STSCI 5010 Homework Assignment 4

(Due: 11:59PM, 11/27/2018)

This homework assignment is to practice SAS Enterprise Miner. You are required to submit your homework (in PDF format) to the course website. You may first put together your homework components in an MS Word file and then converted it to a PDF file.

With the data file *workloads* (available from Blackboard under Data), you create a project in SAS Enterprise Miner (version 14.2 or later). You need to create a libname and a diagram, which must be all named with your **last name**. In the diagram workspace, you are required to build a simple two-node process flow with a "workloads" input data node followed by a "SAS Code" node, and then use the kernel density estimation (kde) procedure to produce some kde graphs. You submit the following items:

    a) single kde graphs for the variable __*service* (note that it starts with two underscores), where bwm = 0.5, 1, 2, 4, and 8;

    b) an overlay of kde graphs grouped by year for the variable __*service*, where bwm = 1;

    c) the SAS codes used in a) and b) [note: for the code in a) you may just show the code for one situation, say, when bwm = 2];

    d) a screen shot of your final EM project interface, where at least the project name, the process flow and the diagram name named after your last name are visible.

Hint: You may need to set gridl= and gridu= to appropriate values so that you can display your curves in the whole data range. To access the SAS Code Editor window, you need to highlight the code node in the diagram workspace, and then click the 3-dot (or ellipsis) button to the right of Code Editor property in the properties panel.