Plotting and statistics exercise, EEB R bootcamp

I. Use the ChickWeight R dataset to examine if there is an effect of diet on chick growth:

1. Plot and examine if there is a statistically significant difference between the weights of chicks assigned to different diet treatments on day 0.

2. Plot and examine if there is a statistically significant difference between the weights of chicks assigned to different diet treatments at the end of the study - on day 21.

3. Is there an effect of diet on chick **_growth_**? (**HINT**: first determine what 'growth' means).

4. Plot the effects of diet on chick growth.

5. Using a 'for' loop, plot the growth of each chick in a different color, all on the same plot.