Activities of Statistical Societies

SECTION OF CLASSIFICATION AND DATA ANALYSIS OF POLISH STATISTICAL ASSOCIATION (SKAD)

Krzysztof Jajuga, Marek Walesiak

Section of Classification and Data Analysis of Polish Statistical Association is one of ten classification societies belonging to International Federation of Classification Societies (IFCS). The establishing of this section was inspired by Professor Zdzisław Hellwig from Academy of Economics in Wrocław, Professor Kazimierz Zając and Professor Józef Pociecha (both from Academy of Economics in Cracow). The measures taken by them resulted in the decision made on November 9, 1988, by Polish Statistical Association to establish Taxonomic Section of Polish Statistical Association.

The first conference was organized on September 27-28, 1989 in Mogilany near Cracow. The title of the conference was: "Taxonomy - theory and its applications". During the conference the following papers were presented:

1. Zdzisław Hellwig - Taxonometrics, its achievements and objectives.
2. Tadeusz Borys, Danuta Strahl, Marek Walesiak - The contribution of Wrocław scientific center to the development of the theory and applications of taxonomic methods.
3. Józef Pociecha, Kazimierz Zając - The contribution of Cracow scientific center to the development of the theory and applications of taxonomic methods.
5. Krzysztof Jajuga - On some directions in the research and some problems of classification.
6. Jan Owsiński - New cluster analysis method with the global objective function and its aggregation algorithms.
7. Tadeusz Grabiński - The problems of the analysis of taxonomic procedures.
8. Marek Walesiak - The comparative analysis of the measures of classification consistency with respect to their properties.


In 1992 the name of the section was changed to Section of Classification and Data Analysis PTS.

The second conference "Application of taxonomic methods in economy" was held on October 13-15, 1993 in Karpacz. The following papers were presented during this conference:

1. Tadeusz Borys - The applications of taxonomic methods.


3. Tadeusz Grabiński - Taxonomy of administrative units in European countries - the concept for research.

4. Kazimierz Zając, Michał Woźniak - The differences between provinces of Poland with respect to socio-economic development.

5. Danuta Strahl - Classification of regions of Poland based on European Community standards as the criterion for external funding.

6. Józef Dziechciarz, Grzegorz Kowalewski - On some transformations of data.

7. Marek Walesiak - Similarity measures from the point of view of measurement scales.

8. Mieczysław Sobczyk - The spatial distribution of air pollution in Poland.


10. Elżbieta Sobczak - The studies of relationships between economic structure and the level of development.

11. Andrzej Bąk - The generation of random data for the optimization of the choice of multivariate statistical methods.

In 1994 the section became the ninth member of International Federation of Classification Societies.

The third conference of the section was held on September 28, 1994, in Cracow. The title of the conference was: "Classification and data analysis - theoretical problems". The following papers were presented during the conference:

1. Zdzisław Hellwig - Stability and robustness of taxonometric structures.
3. Danuta Strahl - Classification of matrices for studies on economic structures.
4. Edward Nowak - Classification and analysis of accounting data.
5. Marek Walesiak - The consumer behavior measurement.
6. Jan Owsinski - The problem of simultaneous aggregation and grouping of preference relations: formulation and basic problems.
7. Grzegorz Kowalewski - Robust L-estimators in linear regression.

During this conference the following members of the section were elected to the new Board of the Section:

Krzysztof Jajuga (Academy of Economics in Wrocław) - chairman
Michał Woźniak (Academy of Economics in Cracow) - vice-chairman.
Marek Walesiak (Academy of Economics in Wrocław, Jelenia Góra campus) - secretary.
Zdzisław Hellwig (Academy of Economics in Wrocław) - member.
Kazimierz Zając (Academy of Economics in Cracow) - member.

In March 1995 the total number of members of the section was equal to 56. They represented universities and research institutions from Wrocław, Cracow, Jelenia Góra, Katowice, Łódź, Warsaw, Szczecin, Poznań and Lublin.

At present the main interests of the members of the section are the methods of classification and data analysis and their applications to economics and business.