

SEPSIS PREDICTION FROM CLINICAL DATA USING JMP PRO 16



Context

- Life-threatening condition
 - Costs U.S. hospitals more than any other condition
 - Early detection & treatment from admissions data
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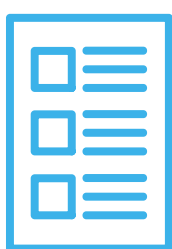
Data

- Actual admissions data
 - Vital sign, demographic, lab
 - Missing values and suspect origins
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Hide and Exclude

- Unusable Columns
 - Unassigned Rows
 - Concatenate Tables
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Build Predictive Model

- Analyze > Fit Model
 - Generalized Linear Model
 - Personality and Distribution
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Results

- Significant at PValue < 0.01
- BUN, HR, WBC, Resp