



**Learn About Time Series Plots in  
SPSS With Data From the NOAA  
Global Climate at a Glance  
(1910–2015)**

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# Learn About Time Series Plots in SPSS With Data From the NOAA Global Climate at a Glance (1910–2015)

## About This Dataset

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### Data Source Citation

National Oceanic and Atmospheric Administration. (1910-2015). *Climate at a glance* [Data file]. Retrieved from <http://www.ncdc.noaa.gov/cag/>

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### Full title of originating dataset

Climate at a Glance – Global

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### Data author(s) and affiliations

National Centers for Environmental Information, National Oceanic and Atmospheric Administration, U.S. Department of Commerce

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### Dataset source website address

<http://www.ncdc.noaa.gov/cag/>

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### Data Universe

Global-scale temperature information from the Global Historical Climatology Network-Monthly (GHCN-M) dataset and the International Comprehensive Ocean-Atmosphere Data Set (ICOADS)

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## Funding sources/suppliers

National Oceanic and Atmospheric Administration

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## Data collection dates

1880 to Present

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## Time frame of analysis

1910 to 2015

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## Unit of analysis

Geographic Unit

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## Location covered by data

Global

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## Links to SRM content

- Pickup, M. (2015). *Quantitative applications in the social sciences: Introduction to time series analysis*. Thousand Oaks, CA: SAGE Publications, Inc. DOI: <http://dx.doi.org/10.4135/9781483390857>
- Ostrom, C. W., Jr. (Ed.). (1990). *Time series analysis*. (2nd ed.). Thousand Oaks, CA: SAGE Publications, Inc. DOI: <http://dx.doi.org/10.4135/9781412986366>
- Granados, J. (2008). Time series. In S. Boslaugh, & L. McNutt (Eds.), *Encyclopedia of epidemiology* (pp. 1036–1039). Thousand Oaks, CA: SAGE Publications, Inc. DOI: <http://dx.doi.org/10.4135/9781412953948.n457>
- Velicer, W., Hoepfner, B., & Goodwin, M. (2010). Time-series study. In N. J. Salkind (Ed.), *Encyclopedia of research design* (pp. 1520–1529). Thousand Oaks, CA: SAGE Publications, Inc. DOI: <http://dx.doi.org/10.4135/9781412961288.n465>
- Gu, F., & Kingston, N. (2010). Scatterplot. In N. J. Salkind (Ed.), *Encyclopedia of research design* (pp. 1318–1323). Thousand Oaks, CA: SAGE Publications, Inc. DOI: <http://dx.doi.org/10.4135/9781412961288.n403>

- Jacoby, W. (Ed.). (1997). *Statistical graphics for univariate and bivariate data*. Thousand Oaks, CA: SAGE Publications Inc. DOI: <http://dx.doi.org/10.4135/9781412985963>
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## List of variables

### **year**

Year

### **africa**

Africa

### **asia**

Asia

### **europa**

Europe

### **northamerica**

North America

### **southamerica**

South America

### **oceania**

Oceania

### **globalland**

Global Land

### **globalocean Global Ocean**