

Dog Intake Quantity

across local governments in Japan



vacant houses ↑

non-urban area ($\beta = 26.83$; 85% CI [20.21, 33.46])



lowest temperature ↑

non-urban area ($\beta = 0.11$; 85% CI [0.04, 0.18])



cultivated land area ↑

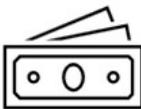
urban area ($\beta = 2.91$; 85% CI [0.32, 5.49])

non-urban area ($\beta = 8.19$; 85% CI [4.59, 11.79])



higher education levels ↓

urban area ($\beta = -12.75$; 85% CI [-16.95, -8.55])



low-income households ↑

non-urban area ($\beta = 5.47$; 85% CI [0.32, 10.62])



owner-occupied households ↑

urban area ($\beta = 4.93$; 85% CI [1.98, 7.88])

**owner-unknown
dog intakes**

**owner-relinquished
dog intakes**

urban area (n=82) / non-urban area (n=47)

Across local governments in Japan, owner-unknown dog intakes were positively associated with vacant houses, lowest temperature, and cultivated land area, and negatively associated with higher education levels. Owner-relinquished dog intakes were positively associated with low-income and owner-occupied households.