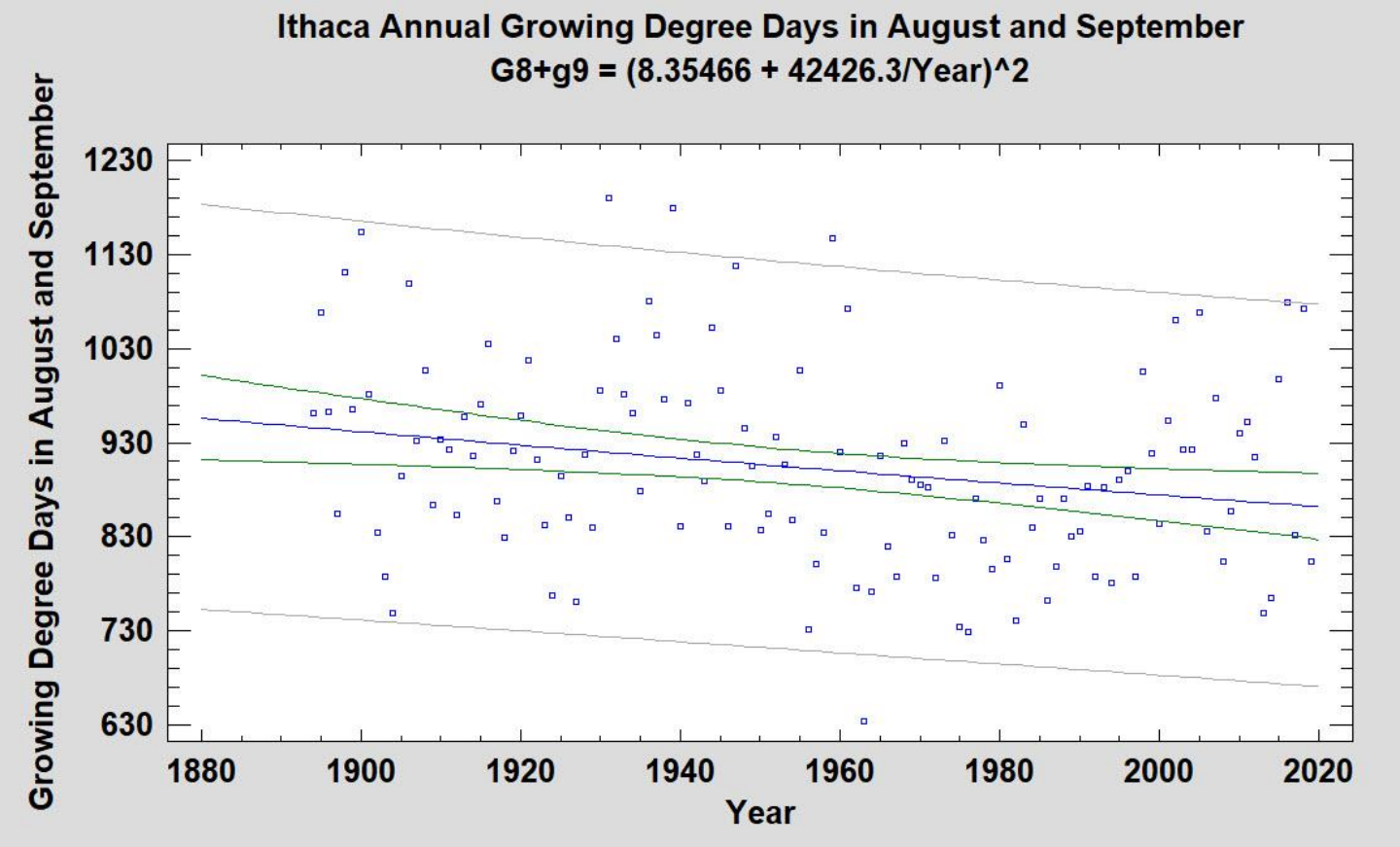
Ithaca August and September growing degree days



Coefficients

	Least Squares	*Standard*	*T*	
Parameter	*Estimate*	*Error*	*Statistic*	*P-Value*
Intercept	8.35466	8.25546	1.01202	0.3135
Slope	42426.3	16143.4	2.62809	0.0097

Analysis of Variance

Source	*Sum of Squares*	*Df*	*Mean Square*	*F-Ratio*	*P-Value*
Model	20.5076	1	20.5076	6.91	0.0097
Residual	368.178	124	2.96918		
Total (Corr.)	388.686	125			

Correlation Coefficient = 0.229699
R-squared = 5.27614 percent
R-squared (adjusted for d.f.) = 4.51224 percent
Standard Error of Est. = 1.72313
Mean absolute error = 1.35459
Durbin-Watson statistic = 1.63828 (P=0.0209)
Lag 1 residual autocorrelation = 0.179334

The StatAdvisor

The output shows the results of fitting a square root-Y reciprocal-X model to describe the relationship between G8+g9 and Year. The equation of the fitted model is

G8+g9 = (8.35466 + 42426.3/Year)^2

Since the P-value in the ANOVA table is less than 0.05, there is a statistically significant relationship between G8+g9 and Year at the 95.0% confidence level.