EXCEL REGRESSION ADD-IN.

(The attached PDF file has better formatting.)

Jacob: Do we solve for ordinary least squares estimators by the equations in the textbook?

Rachel: Excel has a *REGRESSION* add-in.

- If we use a hundred simulations to test the accuracy of the estimators, we code a VBA macro or an Excel table with the formulas from the textbook or the built-in functions.
- For this student project, it is easier to use the *REGRESSION* add-in.

Jacob: Where is the Excel *REGRESSION* add-in?

Rachel: In versions of Excel before 2007: Click on the TOOLS menu from the menu bar. From the menu, choose DATA ANALYSIS.

Take heed: You may have to include the DATA ANALYSIS add-in to your version of Excel. From DATA ANALYSIS, choose REGRESSION.

Take heed: The locations of built-in functions change in Excel 2007. The *DATA ANALYSIS* add-in is at the far right of the *DATA* ribbon.

Jacob: How do we include the DATA ANALYSIS add-in?

Rachel: Check to see if the add-in is already installed. Some actuarial departments have the add-in installed.

If the add-in is not installed, choose ADD-INS… from the tools menu. From the sub-menu that appears, choose ANALYSIS TOOLPAK. To access the *REGRESSION* add-in from a VBA macro, include also the ANALYSIS TOOLPAK VBA.

Your version of Excel may differ. If you can't find the REGRESSION built-in function, post a question on the discussion forum, listing your version of Excel and of windows.