

Discussion on Analysis Methods on International Migration applying Population Projection for Japan

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In this paper, the analysis methods on international migration are discussed, aimed mainly for improving accuracy of the population projections for Japan.

In the population projections for Japan, future trends on international migration are assumed. For Japanese migration, we assumed that the average of the sex- and age-specific net migration rate in recent years and would remain it constant on ward. This trend is used as the assumption for Japanese migration in the future. For non-Japanese nationals, we projected the trend of number of net migration and age patterns by sex in recent years and used those trends as the assumption. Note that in the case of negative net-migration, so that the number of emigrants exceeds immigrants, the assumption ever setup have been required to adapt various conditions. Therefore, the modified analysis methods are discussed through case studies on the past dynamics and considered the adaptability of the models to the population projections. A higher accuracy and accountability is expected by analyzing immigration and emigration separately, but the methods are still continued to be elaborate.