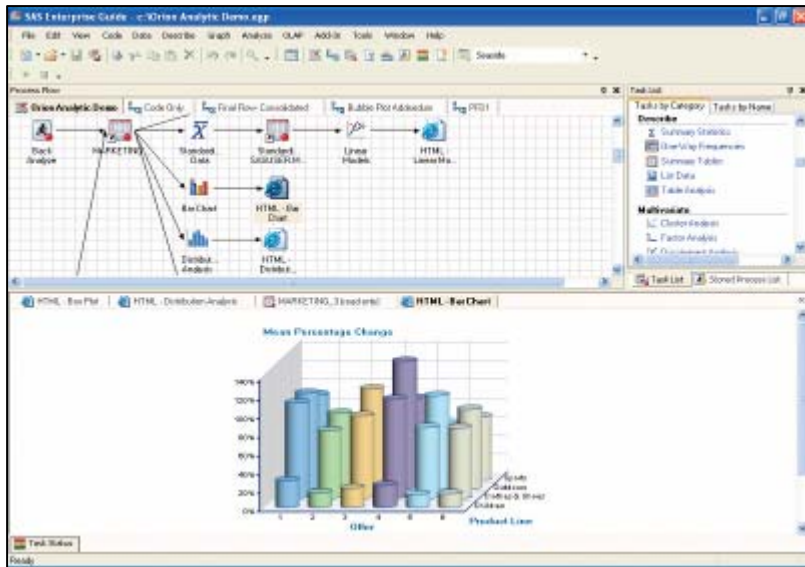


# Human Factors Data Analysis and Reporting Tool (HFDART)



## Project Description:

Develop a proof-of-concept analysis/reporting tool to automate the accurate/timely analysis of human factors accident and injury trends to identify and prioritize key human factors issues in the U.S. railroad industry. The HFDART will:

- Automate monitoring, tracking, analyzing, and reporting on human factors-related data
- Provide a systematic and efficient approach to identify underlying safety critical HF trends
- Improve operational effectiveness of FRA's Human Factors R&D Programs.

## Railroad Impact:

Human factors issues are responsible for 39% of all railroad accidents, and 25 fatalities/yr. HFDART will enable HF R&D staff to:

- Identify important HF safety critical trends
- Measure, analyze, and monitor HF safety critical trends in the railroad industry
- Develop systematical methodologies for continuously measuring and evaluating human factors program performance.

**FRA Task Monitor:** Mike Coplen, RDV32

## Cost & Schedule:

- **FY08** – Further develop and demonstrate proof-of-concept system
- **FY09-10** – provide training for the FRA/Volpe HF Program Managers and test usability of tool