**Normality example**

Suppose you are interested in predicting wages based on various features of individuals in the excel file Normality\_Wage.xls

As a starting point, consider the following linear regression model:

$wages\_{i}$*=* $β\_{0}+β\_{1}female\_{i}+β\_{2}union\_{i}+β\_{3}exper\_{i}+β\_{4}nonwhite\_{i}+β\_{5}educ\_{i }+ u\_{i}$

1. Estimate the model and comment on the results.
2. Write down the null and the alternative hypothesis to test the normality assumption.
3. Conduct Bera\_Jarque test to test the hypothesis states in part 2.