Parameters

- v per capita birth rate
- β_{i,i} transmission coefficient (j to i)
- p_i per capita immunization* rate
- μ per capita background mortality rate
- α per capita disease-induced mortality rate

Variables

S_i Susceptible dog

Infectious (rabid) dog

V_i Immunized dog

What level of vaccination would be necessary to eliminate domestic dog rabies in Tanzania?

* Immunization = effective vaccination

