Homework Grading

PS1 – 7 submitted

Aarons

1. Verification of Riley’s result (Fig. 21) **Not presented**

Sensitivity for p, R0, r, g, 1-N, ±20% **Full marks**

Relative sensitivity of various parameters **A few minor interpretation issues**

Comparison of the fits relative to Riley’s 27% error **Full marks**

1. Conditions for P to be periodic **Full marks**

Find a value of g that ensures periodicity **Full marks**

How does the value vary as other parameters are changed? **Full marks**

1. Perturb the periodic model with 20% random variations in Z and discuss

**Full marks. Note that in some cases P can show a long term secular increase.**

Abbott

Dotzel

Fachon

Honda

Schrage

Weinstock

1. Verification of Riley’s result (Fig. 21)

Sensitivity for p, R0, r, g, 1-N, ±20%

Relative sensitivity of various parameters

Comparison of the associated fits relative to 27% error from Riley

1. Conditions for P to be periodic

Find a value of g that ensures periodicity

How does the value vary as other parameters are changed?

1. Perturb the periodic model with 20% random variations in Z and discuss