Application of Correspondence Analysis and Related Methods in Evaluation of Knowledge and Skills of Young People

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The analysis of knowledge and skills of a young person is an extremely important task in the educational process. The direct effect is the possibility to support the creation and orientation of educational and professional development paths. It is also crucial to properly identify relationships between the level of knowledge and various aspects of life (demographic, social, economic, etc.) from the perspective of both authorities constituting educational policy and teachers. With comprehensive information, teachers are able to help young people with the choice concerning further education and students can gain reliable information about their perspectives. This paper attempts to analyze the level of knowledge and skills of young people at regional level (Lower Silesia) and global level (Europe).

Variables describing the skills and competences as well as socio-economic factors are often nominal or ordinal. It is therefore natural to apply correspondence analysis and related techniques to identify associations between categories or relationships between variables.

References

