The data file Longitudinal.csv in the R project Longitudinal Analysis includes the scores of 200 students whose GPAs (gpa)are assessed at six separate points in time (occas - 0,1,2,3,4,5).

Use lmer to perform a random coefficient growth model analysis. Before you analyze any data, decide what simple descriptive statistics and/or data visualizations might help you to determine whether there are any trends over time in gpa, and if so what they are. Then use lmer to test hypotheses about these trends