

Brexit: challenges to estimate UK population

Natalia Rozora

Nielsen, e-mail: natalia.rozora@nielsen.com

Abstract

After UK's vote in 2016, UK will leave EU is on March 2019. Brexit changes not only Custom union, but also Immigrants systems. That changes not only future migration flow, but also put a lot of uncertainty to current UK immigrants. Non-existence of unique identity database for UK population even more complicates the population estimation after Brexit with switching to register-based population census. Considering growing homelessness population part (including hidden) put demand for more sophisticated approaches including simulation modelling under different scenarios of Brexit.

Keywords: Population census, Brexit, register-based population census, homelessness

References

Office for National Statistics. <https://www.ons.gov.uk/>

Suzanne Fitzpatrick, Hal Pawson, Glen Bramley, Steve Wilcox, Beth Watts & Jenny Wood. The homelessness monitor: England 2018. *Institute for Social Policy, Environment and Real Estate (I-SPHERE), Heriot-Watt University; City Futures Research Centre, University of New South Wales. April 2018*

Lavallée, P. & Rivest, L.-P. (2012). Capture–recapture sampling and indirect sampling. *Journal of Official Statistics* **28**, 1 - 27.

Särndal, C., Swensson, B. & Wretman, J. (2003). *Model assisted survey sampling*. Springer Verlag.