

Correlation of Temperature in Pairs of Years

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1 Methods

A Pearson's correlation coefficient was calculated between the mean annual temperature at Key West, Florida for 1901-2000 (N) with 1900-1999 (N-1). The significance of this was then calculated by repeating the correlation on a randomly sampled set of years 1901-2000.

2 Results

A significant positive correlation was found between temperature of years (N-1) and years (N) ($r_{97} = 0.3262, p < 0.001$), with the p-value consistently < 0.001 when the analysis was re-run.

Figure 1: Correlation of Mean Temperature of Years 1901-2000 (N) with their immediate preceeding year 1900-1999 (N-1).

