

# Chapter 7: Population Models

Worksheet to accompany

David Feldman, *Chaos and Fractals: An Elementary Introduction*,  
Oxford University Press, 2012

The logistic equation is:  $f(x) = rx(1 - x)$ .

1. Let the parameter  $r = 2.9$ . Calculate the first three iterates of the seed  $x_0 = 0.2$ .