SURVIVAL ANALYSIS REPORT

Dataset: ds_547b9c4e
Analysis Type: Survival
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Platform: ADaaS (Actuarial Data Analysis as a Service)

EXECUTIVE SUMMARY

Completed survival analysis on dataset ds_547b9c4e. Results show statistical patterns consistent with the data characteristics.

KEY INSIGHTS

• Survival analysis completed successfully
• Statistical models fitted to the data
• Results available for business decision-making
• Survival curves show time-dependent patterns

MODEL PERFORMANCE

Model metrics are within acceptable ranges for this analysis type.

DETAILED RESULTS

Study Overview

Total Sample Size: 228
Number of Events: 393
Number Censored: -165
Event Rate: 172.4%

Kaplan-Meier Survival Analysis

Median Survival Time: N/A
Mean Survival Time: N/A

Survival Probabilities at Key Time Points:
At time 252.0: N/A%
At time 511.0: N/A%
At time 765.0: N/A%

At time 1,022.0: N/A%

Life Table (First 20 Time Points)

Detailed survival probabilities, events, and at-risk counts over time.

time	at_risk	events	censored	survival
5.000	228.000	N/A	0.000	N/A
11.000	228.000	N/A	0.000	N/A
12.000	228.000	N/A	0.000	N/A
13.000	228.000	N/A	0.000	N/A
15.000	228.000	N/A	0.000	N/A
26.000	228.000	N/A	0.000	N/A
30.000	228.000	N/A	0.000	N/A
31.000	228.000	N/A	0.000	N/A
53.000	228.000	N/A	0.000	N/A
54.000	228.000	N/A	0.000	N/A
59.000	228.000	N/A	0.000	N/A
60.000	228.000	N/A	0.000	N/A
61.000	228.000	N/A	0.000	N/A
62.000	228.000	N/A	0.000	N/A
65.000	228.000	N/A	0.000	N/A
71.000	228.000	N/A	0.000	N/A
79.000	228.000	N/A	0.000	N/A
81.000	228.000	N/A	0.000	N/A
88.000	228.000	N/A	0.000	N/A
92.000	228.000	N/A	0.000	N/A

Note: Showing first 20 of 186 time points.

Nelson-Aalen Cumulative Hazard

Cumulative hazard estimates provide an alternative view of the failure process.

Cox Proportional Hazards Model

Concordance Index (C-index): 0.641

Model Coefficients and Hazard Ratios:

Unnamed: 0: Coef=0.0082, HR=1.008, p=0.0000
inst: Coef=-0.0137, HR=0.986, p=0.1928

age: Coef=0.0040, HR=1.004, p=0.6782
sex: Coef=-0.2911, HR=0.747, p=0.0755
ph.ecog: Coef=0.5700, HR=1.768, p=0.0054
ph.karno: Coef=0.0142, HR=1.014, p=0.1798
pat.karno: Coef=-0.0078, HR=0.992, p=0.2545
meal.cal: Coef=0.0000, HR=1.000, p=0.9640
wt.loss: Coef=-0.0120, HR=0.988, p=0.0813

BUSINESS IMPLICATIONS

• Review detailed results for specific insights
• Consider validation with domain experts
• Use findings to inform strategic decisions

LIMITATIONS AND CAVEATS

• Analysis based on available data only
• Standard statistical assumptions apply
• Results should be validated with additional data sources