

Creating a management-friendly HTML report with SAS[®] ODS mark-up, style sheets and JavaScript

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Abstract

Multiple frequency and statistics tables are exported to HTML files using SAS® ODS (Output Delivery System) and are integrated into a single portable HTML document. Active links and embedded JavaScript menus facilitate easy access to over 100 tables while a single cascading style sheet ensures a common display format.

Results

Introduction

Government program's delivered at multiple locations collect data utilizing client questionnaires. After collection, the data are analyzed and the results detailed in printed reports presented to various departments.

A single active HTML document facilitates quick access and review of over a hundred frequency and statistics tables.

Cascading Style Sheets facilitates deliver visually enhanced frequency tables with a common format, enabling rapid assimilation of the presented data.

Methods

The frequency distribution main page (fig.1) displays the questionnaire followed by the first of the visually enhanced frequency tables with interlocking slide bars¹. Clicking a question brings forward the frequency table, containing the distribution of client feedback for all sites, for the selected question.

The statistics main page displays a JavaScript self-generating scroll-bar² matrix menu of multiple measures (width) by multiple sites (length) followed by the first of the statistics tables. As users scroll through the matrix menu clicking, on any measure for a site, will bring forward the table of comparative statistics for that site and measure.

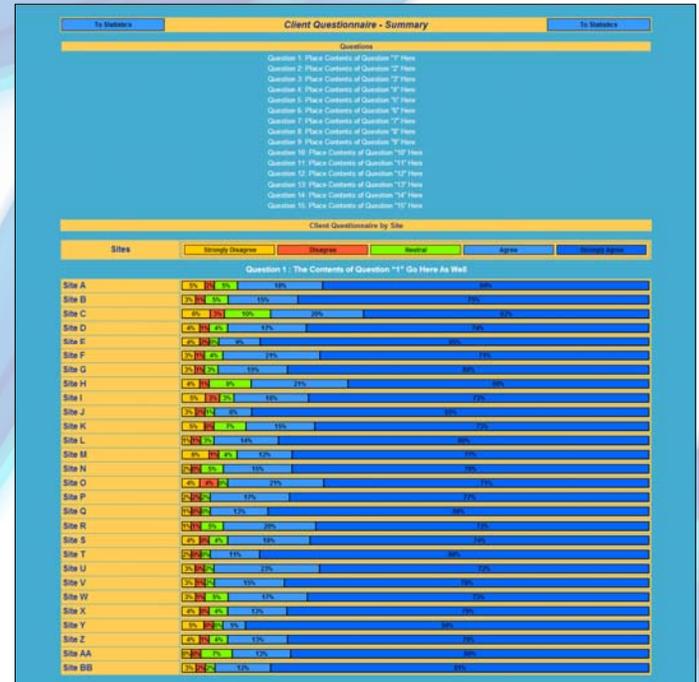


Figure 1. Enhanced frequency tables for the client questionnaire

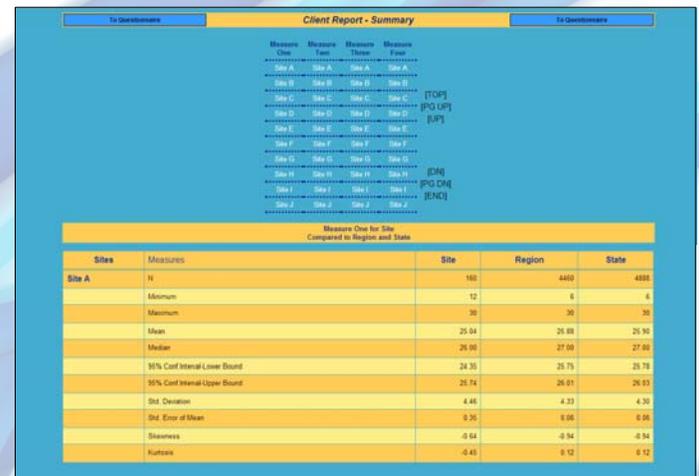


Figure 2. Descriptive Statistics for client measures by site

Conclusion

Through the use of a single common style sheet, active HTML and menu based navigation (JavaScript), we are able to integrate multiple individual HTML tables, as output from SAS®, into a single portable easy-to-navigate HTML document.

This resultant document supports quick access to any of the over one hundred tables contained within the report using any industry standard web browser (with DOM support).

By forgoing the use of images our active HTML document becomes truly portable. It can be e-mailed, viewed directly on a users tablet / desktop, or hosted on an Intranet / Internet site.

Acknowledgments

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References

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2. Smith, Kevin. 2007. "Base SAS: The htmlscroll Tagset Creates Scrolling Tables" from <http://support.sas.com/rnd/base/ods/odsmarkup/htmlscroll.html>

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