



Exercise

Use the **AmesHousing** data set to complete this exercise.

Using the SYMPUTX Subroutine

- a. The SYMPUTX subroutine enables you to create a macro variable inside a DATA step. Navigate to the online documentation for a complete description. Open **SP4R05e03.sas**. Submit the code (shown below) and analyze both the code and log output. What does this code do?

```
data _NULL_;  
  x=-3;  
  df=5;  
  p=(1-probt(abs(x),df))*2;  
  call symputx('sig_level',p);  
run;  
  
%put The significance level for the two-tailed t test is &sig_level;
```

- b. An alternative method to creating the macro variable in Exercise 2 is to use the SYMPUTX subroutine. Use a DATA _NULL_ step, a SET statement, and the SYMPUTX routine to create a macro variable for the median of the **saleprice** variable. Use the %PUT statement to ensure that the macro variable is created correctly.