Longitudinal and Cross-sectional Weighting Methodology of Keio Household Panel Survey and Japan Household Panel Survey

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Abstract

Keio Household Panel Survey (KHPS) and Japan Household Panel Survey (JHPS) are longitudinal surveys of individuals and have lots in common in the questionnaires. From 2013 survey, the questionnaires of these two were unified, and managed collectively. This allows us to combine and analyse two data together.

In this paper, the cross-sectional and longitudinal weights of KHPS and JHPS are developed. The integration methods of KHPS and JHPS are also considered. The weights adjust for the sampling bias and the non-response. Using those weights, the data are ensured to be a representative of population of Japan.