **measure_option**
 Sneath and Sokal coefficient,
 [MV] **measure_option**
 Yule coefficient, [MV] **measure_option**
- singlelinkage,
 cluster subcommand, [MV] **cluster linkage**
 clustermat subcommand, [MV] **cluster linkage**
- single-linkage clustering, [MV] **cluster**, [MV] **cluster
linkage**, [MV] **clustermat**, [MV] **Glossary**
- singular value decomposition, [MV] **Glossary**
- skewness, [MV] **mvtest normality**
- smc, **estat** subcommand, [MV] **factor postestimation**,
[MV] **pca postestimation**
- Smith, C. A. B., [MV] **discrim estat**, [MV] **discrim
qda**
- Smith, H., [MV] **manova**
- Smith-Vikos, T., [MV] **discrim knn**
- Smullyan, R., [MV] **mds**
- Sneath and Sokal coefficient similarity measure,
[MV] **measure_option**
- Sneath, P. H. A., [MV] **measure_option**
- Sokal, R. R., [MV] **measure_option**
- Sörbom, D., [MV] **factor postestimation**
- Sørensen, T., [MV] **measure_option**
- Späth, H., [MV] **cluster**
- Spearman, C., [MV] **factor**
- specificity, [MV] **factor**
- spherical covariance, [MV] **mvtest covariances**
- sphericity, [MV] **Glossary**
- split-plot designs, [MV] **manova**
- squared multiple correlations, [MV] **factor
postestimation**
- SSCP matrix, [MV] **Glossary**
- stacked variables, [MV] **Glossary**
- stacking variables, [MV] **Glossary**
- Stahl, D., [MV] **cluster**, [MV] **cluster stop**
- standardized data, [MV] **Glossary**
- Stephenson, D. B., [MV] **pca**
- Stevens, E. H., [MV] **mvtest**
- stop,
 cluster subcommand, [MV] **cluster stop**
 clustermat subcommand, [MV] **cluster stop**
- stopping rules, [MV] **Glossary**
 adding, [MV] **cluster programming subroutines**
 Caliński and Harabasz index, [MV] **cluster**,
 [MV] **cluster stop**
 Duda and Hart index, [MV] **cluster**, [MV] **cluster
stop**
 stepsize, [MV] **cluster programming subroutines**
- Stork, D. G., [MV] **cluster**, [MV] **cluster stop**
- stress, [MV] **Glossary**, [MV] **mds postestimation**
- stress, **estat** subcommand, [MV] **mds
postestimation**
- structural equation modeling, [MV] **intro**
- structure, [MV] **Glossary**
- structure, **estat** subcommand, [MV] **discrim lda
postestimation**, [MV] **factor postestimation**
- subinertia, **estat** subcommand, [MV] **mca
postestimation**
- subroutines, adding, [MV] **cluster programming
utilities**
- summarize, **estat** subcommand, [MV] **ca
postestimation**, [MV] **discrim estat**,
[MV] **discrim knn postestimation**,
[MV] **discrim lda postestimation**, [MV] **discrim
logistic postestimation**, [MV] **discrim qda
postestimation**, [MV] **factor postestimation**,
[MV] **mca postestimation**, [MV] **mds
postestimation**, [MV] **pca postestimation**,
[MV] **procrustes postestimation**
- summary variables, generating, [MV] **cluster generate**
- supplementary rows or columns, [MV] **Glossary**
- supplementary variables, [MV] **Glossary**
- SVD, [MV] **Glossary**

T

- Tabachnick, B. G., [MV] **discrim**, [MV] **discrim lda**
- table, **estat** subcommand, [MV] **ca postestimation**
- Tanimoto, T. T., [MV] **measure_option**
- target rotation, [MV] **Glossary**, [MV] **procrustes**,
[MV] **rotate**, [MV] **rotatemat**
- Tarlov, A. R., [MV] **factor**, [MV] **factor postestimation**
- taxonomy, [MV] **Glossary**
- ten Berge, J. M. F., [MV] **procrustes**
- ter Bogt, T., [MV] **mvtest**

tests

multivariate, [MV] **mvtest**
 normality, [MV] **mvtest normality**
 variance-comparison, [MV] **mvtest covariances**
 tetrachoric correlation, [MV] **Glossary**
 Thompson, B., [MV] **canon postestimation**
 Thomson, G. H., [MV] **factor postestimation**,
 [MV] **Glossary**
 Thomson scoring, [MV] **factor postestimation**
 Thurstone, L. L., [MV] **rotate**
 Tibshirani, R. J., [MV] **discrim knn**
 ties, [MV] **Glossary**
 Timm, N. H., [MV] **manova**
 Torgerson, W. S., [MV] **mds**, [MV] **mdslong**,
 [MV] **mdsmat**
 total inertia, [MV] **Glossary**
 total principal inertia, [MV] **Glossary**
 toward a target rotation, [MV] **procrustes**, [MV] **rotate**,
 [MV] **rotatemat**
 transformation, [MV] **procrustes**
 trees, [MV] **cluster**, [MV] **cluster dendrogram**
 Trewn, J., [MV] **mds**
 ttest command, [MV] **hotelling**
 two-way multivariate analysis of variance,
 [MV] **manova**
 Tyler, D. E., [MV] **pca**

U

uniqueness, [MV] **Glossary**
 unrestricted transformation, [MV] **Glossary**
 use, **cluster** subcommand, [MV] **cluster utility**
 utilities, programming, [MV] **cluster utility**

V

van Belle, G., [MV] **factor**, [MV] **pca**
 van der Ende, J., [MV] **mvtest**
 Van der Heijden, P. G. M., [MV] **ca postestimation**
 Van der Merwe, C. A., [MV] **mvtest**, [MV] **mvtest**
means
 van Dorsselaer, S., [MV] **mvtest**
 Van Kerm, P., [MV] **ca**
 variables, generate, summary, or grouping, [MV] **cluster**
generate
 variance analysis, [MV] **manova**
 varimax rotation, [MV] **Glossary**, [MV] **rotate**,
 [MV] **rotatemat**
 Verdurmen, J., [MV] **mvtest**
 Vollebergh, W. A. M., [MV] **mvtest**

W

Wagner, T., [MV] **mvtest**
 Ward, J. H., Jr., [MV] **cluster**

wardslinkage,
cluster subcommand, [MV] **cluster linkage**
clustermat subcommand, [MV] **cluster linkage**
 Ward's linkage clustering, [MV] **cluster**, [MV] **cluster**
linkage, [MV] **clustermat**, [MV] **Glossary**
 Ward's method clustering, [MV] **cluster**,
 [MV] **clustermat**
 Ware, J. E., Jr., [MV] **factor**, [MV] **factor**
postestimation
waveragelinkage,
cluster subcommand, [MV] **cluster linkage**
clustermat subcommand, [MV] **cluster linkage**
 Weesie, J., [MV] **ca postestimation**, [MV] **pca**
 weighted-average linkage clustering, [MV] **cluster**,
 [MV] **cluster linkage**, [MV] **clustermat**,
 [MV] **Glossary**
 Weiss, J., [MV] **mdsmat**
 Weller, S. C., [MV] **ca**
 White, P. O., [MV] **Glossary**, [MV] **rotate**,
 [MV] **rotatemat**
 Whittaker, J., [MV] **ca**, [MV] **factor**, [MV] **mca**,
 [MV] **pca**
 Wichern, D. W., [MV] **canon**, [MV] **discrim**,
 [MV] **discrim estat**, [MV] **discrim lda**,
 [MV] **discrim lda postestimation**, [MV] **mvtest**,
 [MV] **mvtest correlations**, [MV] **mvtest**
covariances, [MV] **mvtest means**

Wilks'

lambda, [MV] **canon**, [MV] **Glossary**,
 [MV] **manova**, [MV] **mvtest means**
 likelihood-ratio test, [MV] **canon**, [MV] **manova**,
 [MV] **mvtest means**
 Wilks, S. S., [MV] **canon**, [MV] **hotelling**,
 [MV] **manova**
 Williams, B. K., [MV] **discrim lda**
 Williams, W. T., [MV] **cluster**
 Wilson, E. B., [MV] **mvtest normality**
 Wilson, M., [MV] **rotate**
 Wish, M., [MV] **mds**, [MV] **mdslong**, [MV] **mdsmat**
 Wishart distribution, [MV] **Glossary**
 within matrix, [MV] **Glossary**
 Woodard, D. E., [MV] **manova**

Y

Yang, K., [MV] **mds**
 Young, F. W., [MV] **mds**, [MV] **mdslong**,
 [MV] **mdsmat**
 Young, G., [MV] **mds**, [MV] **mdslong**, [MV] **mdsmat**
 Yu, J., [MV] **mvtest**, [MV] **mvtest means**
 Yule coefficient similarity measure,
 [MV] **measure_option**
 Yule, G. U., [MV] **measure_option**

Z

Zappasodi, P., [MV] **manova**
 Zirkler, B., [MV] **mvtest**, [MV] **mvtest normality**

Zubin, J., [MV] *measure_option*

Zubkoff, M., [MV] **factor**, [MV] **factor postestimation**