## **Exercise 1 Solution**

Solution available here: https://insightmaker.com/insight/201938/7B-Chickens-Eggs-Expanded Kits Being Born Dead Foxes NC Kits Kits Reaching Adulthood Foxes Fox Mortality NC Dead Chickens P Fox Predation\_Ra Chicken Mortality P Chickens Chicken Mortality NC Dead Chickens NC Eggs Hatching Laying Rate Laying\_of\_Fedilised Eggs Fertilised Eggs Proportion Eggs Fertilised

- a) At least around 8% of eggs would need to be fertilised to ensure the chicken population doesn't die out
- b) Foxes would need to kill chickens around 5 times more regularly (1 chicken per fox per week) to make chickens extinct within a year