Visualizing Oncology Data Through Interactive Dashboards

PhUSE US Connect 2019
24th – 27th Feb, 2019
Paper# DV09
Generating Graphs Using SAS

- Complex Code
- Time Consuming
- Static Output
- Present a Lot of Challenges
Waterfall Plot in SAS

Fig. 1. Waterfall Plot (Wicklin, R. 2015, April 20)
Waterfall Plot in TIBCO Spotfire

Fig. 2. Waterfall Plot (Spotfire)
Waterfall Plot by Disease Stage

Selected filter to only display Stage II and Stage III

Fig. 3. Waterfall Plot (Spotfire) by Disease Stage
Swimmer Plot in SAS

Fig. 4. Swimmer Plot (Matange, S. 2014, June 22)
Swimmer Plot in TIBCO Spotfire

Fig. 5. Swimmer Plot (Spotfire)
Swimmer Plot by Response Assessment

Selected filter to only display Progressive Disease and Stable Disease

Fig. 6. Swimmer Plot (Spotfire) by Response Assessment
Kaplan-Meier in SAS

Fig. 7. Kaplan-Meier (SAS)
Kaplan-Meier in TIBCO Spotfire

Fig. 8. Kaplan-Meier (Spotfire)
To Summarize

• Creating Interactive Visualizations using SAS and Spotfire.

• Spotfire gives us the ability to drill down the data and makes the review process faster and more effective.

• Reviewers can review the data from Day 1.
References


Vikram Chanduri
Vita Data Sciences
281 Winter St.
Waltham, MA
Phone: 781-833-0220
E-mail: vchanduri@vitadatasciences.com

Bhavin Busa
Vita Data Sciences
281 Winter St.
Waltham, MA
Phone: 781-373-8455
E-mail: bbusa@vitadatasciences.com

Web: www.vitadatasciences.com
Twitter: #vitadatascience