SA463 Operations Research in Action  
Project 1 – The Model Section

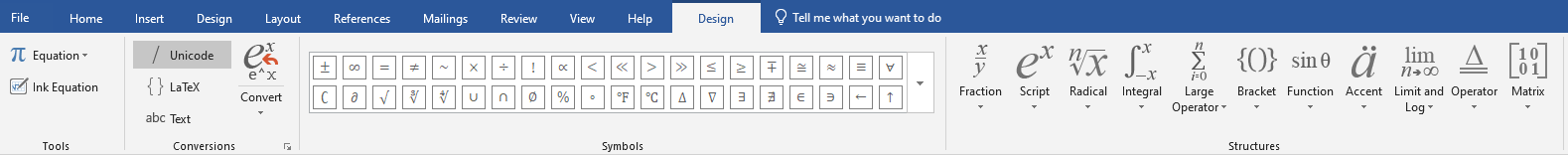
The model section of your report describes the modeling tool that you use to solve the problem. The way that this section is written depends on the exact nature of your project and the tool you are solving.

Writing the Model Section for a Statistical Model

* State the type of statistical model you are using.
* Explain why this model is appropriate for your problem.
* State the model mathematically.

The mathematical model should be written in math font. To write a general linear regression, complete the following steps.

1. Select the insert tab. All the way to the right, under symbols, you will see the equation button. When you click on this button, it will add a box (like the one pictured below) where your cursor is located. 
2. With the equation box, you can type math in word. The equation bar will also give you a new Design menu tab which has different expressions that are useful for math type.



1. Consider the basic linear regression model:

* Describe the response and explanatory variables in words.
* Discuss any simplifying assumptions you made.