Computing for Research I: ODS Homework

1. In class, we conducted a simple linear regression of petal length on sepal length for the Virginica species of Iris and then analyzed the model assumptions with built-in diagnostic tools. Please use this same dataset, which can be found with data=sashelp.iris to regress petal width on sepal width for the Versicolor species. Unpack the diagnostic panel and present a brief analysis of the validity of the model assumptions with only those graphics that are appropriate.
2. Choose another dataset from the sashelp library (any one you like) and produce the coolest graph you can, using what you know about ODS Graphics capabilities. You may use any procedure with the exception of proc reg, but your figure must have at least two colors and represent at least two variables. Have fun with this, and don’t forget about style options!