



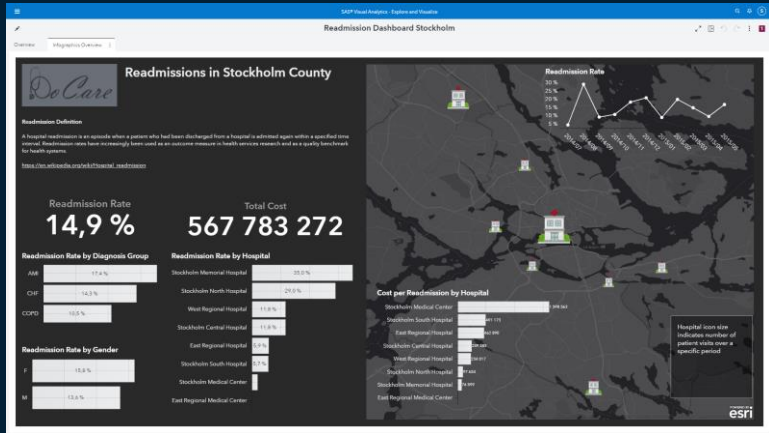
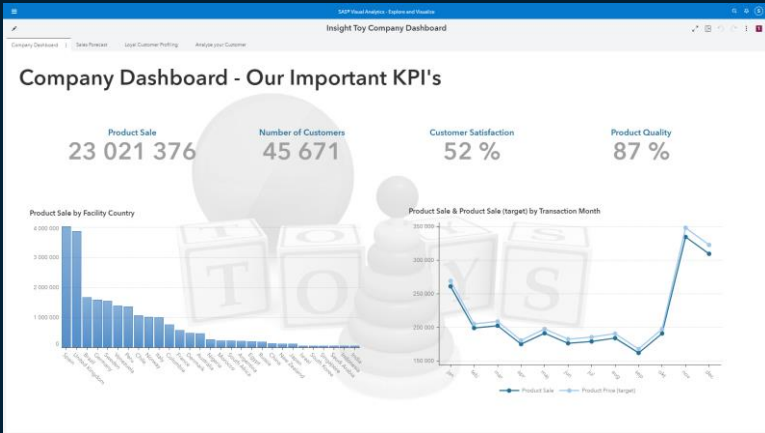
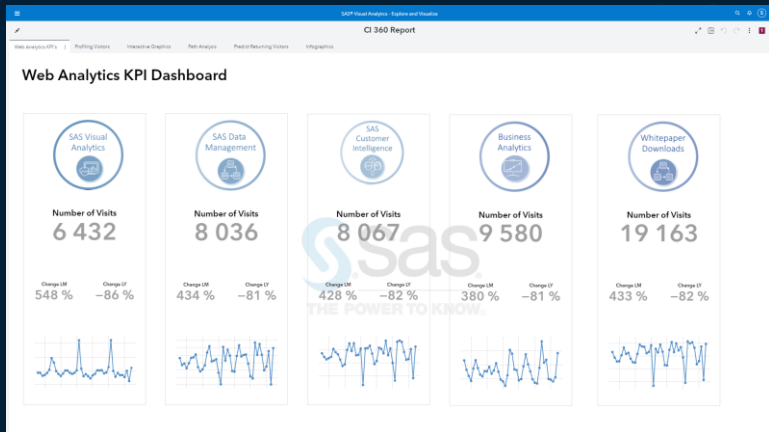
SAS Visual Analytics

Advanced Report/Dashboard Design

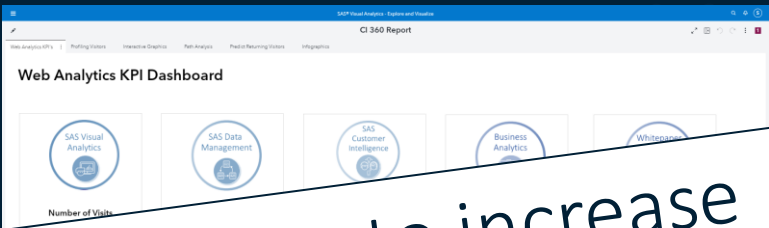
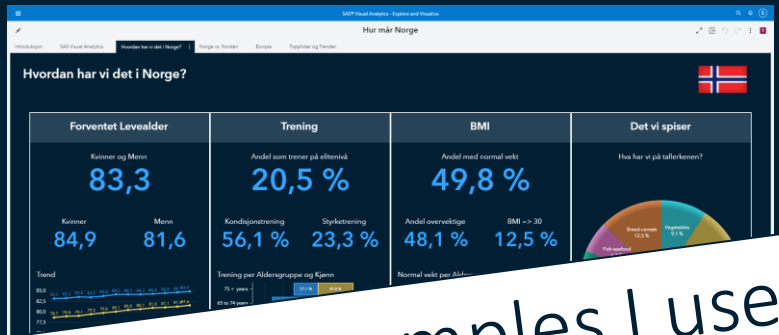
Carl-Olov Magnusson - Senior Visualization Advisor



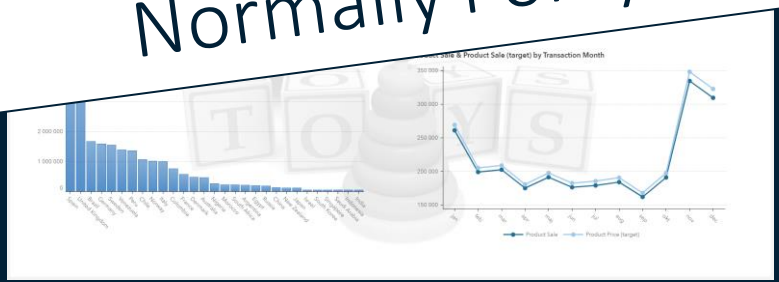
Design using different techniques



Design using different techniques



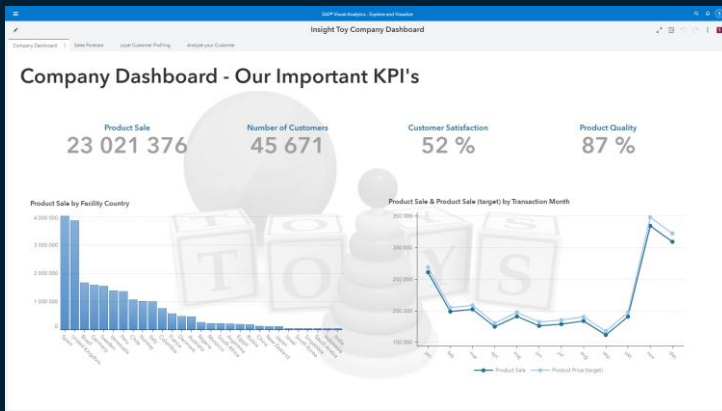
In these examples I use containers to increase control of design and structure
Normally I only use standard containers



I have changed my mind...

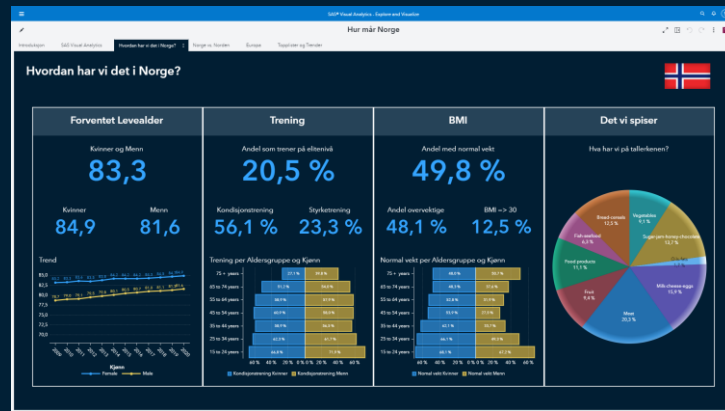
... due to better control in appearance and better size control

Precision Containers

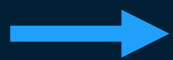


Individual report objects are scaled individually

Standard Containers



Report objects within your container will scale in group and use container scaling rules



Did you know...?

That you can set a fixed report size

Layout

Set fixed report size

Report width (pixels):

Report height (pixels):

Be aware of client (laptop) “Scale and layout” settings (Display Settings)

Scale and layout

Some apps won't respond to scaling changes until you close and reopen them.

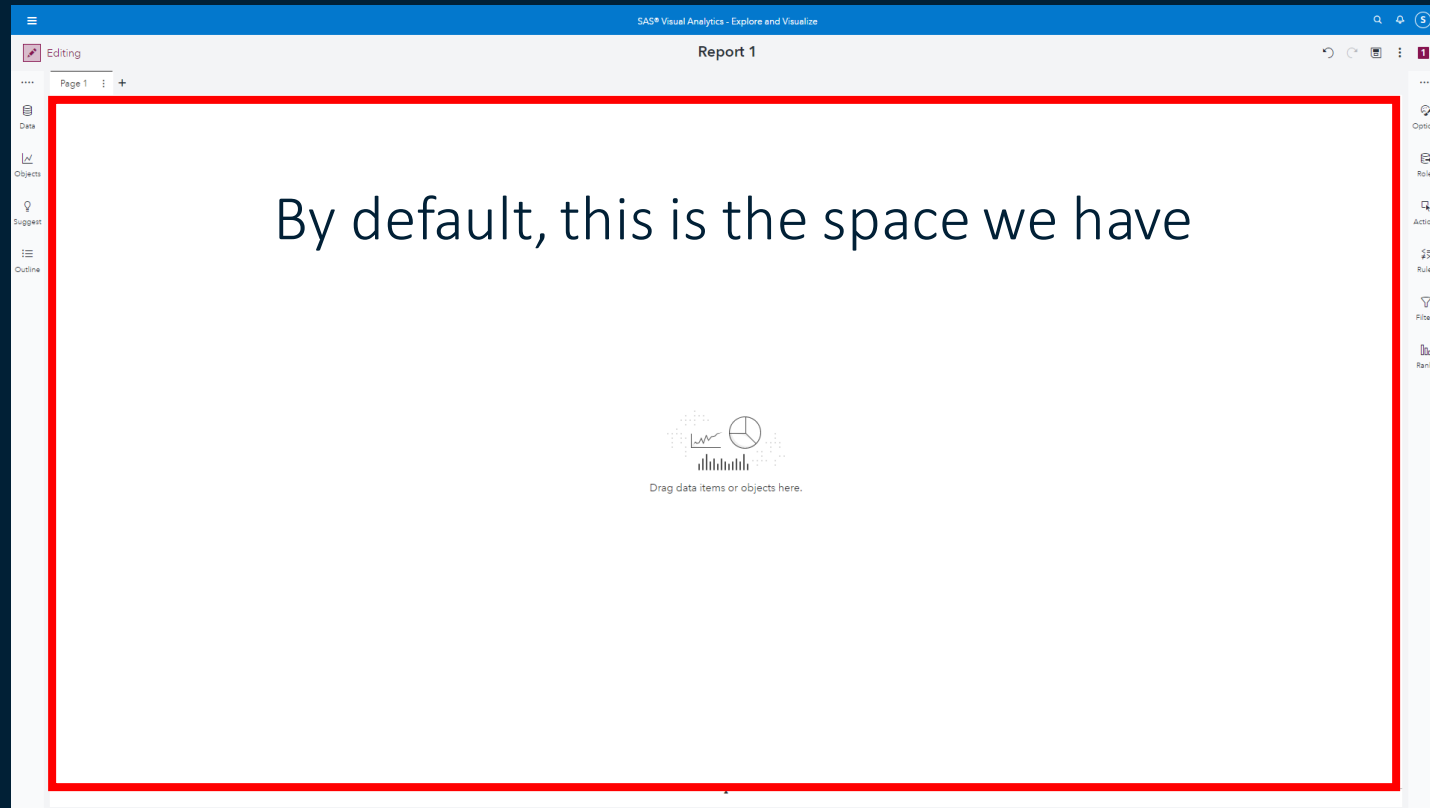
Change the size of text, apps, and other items

150% (Recommended)



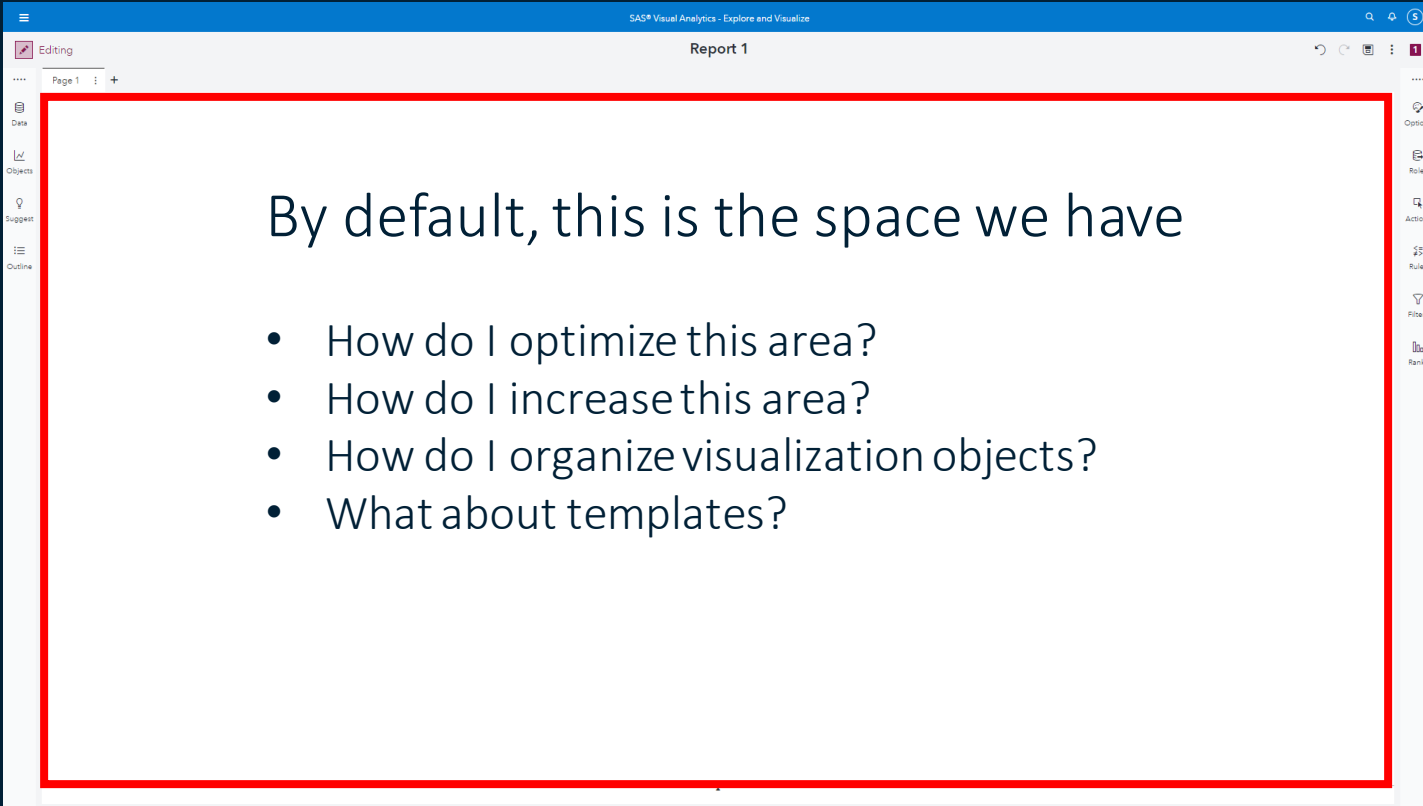
Report/Dashboard Design Challenges

Space management, important for more advanced layouts



Report/Dashboard Design Challenges

Space management, especially for more advanced layouts





The screenshot shows the SAS Visual Analytics interface. The top bar is blue with the text "SAS® Visual Analytics - Explore and Visualize". Below it, the title "Report 1" is centered. The interface is divided into several sections: a left sidebar with icons for "Data", "Objects", "Suggest", and "Outline"; a top navigation bar with "Page 1" and a "+" icon; and a right sidebar with icons for "Options", "Roles", "Actions", "Rules", "Filters", and "Ranks". The main content area is a large white rectangle, which is highlighted by a thick red border. Inside this red border, the text "By default, this is the space we have" is displayed, followed by a bulleted list of design challenges.

By default, this is the space we have

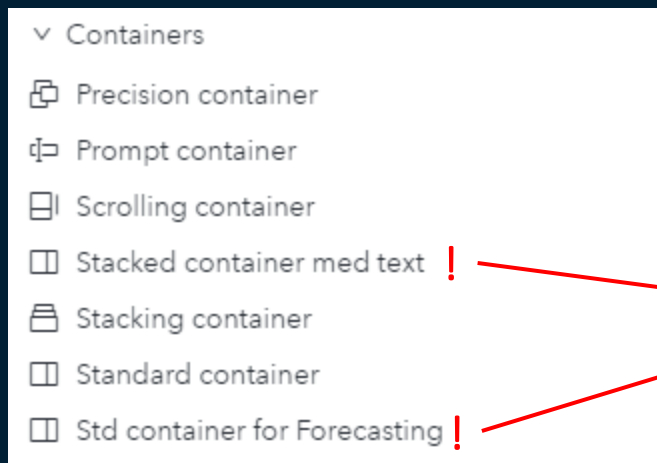
- How do I optimize this area?
- How do I increase this area?
- How do I organize visualization objects?
- What about templates?

Report/Dashboard Design

What's in our Toolbox?

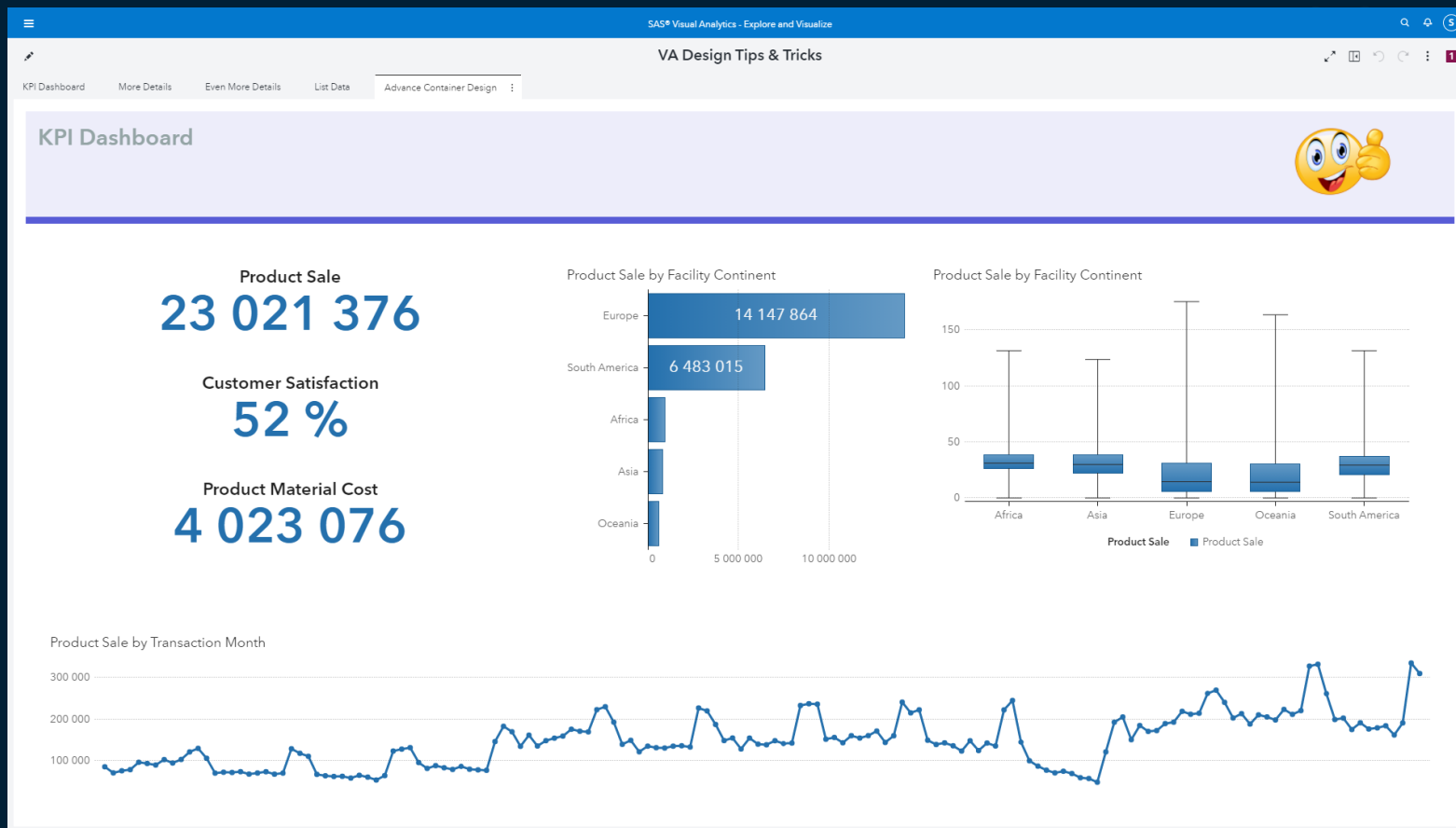
- Containers
- Use of white space (padding) 
- Use VA page templates
- Themes 
- Custom Graphs
- Use “Save to object pane” to reuse objects or individual containers
- Publish content into web apps (using VA SDK)

Why I love VA containers

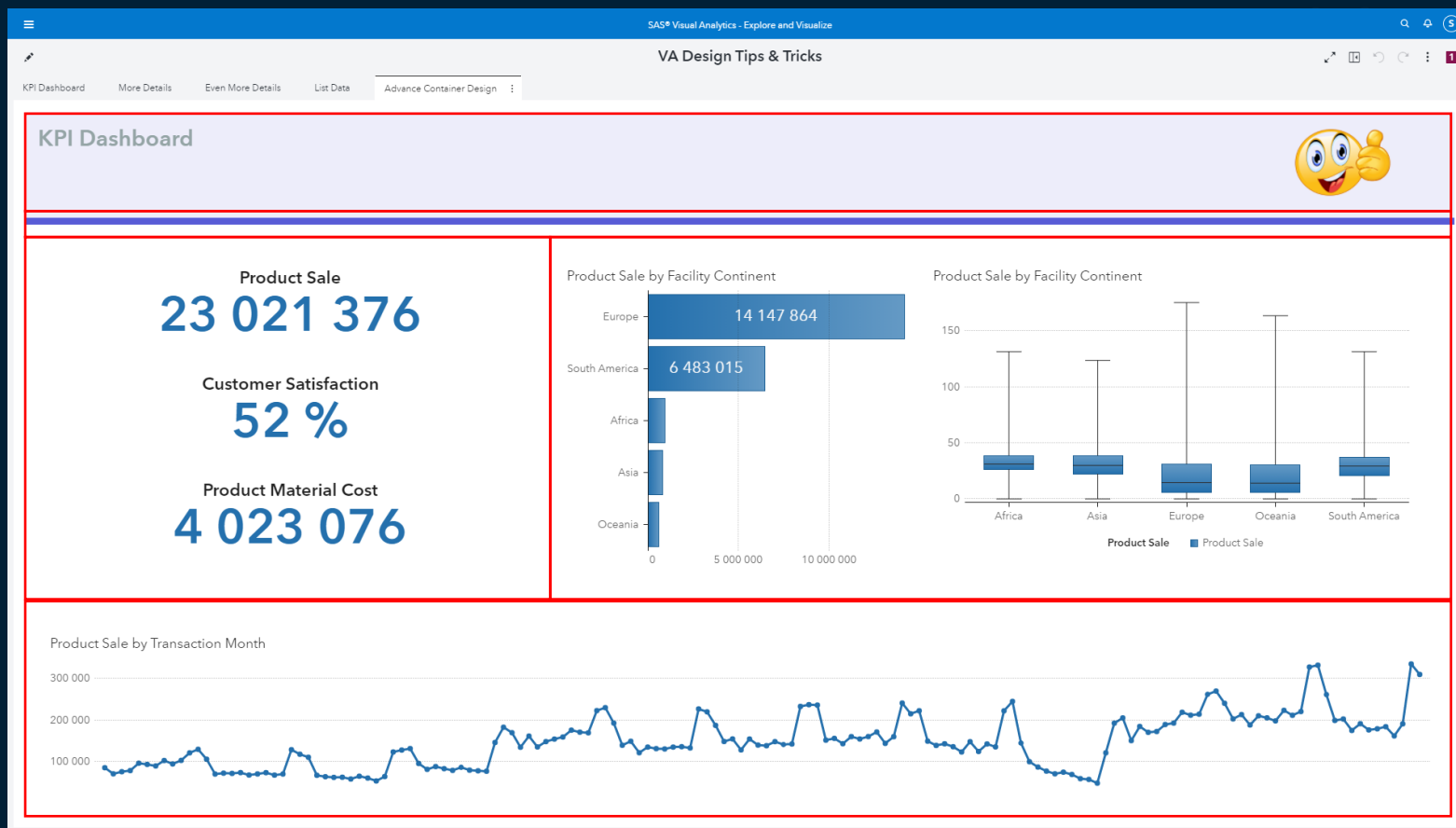


These two containers have been saved to object pane for re-use

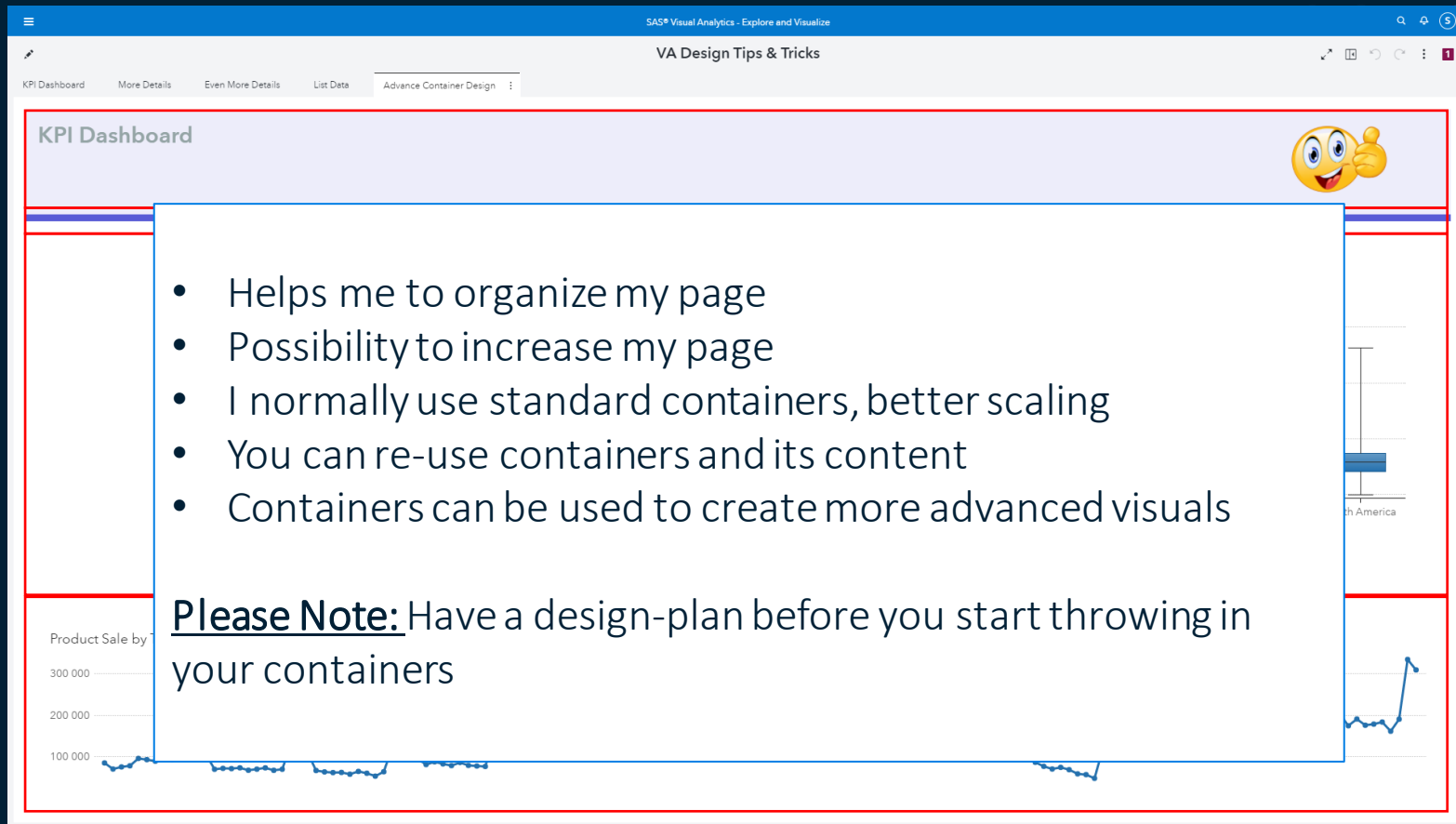
Why I love VA containers



Why I love VA containers



Why I love VA containers



The screenshot shows the SAS Visual Analytics interface. At the top, the title bar reads "SAS® Visual Analytics - Explore and Visualize". Below it, the page title is "VA Design Tips & Tricks". The main content area is titled "KPI Dashboard" and features a central white text box with a blue border. To the right of the text box is a thumbs-up emoji. The text box contains a bulleted list and a note. The background of the dashboard is light blue and includes a line chart at the bottom left and a bar chart at the bottom right.

KPI Dashboard

- Helps me to organize my page
- Possibility to increase my page
- I normally use standard containers, better scaling
- You can re-use containers and its content
- Containers can be used to create more advanced visuals

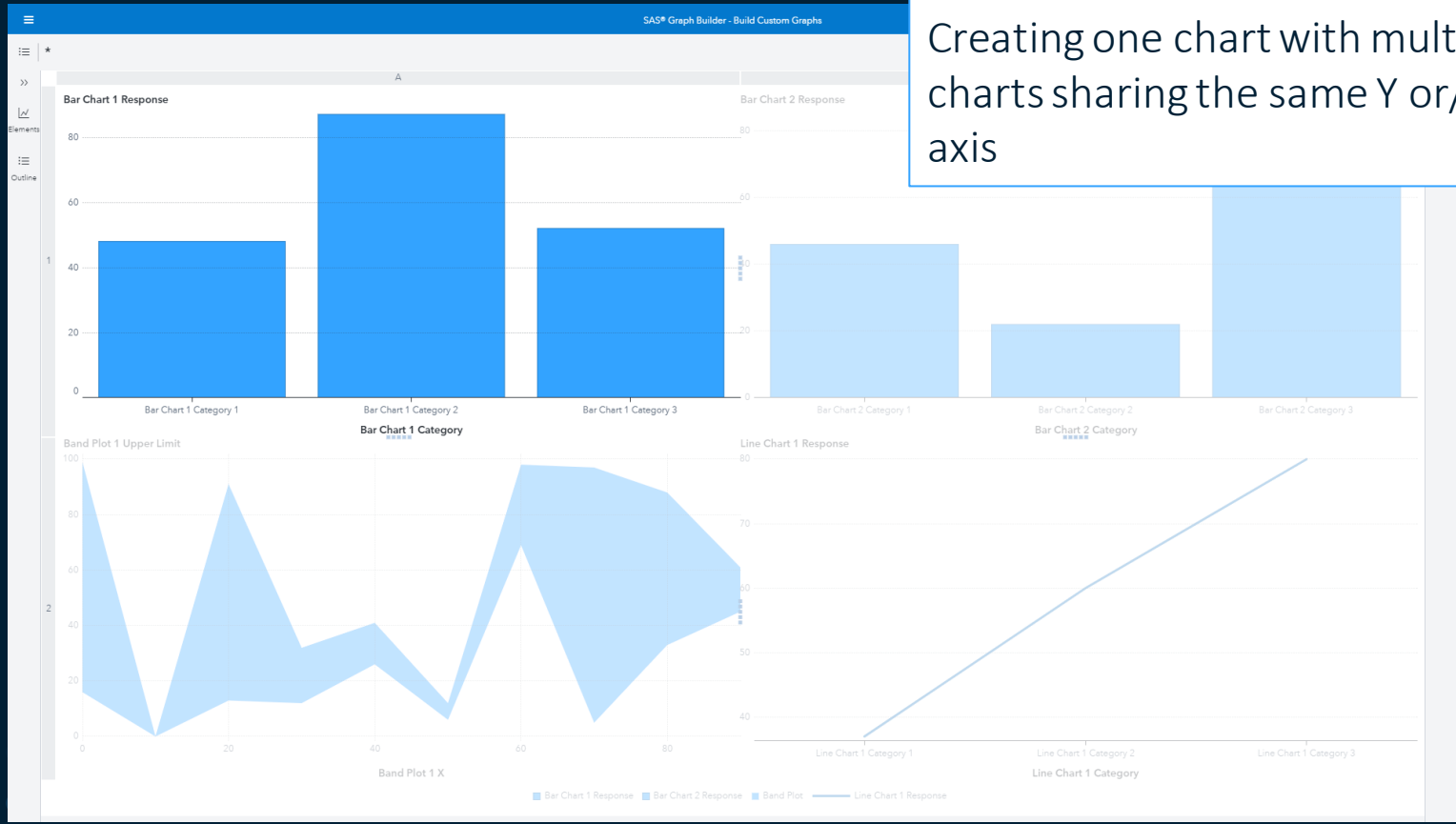
Please Note: Have a design-plan before you start throwing in your containers

DEMO

Build Custom Charts

Interesting approach

Creating one chart with multiple charts sharing the same Y or/and X axis



SAS Visual Analytics SDK

SAS Visual Analytics SDK is a collection of JavaScript libraries that web developers can use to embed SAS Visual Analytics content within custom web pages and web apps.

