# Introduction to the Modeling and Analysis of Complex Systems
**(Hiroki Sayama, Open SUNY Textbooks, 2015)**

# Errata (as of February 18, 2017)

P. xiii, Preface:
I would also like to thank Faisal Nsour, Riyang Phang, Rawan Shabbar, and Eric Willisson for their valuable comments and feedback.

P.37, Exercise 4.3:
In the second term of the right hand side of Equation 4, "$t - 2$" should be in subscript.

P. 44, 4th-to-last line:
"bottom of the plot window"
→ "top or bottom of the plot window."
Also, add the following footnote right after this:
"You may not see those interactive icons if your plot is displayed in-line within your console. You can change the setting of your Python environment so that plots are displayed in separate windows. For example, in Anaconda Spyder, go to "Tools" → "Preferences" → "IPython console" → "Graphics" and choose "Automatic" for the graphics backend."

P. 57, Eq. (4.30) & P. 58, Eq. (4.34):
"$r$"
→ "$r_x$"

P. 57, Eq. (4.31) & P. 58, Eq. (4.35):
"$d$"
→ "$d_y$"

P. 96, Exercise 5.16, item 4:
Insert "neutral point," after "stable point,".

P. 125, heading of Section 7.5:
"Linear Stability Analysis of Nonlinear Dynamical Systems"
→ "Linear Stability Analysis of Continuous-Time Nonlinear Dynamical Systems"

P. 137, Fig. 8.5, caption:
"Eq. (8.10)"
→ "Eq. (8.12)"

P. 212, line 5:
"logical"
→ "bitwise"

P. 235, lines 1 & 4:
“concave”
→ “concave upwards”

P. 235, lines 2 & 4:
“convex”
→ “convex upwards”

P. 235, line 5:
“concave function”
→ “upward concave function”

P. 235, line 6:
“convex function”
→ “upward convex function”

P. 410, Eqs. (18.7), (18.9), & (18.10):
“$L$”
→ “$L_i$ ($i$-th row vector of $L$)”

P. 411, line 5:
“$Lh = 0$”
→ “$Lh = 0$ (and hence $L_i h = 0$ too)”

P. 411, line 6:
“$L(H(x_s)h) = H(x_s)Lh$”
→ “$L_i(H(x_s)h) = H(x_s)L_i h$”

P. 411, Eq. (18.11):
“$L$”
→ “$L_i$”

P. 412, Code 18.2 “net-sync-analysis.py”:
The code has been updated. Please download the most recent one from the textbook support website.

P. 452, Code 19.16, Code 19.17 “predator-prey-abm.py”, P. 455, Code 19.18 “predator-prey-abm-with-plot.py”, & P. 460, Code 19.24 “predator-prey-abm-evolvable.py”:
The codes have been updated. Please download the most recent ones from the textbook support website.