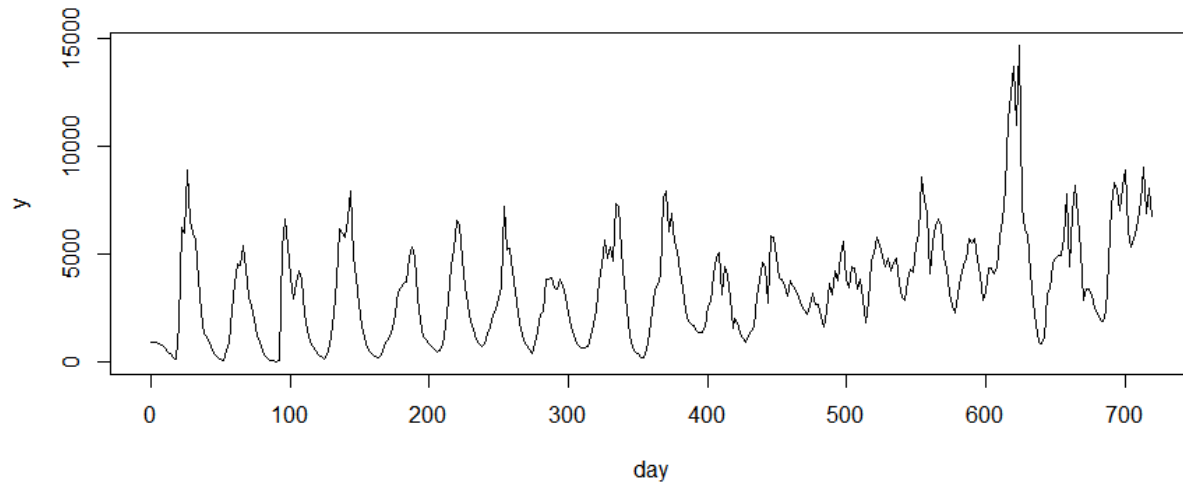# STATS 531 HW10

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My dataset is the blowflies data provided on the github.

I would like to use the simple Ricker model for the blowfly population. Then modify the model to more complex Hassel model and Beverton–Holt model for analysis.

Then I will compare my model with a partial reproduced model given from the literature: Wood, S. (2010), "Statistical inference for noisy nonlinear ecological dynamic systems", Nature 466:1102–1104.

Finally I will do some likelihood-based inference and simulation using particle-filter and the likelihood surface.

I am not good at POMP models and having some difficulty with Windows, too. I will find a way out. Could you please give some instructions on the topic I chose here？