Role and Value of Visual Analytical Insights for Decision Making Throughout the Global Supply Chain at LEVI STRAUSS & CO.
Role and Value of Visual Analytical Insights for Decision Making Throughout the Global Supply Chain
Shantanu Samanta & Paul Reynolds
Levi Strauss & Co.

ABSTRACT
As the retail world has shifted to an omnichannel environment with ever-growing competition, have you ever found yourself overwhelmed by how best to maximize revenue while at the same time improve the operational efficiencies? In this session you will learn how Levi Strauss & Co. is modernizing and complementing the Supply and Sourcing Management reporting process by incorporating predictive analytics and decision making insights to inform and take accurate actions throughout their Global Supply Chain, with a vision of expanding into other areas in the future including the Levi Strauss & Co. Global End to End Planning Process and with supplier partners.

KPI’S & METRICS
HOD Ontime
Make Leadtime
Due-In Reporting
Audit Quality Reporting
Audit Measurement Analysis
Commercial Samples Tracking
PO Completeness

REPORTING & ANALYTICS
Supply-Chain Reporting and Analytics at LS&Co.
- Supply-Chain has been using SAS tools since 1999
- Reporting KPI metrics – Ontime & Leadtime
- Product Quality
- Vendor Performance
- ~ 800 users across the globe (600 internal & 200 external)
  - Average Hits per Day increased to 400
- Diverse section of departments (SSM, Quality Assurance, Logistics, PD Ops, Merchandisers...)

How SAS is being used by Supply-Chain LS&Co.
- Ad-hoc reporting: Leveraging Base SAS, writing code
- Auto generated PDF reports distributed via email
- SAS Intranet portal - PIWEB
- SAS Visual Analytics and Visual Statistics (in use since 2016, ~ 350 users)
- SAS Visual Analytics viewed on iPads and phones
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ONTIME AND LEADTIME REPORTING
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ONTIME PREDICTABILITY & FORECAST ANALYSIS

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DUE-IN REPORTING
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QUALITY AUDIT REPORTING
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STATISTICS – FREQUENCY DISTRIBUTION HISTOGRAM / CONTROL CHARTS

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- ImR Chart
- p-Chart
- U-Chart
GARMENT MEASUREMENT ANALYSIS
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Ability to perform advanced statistical analysis
Provides an interactive drag-and-drop web-browser interface for creating descriptive and predictive models
Quickly interpret complex relationships or key variables influencing predictive modeling outcomes within large data sets.
Understand a variable’s level of influence on the overall model lift.
Detect outliers to determine, capture and remove them for further analysis.
Explore data using bar charts, histograms, box plots, heat maps, bubble plots, geographic maps
Derive models directly from correlation matrices, scatter plots, heat maps and box plots
Mobile capabilities to view on iPad, phone, and tablet

SAS Visual Analytics has enriched the capabilities, collaboration, insights, decisioning of the LS&Co. Supply Chain
Users (both internal and external)
SAS® GLOBAL FORUM 2018

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Colorado Convention Center

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