

Is Florida Getting Warmer?

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1 Results

The Kendall rank correlation coefficient was used to determine whether there is a significant positive relationship between Year and Temperature in Key West, Florida. The correlation coefficient for Year and Temperature is 0.371887, with an approximate, asymptotic p-value of 0. The P-value was calculated using a permutation analysis of 1000 shuffled populations, and is a one-tailed P-value.

2 Discussion

Given that the P-value was below 0.05, the positive correlation indicated between Year and Temperature in Key West is statistically significant. These results suggest that throughout the 20th century, temperature was increasing over time in Key West.

2. Histogram: Distribution of Correlation Coefficients from Shuffled Sam

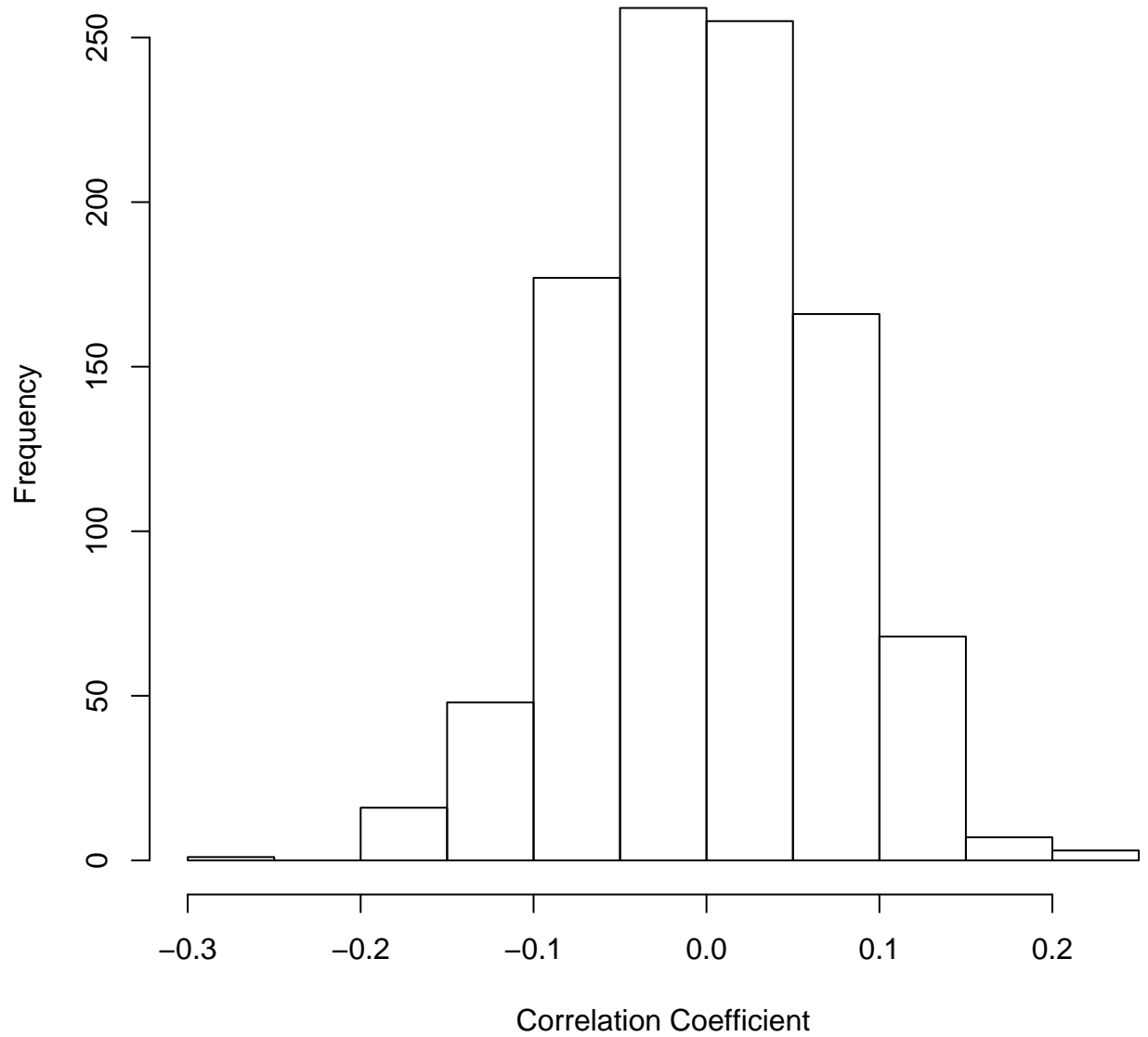


Figure 1. Temperature records by Year in Key West, Florida

