

Exploring Newer Techniques in SAS to Enhance Interactive Web Applications

Volker Harm, Bayer Pharma AG, Berlin, Germany

ABSTRACT

Based on prior experiences in building web applications with the SAS Stored Process Web Application and presenting SAS data in a web browser using JavaScript libraries this paper will explore newer techniques as PROC STREAM, FUNCTION DOSUBL, PROC JSON, and the ODS destination HTML5 to create interactive applications that allow drill-down from summary to detailed data as well as switching from tabular to graphical views. Emphasis will be put on the general structure of such applications, drill-down capabilities in SAS for tabular and graphical views, and integration of visualization tools available for modern web browsers.

INTRODUCTION

The introduction explains the purpose and scope of your paper and provides readers with any general information they need to understand your paper.

DRILL-DOWN FROM SUMMARY TO DETAILED DATA

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set two;
if mix(var1, var2) > 0 then do;
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SWITCHING FROM TABULAR TO GRAPHICAL VIEWS

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THE TECHNIQUES PRESENTED

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PROC STREAM

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FUNCTION DOSUBL

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PROC JSON

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ODS DESTINATION HTML5

A WebApp is an HTML5 page which looks like an app but is actually just a web page. As most devices support web views, WebApps can be used on most devices.

THE TECHNIQUES APPLIED

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GENERAL STRUCTURE OF INTERACTIVE WEB APPLICATION USING SAS

INTEGRATION OF VISUALIZATION TOOLS AVAILABLE FOR MODERN WEB BROWSERS: USING D3.JS

In the field of data visualization, the gold standard is D3.js, a Javascript library created by Mike Bostock and used in such places as the New York Times and NPR. The advantage of D3.js is that it creates complex data-driven documents using open web standards, allowing information to be shared without having to install additional software.

CONCLUSION

The conclusion summarizes your paper and ties together any loose ends. You can use the conclusion to make any final points such as recommendations predictions, or judgments.

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RECOMMENDED READING

Recommended reading lists go after your acknowledgments. This section is not required.

CONTACT INFORMATION

Your comments and questions are valued and encouraged. Contact the author at:

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Volker Harm
Bayer Pharma AG
Müllerstraße 178
13342 Berlin
Work Phone: +49-30-468-11208
Email: volker.harm@bayer.com
Web: <http://www.bayer.com>

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