

GLM ANALYSIS REPORT

Dataset: test_glm

Analysis Type: Glm

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Platform: ADaaS (Actuarial Data Analysis as a Service)

EXECUTIVE SUMMARY

Completed glm analysis on dataset test_glm. Results show statistical patterns consistent with the data characteristics.

KEY INSIGHTS

- Glm analysis completed successfully
- Statistical models fitted to the data
- Results available for business decision-making
- GLM coefficients indicate feature relationships

MODEL PERFORMANCE

Model metrics are within acceptable ranges for this analysis type.

DETAILED RESULTS

Model Specification

Model Family: Poisson

Link Function: log

Number of Observations: N/A

Number of Features: 2

Goodness of Fit Metrics

AIC (Akaike Information Criterion): 1,234.56

BIC (Bayesian Information Criterion): 1,250.78

Deviance: 1,200.00

Pearson Chi-Square: 1,180.50

Degrees of Freedom: N/A

Model Coefficients (Top 20)

Regression coefficients with standard errors, z-values, and p-values.

age: $\beta=0.0500$, SE=N/A, z=N/A, p=0.0010

gender: $\beta=-0.1500$, SE=N/A, z=N/A, p=0.0500

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