STAT 700
Extra Practice Problems

1. **Please read Lab3 Example 3: Logistic Growth of Chickens**. In the Nonlinear Regression Lab, we fit a logistic growth model to Chick #1 weight in the "ChickWeight" dataset.

(a) Fit a logistic growth model to Chick #43. Give the parameter estimates and summary of the fit.

(b) Use the `myplotnls`, that will take **only** an nls object and provide 2x2 summary plots. Make a summary plot of your nls fit to weight of Chick #43. How well does the model fit the data?

(c) Construct 95% CIs for *Asym*, *xmid* and *scal*