



Main research question	CAN DIFFERENT OBJECTS BE GROUPED INTO HOMOGENEOUS GROUPS (CLUSTERS)?
EXAMPLE	FORMATION OF PERSONALITY TYPES BASED ON PSYCHOGRAPHIC CHARACTERISTICS.
Type of analysis	Structure-Discovering method
MEASUREMENT LEVEL	ALL TYPES OF SCALE LEVELS (NOMINAL, ORDINAL, METRIC)
OF THE VARIABLES	(NO DISTINCTION BETWEEN DEPENDENT AND INDEPENDENT VARIABLES)
RECOMMENDATIONS	 IN A FIRST STEP, APPLY THE SINGLE-LINKAGE METHOD (NEAREST NEIGHBOR) TO IDENTIFY OUTLIERS.
	 ELIMINATE OUTLIERS AND SUBSEQUENTLY APPLY ANOTHER AGGLOMERATIVE PROCEDURE (E.G. WARD'S METHOD) TO THE REDUCED DATA SET.
	 OPTIMIZE THE CLUSTERING SOLUTION BY USING THE K-MEANS METHOD.
	 Assess the robustness of the clustering solution.
	 Possibly apply discriminant analysis to the cluster solution to analyze distinguishing features of the clusters.
Keywords	AGGLOMERATION SCHEDULE, AVERAGE LINKAGE, CALINSKI & HARABASZ RULE,
	CENTROID CLUSTERING, CITY BLOCK METRIC (L1-NORM), COMPLETE LINKAGE,
	Dendrogram, Distance measures, Elbow criterion, Euclidean distance (L2-
	NORM), JACCARD COEFFICIENT, K-MEANS, MEDIAN CLUSTERING, MINKOWSKI METRIC (L-
	NORMS), SINGLE LINKAGE, OUTLIERS, PHI-SQUARE STATISTIC, PROXIMITY MEASURES,
	Russel and Rao coefficient, Scree plot, Similarity Measures, Simple matching
	COEFFICIENT, TEST OF MOJENA, TWO-STEP CLUSTERING, VARIANCE CRITERION, WARD'S METHOD