

SAS® Graph Template Language

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Graph Template Language (GTL) is *the* power tool you need to create any and all types of graphs in SAS. It also forms the foundation of the system that is used by SG Procedures and ODS Graphics Designer to render the graphs.

GTL is structured and easy to use. It creates visually aesthetic graphs that effectively communicate the results of your analysis with minimal coding. GTL also provides a wide range of features and options to customize the graph. These features can be used to create single-cell multi-layered graphs, multi-cell graphs, multi-level classification panels and matrix plots. Layouts can be nested for maximum flexibility.

GTL provides a building block approach to creating a graph. The basic statements and features can be

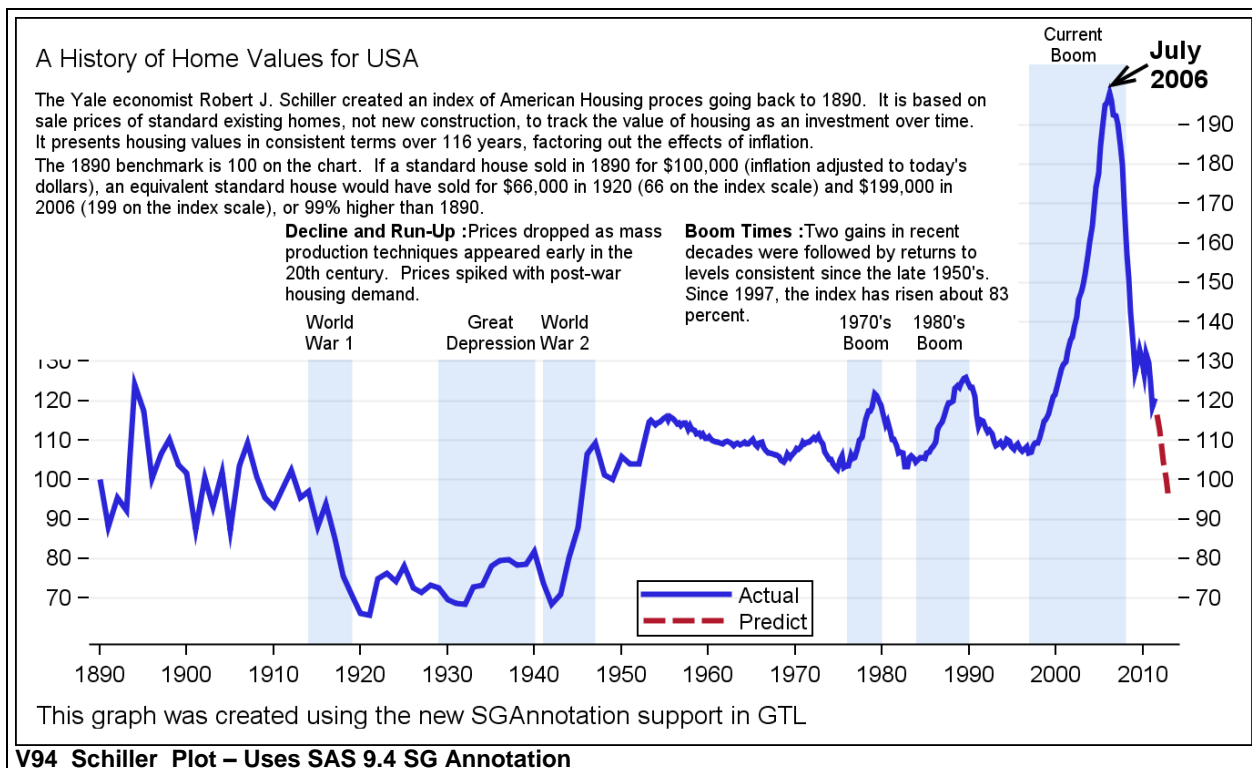
combined in creative ways to construct the graph you need. These are:

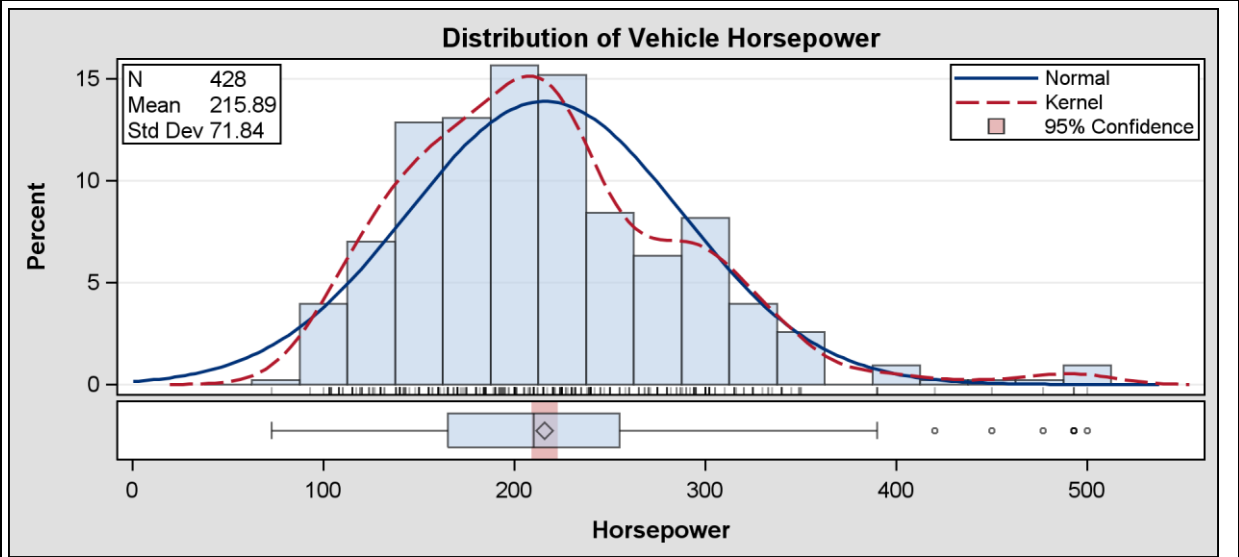
- Plot statements
- Layout statements
- Titles, Footnotes, Entries & Legends.
- Conditional syntax and Function evaluation
- Dynamics and Macro Variables

This handout shows some examples of graphs created using GTL from SAS 9.2 (TS2M0) release and some examples use SAS 9.3 features.

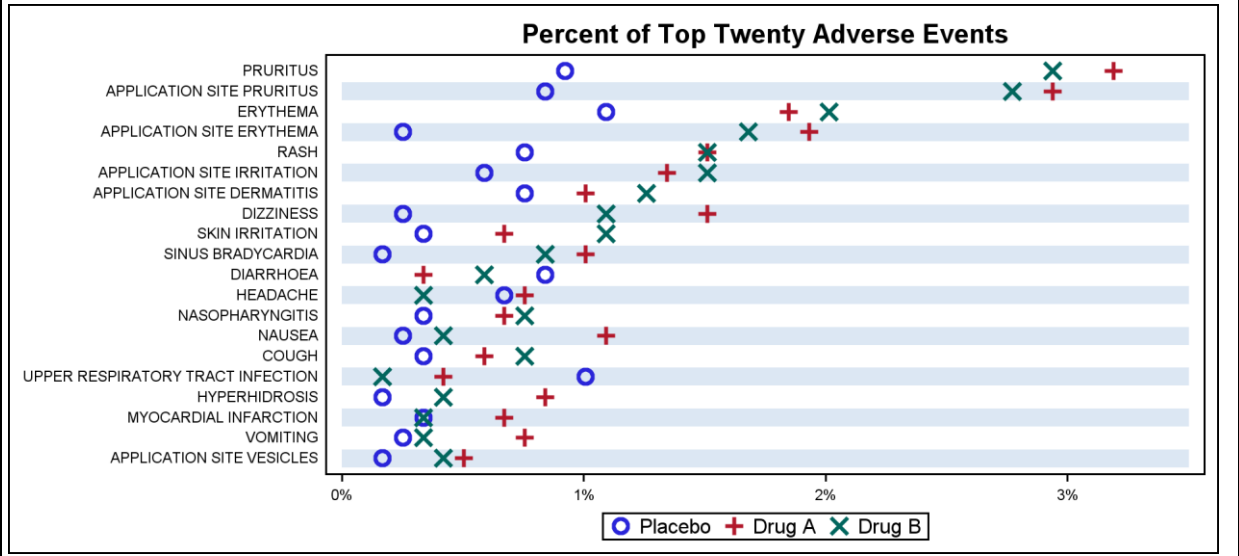
Finally, graphs are included that use new plot statements and features to be released with SAS 9.4. SAS 9.4 GTL also supports SG annotation using the same data set definition used by SG procedure annotations.

These examples and their complete programs can be viewed at the following location:
<http://support.sas.com/rnd/datavisualization/yourGraphs/analyticalCustom/sqf2013>

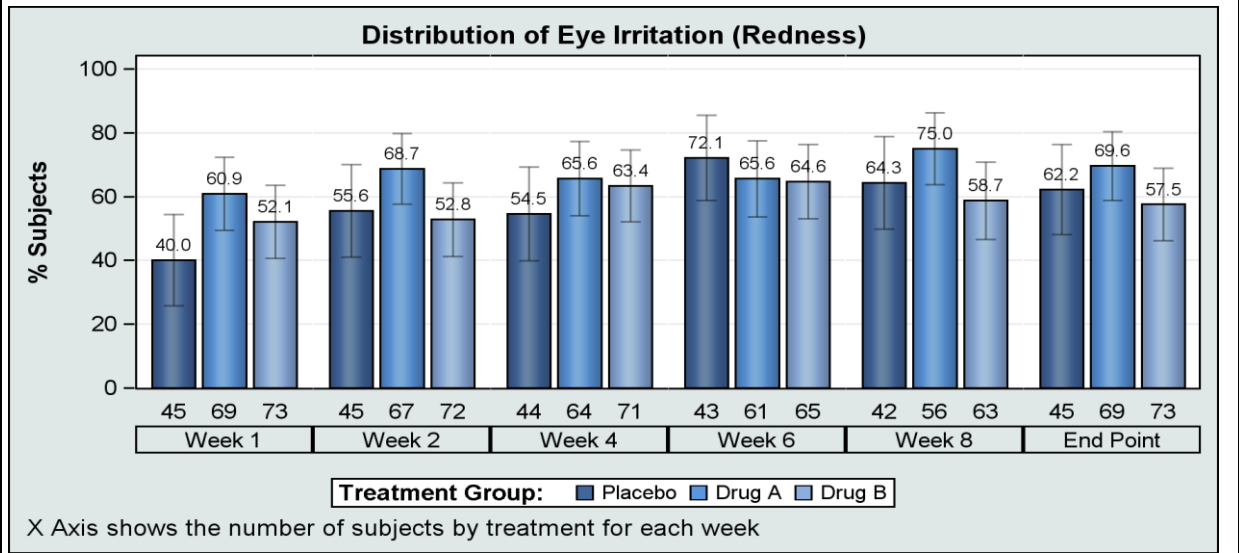




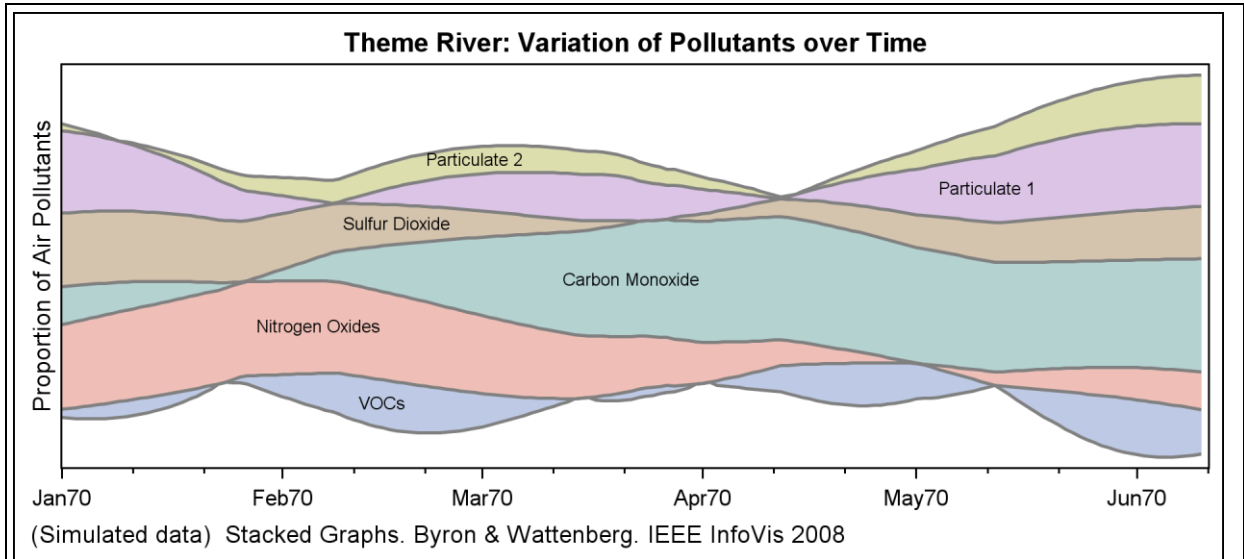
Histogram.sas



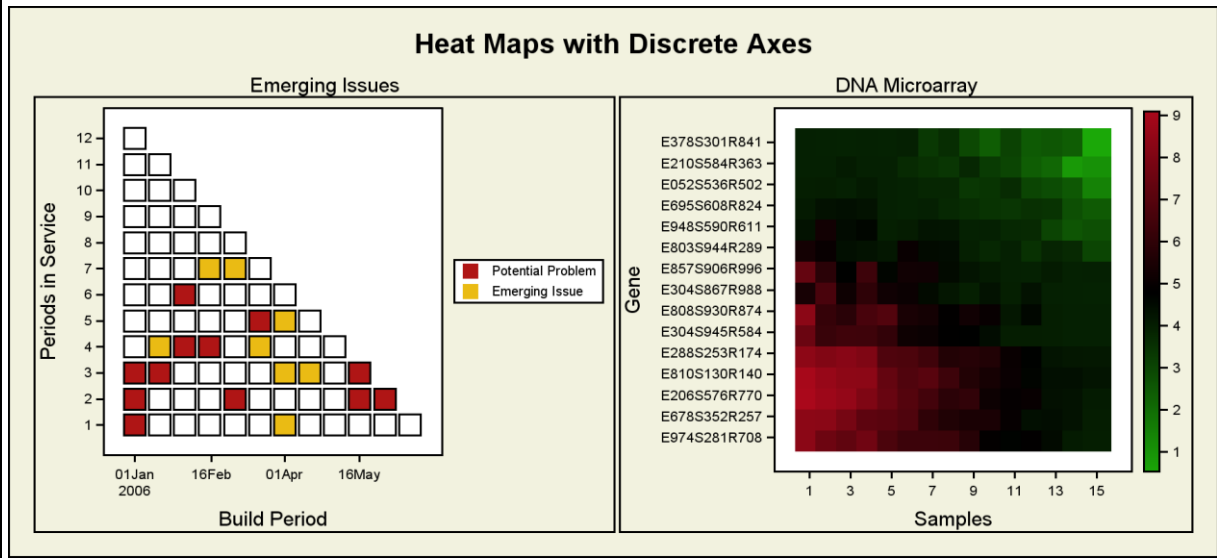
Top20AdverseEvents.sas



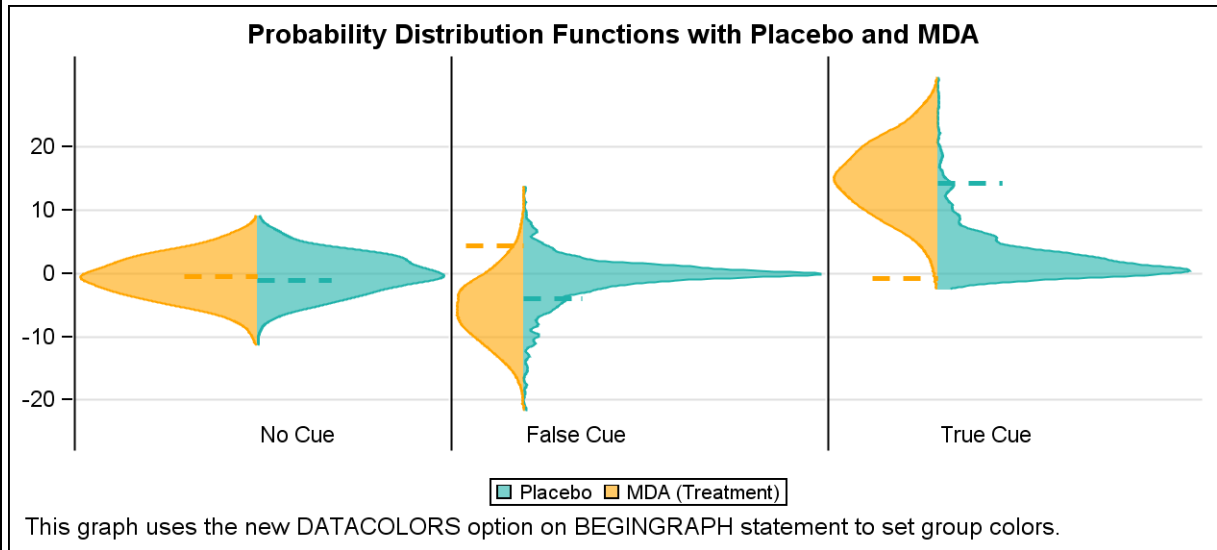
Eyelrritation.sas



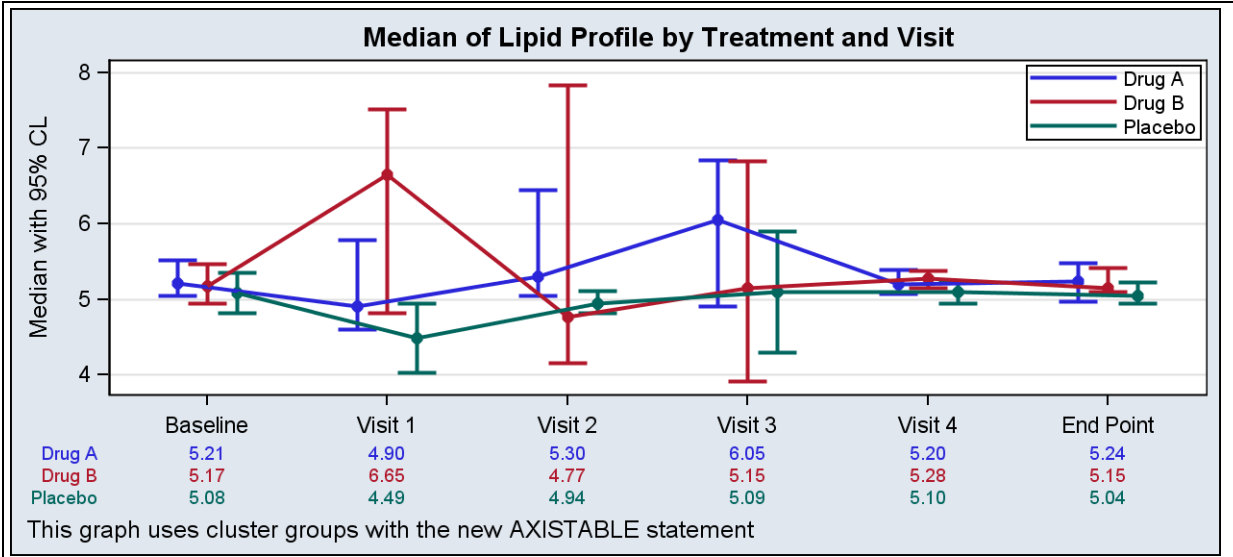
ThemeRiver.sas



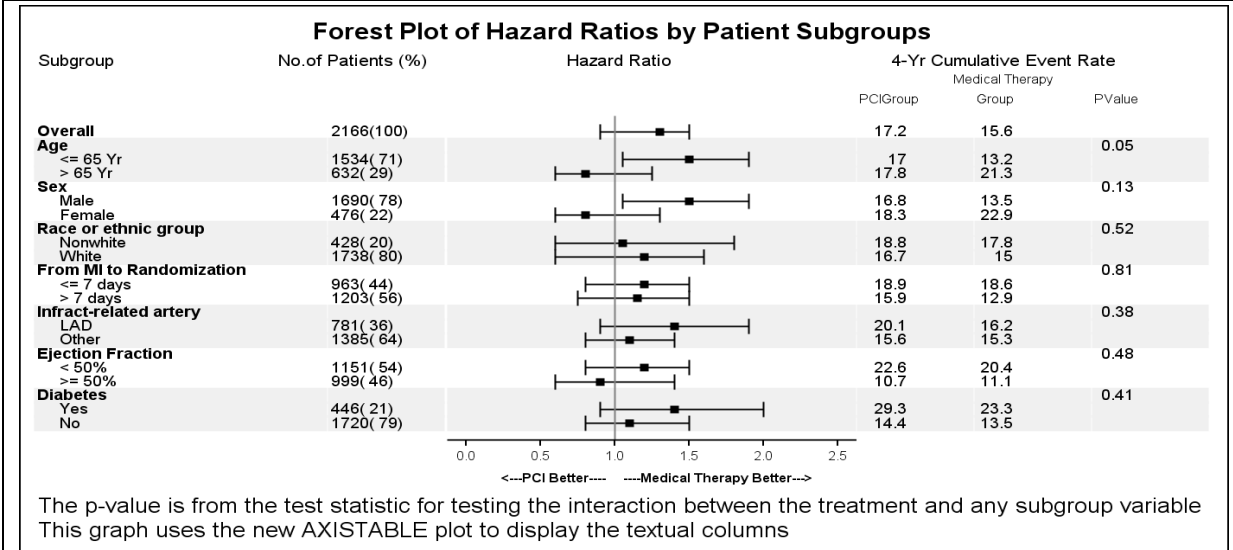
HeatMaps.sas



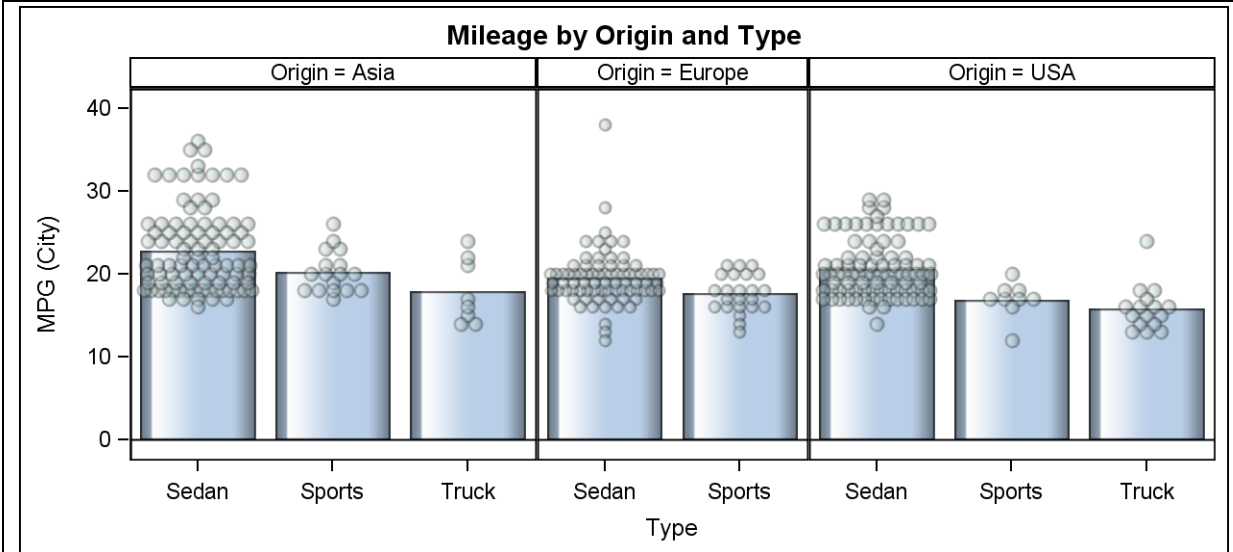
V94_Bean_Plot.sas – Uses SAS 9.4 options to set group colors in BEGINGRAPH



V9.4_Lipid_Profile_Group.sas – Uses SAS 9.4 Axis Table



V94_Forest_Plot.sas - Uses SAS 9.4 indented Axis Table



V94_Jitter_cars.sas - Uses SAS 9.4 ScatterPlot with JITTER option in a proportional data lattice.