Andren_Data_1.csv – Data used in models 1 and 2, as well as in the alternative model 3 for only southern Sweden.
Column names:
Area – code for area, 4 = southern Sweden
Time – time line
Year –the year of monitoring
Lynx.FG – number of lynx family groups
Harvest – number of lynx harvested

Andren_Data_2.csv – Data used in models 3 and 4
Column names:
Area – code for area, 1 = central Sweden – A, 2 = central Sweden – B, 3 = central Sweden – C, 4 = southern Sweden
Time– time line
Year –the year of monitoring
Lynx.FG – number of lynx family groups
Harvest – number of lynx harvested
Traffic_1 = number of lynx killed in vehicle collision after the census in February and before the birth pulse in May
Traffic_2 = number of lynx killed in vehicle collision after the birth pulse in May and before the census in February

R-codes the Bayesian hierarchical population models
Linear density-dependent growth rate (Model 1)
Model_1_DD
Model_1_JAGS
Quadratic density-dependent growth rate (Model 2)
Model_2_DD_quadratic
Model_2_JAGS
Quadratic density-dependent growth rate, less vague priors (Model 2 alt)
Model_2_DD_quadratic_alt
Model_2_JAGS_alt
Density-independent growth rate and comparing southern and central Sweden (Model 3)
Model_3_DID
Model_3_JAGS
Density-independent growth rate only southern Sweden (Model 3 alt)
Model_3_DID_alt
Model_3_JAGS_alt
Density-independent growth rate, including lynx killed in vehicle collisions and comparing southern and central Sweden (Model 4)
Model_4_DID_vehicle
Model_4_JAGS