Research - data
A. No. 5

Estimated Population by Sex and Ages
in the Inter-Census Years, 1916 - 1938.

by

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I. Aim.

Calculating the population by sex and ages in
every year both through interpolation from 1920
to 1935 inter-census years and through exter-
polation from 1916 to 1919 and from 1936 to 1938,
we estimate the population by sex and ages 1916-
1938, and make it the foundamental data for our
research.

II. Method.

Though we can estimate the population by sex and
ages in the inter-census years by various methods,
here we adopted the following one which is widely
used. It is the method by which to estimate the
population by adapting successively the living-
rate px of the life-table to the X-aged population Px
in a certain census years, i.e., $Px + 1 = px \times Px$.
Though theoretically it is rigorous here to adopt
$1 - mx$, we adopted px, for the difference between
px and mx is negligible.
By this method, we estimated the population by sex
and ages in the Inter-census years, 1916-1933.
On estimating, (A) we adopted the living-rate of the
4th life-table from 1916 to 1924, the living-rate
of the 5th life-table from 1926 to 1932, and the
one of the 6th life-table from 1933 to 1938. (B)
As for the caluculation of the zero-aged population,
we took into consideration the omission of report
of the birth in the vital statistics.

III. Results.

Thus, collecting to three age-groups, the estimated
population by sex and ages are tabulated as follows.