

Exploring Spatial Contrasts of Mortality Patterns in Ukraine

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MI=0.360

MI=0.28

MI=0.256

Circulatory system diseases

Infectious disease

Respiratory system diseases

West vs East opposition

North-West vs South-East opposition

No clear opposition

MI=0.555

Violent deaths

Digestive system diseases

Cancer



de Paris

> RESULTS:

- Western areas are the most geographically homogeneous in positive sense
- Areas of priority intervention for combating circulatory system diseases concentrate around the capital and on the south
- The highest spatial correlation is observed for violent deaths, which is a sign of significant effect of social environment
- In regard of infectious diseases districts are associated into a zone of risk along the lower reach of the river Dnepr
- There is no clear pattern of association from cancers and respiratory system diseases

> REFERENCES:

- Anselin L. (2003) An Introduction to Spatial Autocorrelation Analysis with GeoDa. Spatial Analysis Laboratory.
- Chung K. Et al. (2004) Health and GIS: Toward Spatial Statistical Analyses. Journal of Medical Systems, 28 (4), pp. 349-360.
- Oliveau S. & Guilmoto C. (2005) Spatial correlation and demography. Exploring India's demographic patterns. Congrès International de la Population, Tours (France).
- Data of EuroStat, WHO and of the State Stat Office of Ukraine. Maps are made using Philcarto 5.5. and GeoDa software.

PROBLEMATIC: INTERREGIONAL VARIATION



