BauchRhoMFig

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Table 1: Parameter values used in this analysis

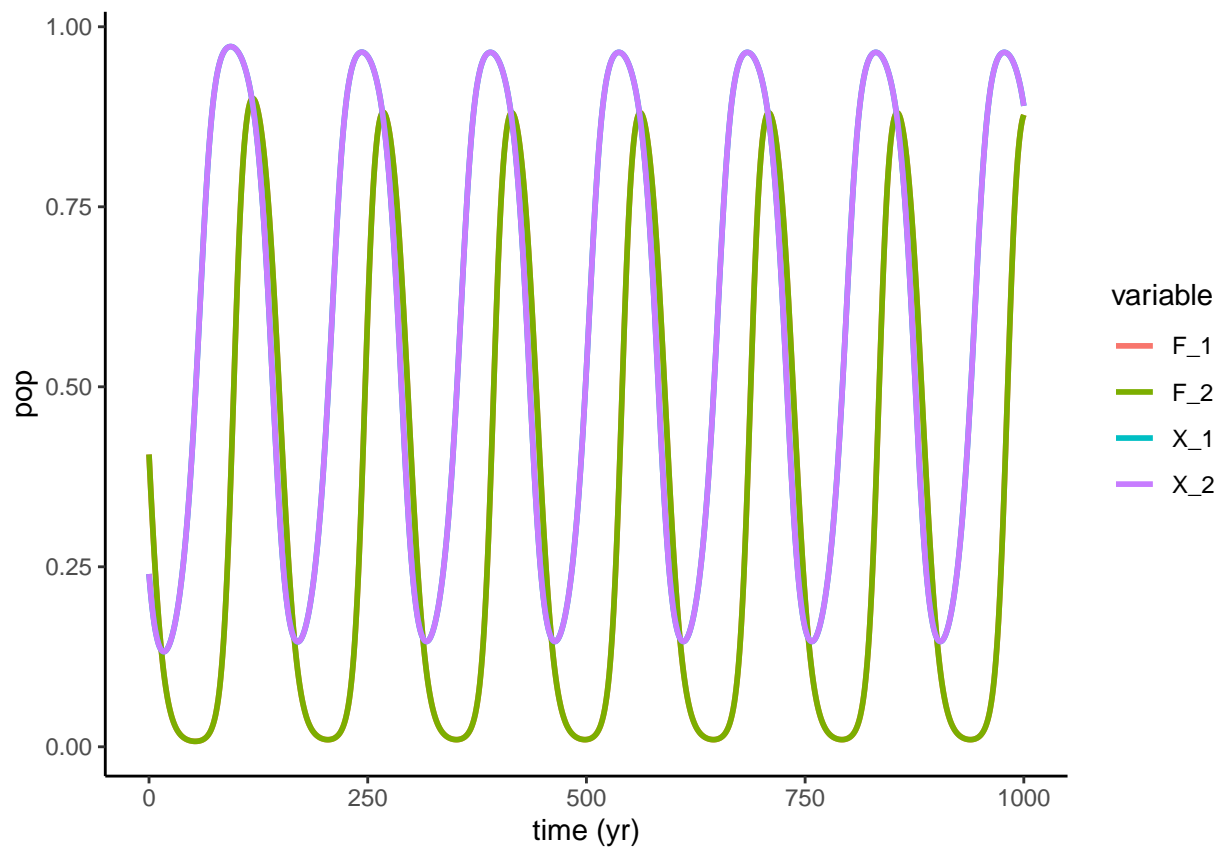| Parameter	Population_1	Population_2	Def
r	0.16	0.16	Fish net growth
s	0.8	0.8	Supply and demand
h	0.25	0.25	Harvesting efficiency
k	0.17	0.17	Social learning rate
w	1.44	1.44	Conservation cost
c	0.5	0.5	Rarity valuation
d	0.3	0.3	Social norm strength (within pop)
i	0	0	Fish immigration (from opposite patch)
rho	0	0	Social norm strength (opposite pop)

Figure 1: New Model with default paramters

i = 0.01 rho = 0.01   variable

pop

1.00
0.75
0.50
0.25
0.00

0 250 500 750 1000

time (yr)

— F_1
— F_2
— X_1
— X_2

i = 0.01 rho = 0.05   variable

pop

1.00
0.75
0.50
0.25
0.00

0 250 500 750 1000

time (yr)

— F_1
— F_2
— X_1
— X_2

i = 0.01 rho = 0.1   variable

pop

1.00
0.75
0.50
0.25
0.00

0 250 500 750 1000

time (yr)

— F_1
— F_2
— X_1
— X_2

i = 0.05 rho = 0.01   variable

pop

1.00
0.75
0.50
0.25
0.00

0 250 500 750 1000

time (yr)

— F_1
— F_2
— X_1
— X_2

i = 0.05 rho = 0.05   variable

pop

1.00
0.75
0.50
0.25
0.00

0 250 500 750 1000

time (yr)

— F_1
— F_2
— X_1
— X_2

i = 0.05 rho = 0.1   variable

pop

1.00
0.75
0.50
0.25
0.00

0 250 500 750 1000

time (yr)

— F_1
— F_2
— X_1
— X_2

i = 0.1 rho = 0.01   variable

pop

1.00
0.75
0.50
0.25
0.00

0 250 500 750 1000

time (yr)

— F_1
— F_2
— X_1
— X_2

i = 0.1 rho = 0.05   variable

pop

1.00
0.75
0.50
0.25
0.00

0 250 500 750 1000

time (yr)

— F_1
— F_2
— X_1
— X_2

i = 0.1 rho = 0.1   variable

pop

1.00
0.75
0.50
0.25
0.00

0 250 500 750 1000

time (yr)

— F_1
— F_2
— X_1
— X_2