

[<https://doi.org/10.69646/aob260916>]

[Poster]

Statistical Methods for Analysing Environmentally Induced Migration Intentions

Zoran Vidović^{1*}

¹Faculty of Education, University of Belgrade, Serbia

*Correspondence: [*zoran.vidovic@uf.bg.ac.rs](mailto:zoran.vidovic@uf.bg.ac.rs)

Abstract: This paper presents the statistical methodology applied in research on the relationship between air pollution and migration intentions in Belgrade. Descriptive statistics were used to summarize respondents' socio-demographic characteristics and migration attitudes. The chi-square test and Cramér's V coefficient were applied to examine associations between categorical variables and assess their strength. Spearman's correlation and the Kruskal–Wallis test were used to analyse ordinal variables and differences between independent groups. Logistic regression models were employed to identify significant predictors and estimate the probability of migration intentions. The paper demonstrates the practical value of combining these methods in demographic and environmental research.

Keywords: methodology, statistical methods, migration, air pollution