

# Spatial spillover effects of area-level socioeconomic factors on life expectancy in Japan: an ecological study

## Results from the spatial Durbin error model (SDEM)

- **Outcome** : Life expectancy at birth for men and women
- **Explanatory variables** : 10 area-level socioeconomic factors + 6 control variables

	Men		Women	
	Direct effects	Spillover effects	Direct effects	Spillover effects
Unemployment rate(%)	-0.06 (-0.09, -0.03)	<b>-0.12 (-0.19, -0.05)</b>	-0.04 (-0.06, -0.02)	<b>-0.10 (-0.16, -0.05)</b>
No high school diploma (%)	-0.01 (-0.01, -0.00)	<b>-0.04 (-0.05, -0.03)</b>	-0.01 (-0.01, -0.00)	<b>-0.02 (-0.03, -0.01)</b>
Taxable income (million yen)	0.30 (0.17, 0.43)	-0.12 (-0.37, 0.13)	0.02 (-0.09, 0.12)	-0.10 (-0.30, 0.11)

\*Spatial weight matrix : Queen contiguity matrix

