**Regression relating Blood Alcohol Content to Breath Alcohol Content In 59 Austrians (32 Males, 27 Females)**





P1. Use the Full model and No Gender/Interaction model to test whether the BAC/BRAC linear relationship is equivalent for Males and Females.

P2. Show that the Full model and Male Only and Female Only models give the same regression equations for Males and Females.

P3. Based on the Full Model, test whether the BRAC slope coefficients are the same based on the t-test. Based on the Male & Female Only models, test the same hypothesis. (Hint: The estimates for the M&F only models are independent).

P.4.Use Bartlett’s test to test whether the error variances are equal for the Male and Female regressions.