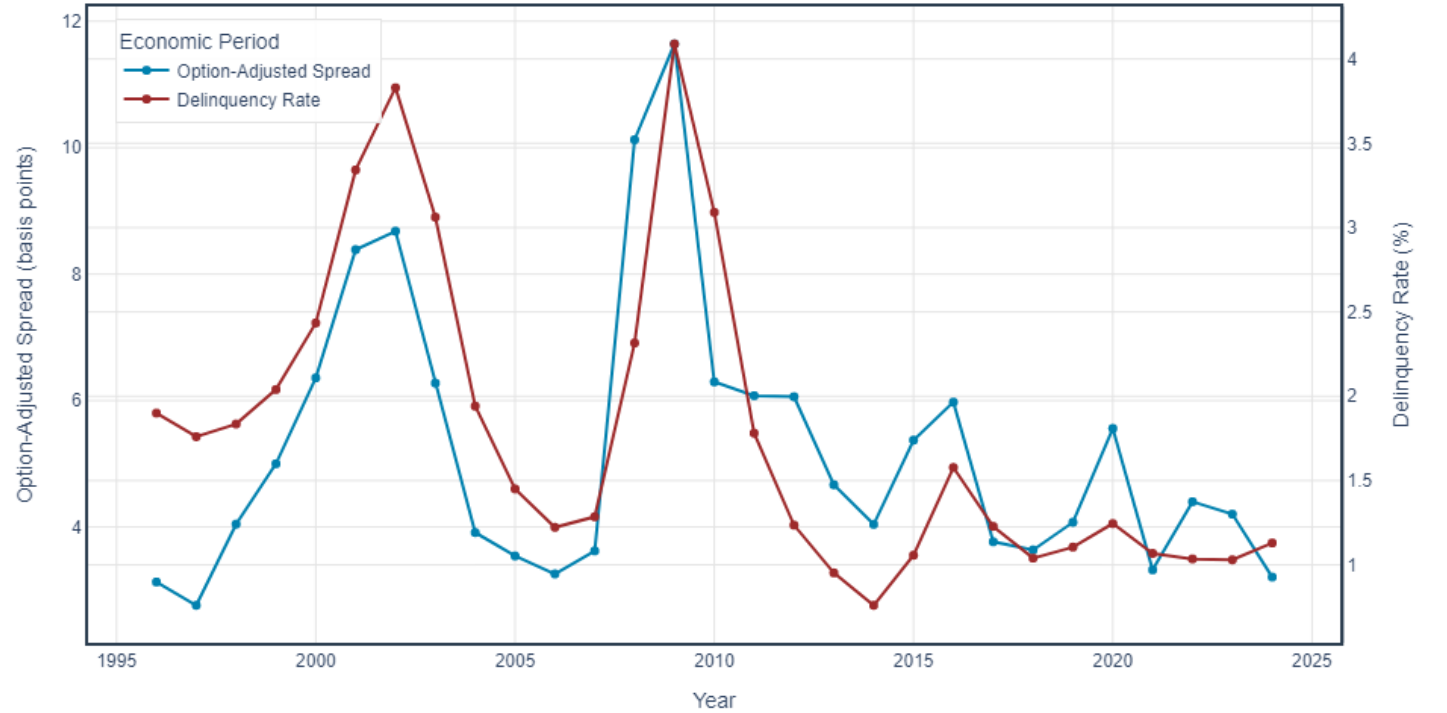


Metric	Pre-GFC (1996-2007)	Great Recession (2008-2010)	Post-Crisis (2010-2020)	Covid to Present (2020-2024)
Credit Spread Analysis				
Average Option-Adjusted Spread	508 bps	1078 bps	516 bps	416 bps
Spread Volatility (Std Dev)	218 bps	495 bps	142 bps	118 bps
Loan Performance Metrics				

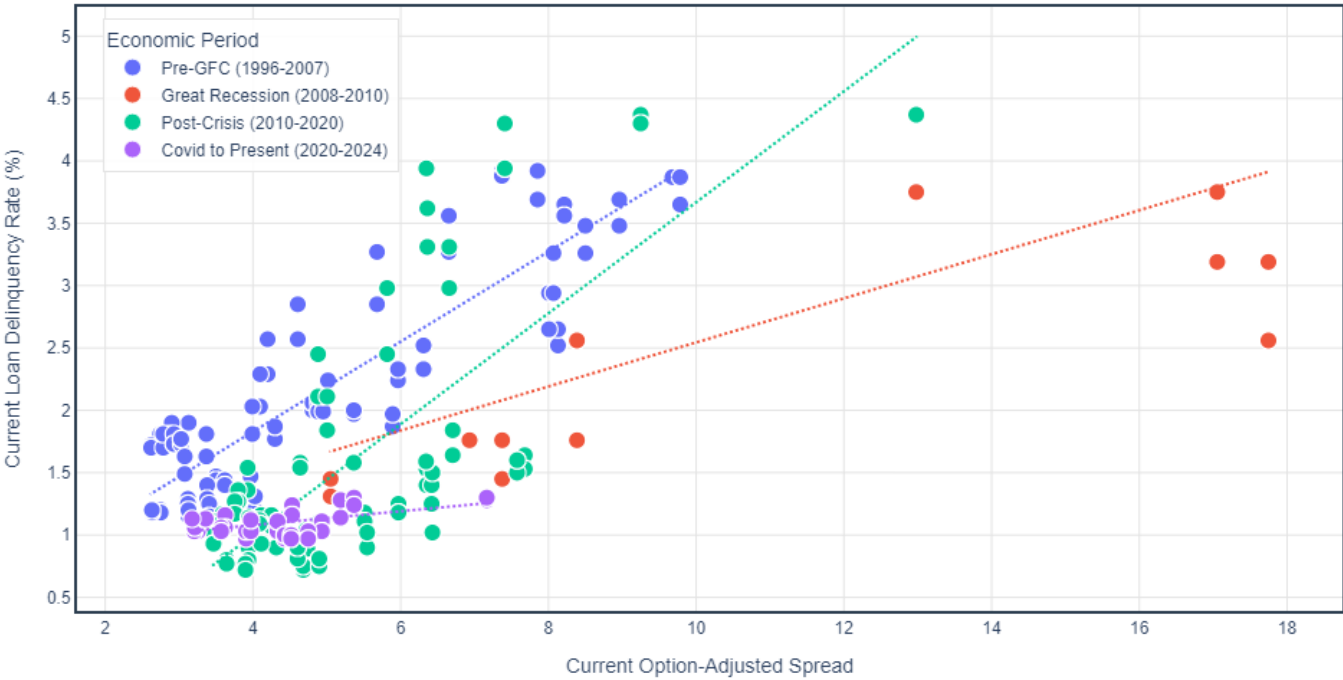
Long-Term Credit Risk Trends

Annual Average Spread vs Delinquency Rate



Corporate Loan Risk Analysis

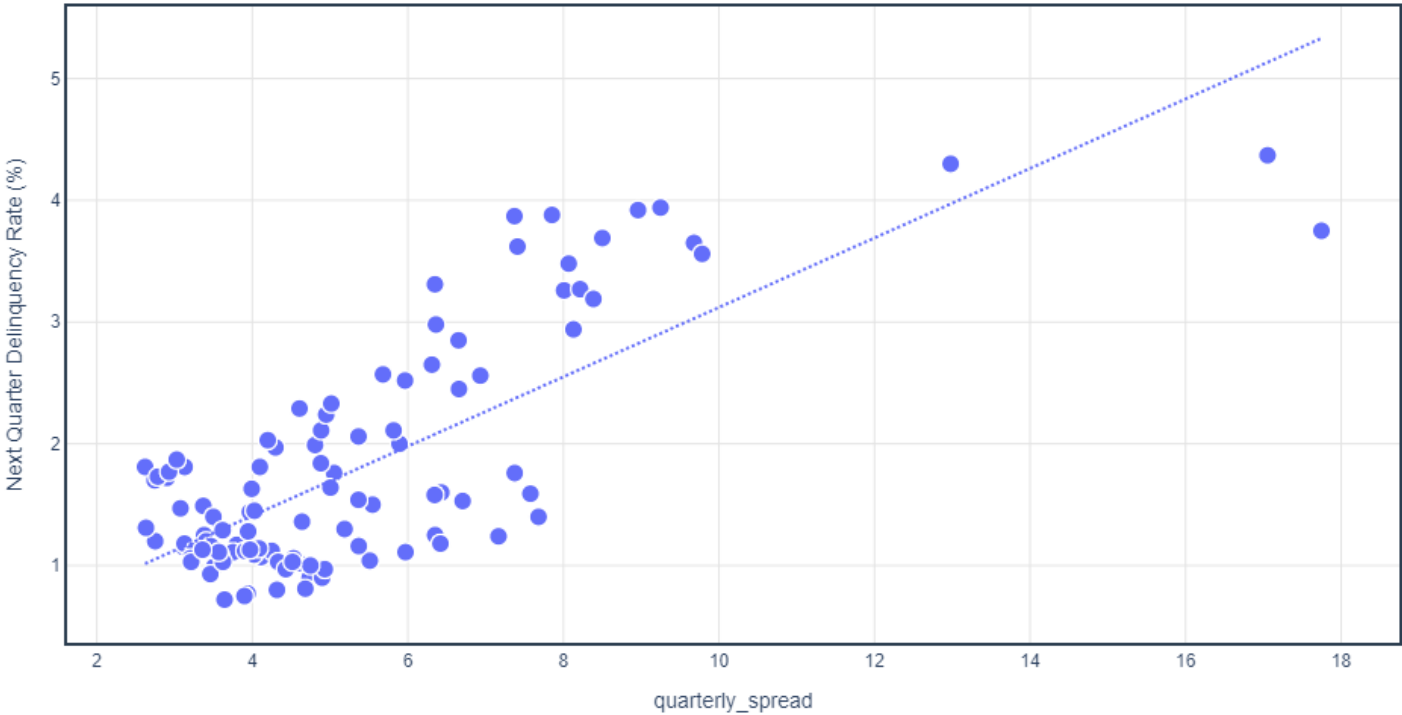
Delinquency Rate vs Option-Adjusted Spread (Correlation: 0.702)



Source: Federal Reserve Economic Data (FRED)

Predictive Risk Analysis

Next Quarter's Delinquency Rate vs Current Option-Adjusted Spread (Correlation: 0.761)



Source: Federal Reserve Economic Data (FRED)