Visualizing Statistical Data with Matplotlib



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Overview

Understanding the nuances of the boxplot and the violinplot

Plot and customize histograms and pie charts

Visualize autocorrelations and changes from a baseline using stemplots

Customize and use stackplots

Box plots

Violin plots

Histograms

Pie charts

Correlation

The measure of the relationship between two items or variables

self

Autocorrelation

Measures the relationship between a variable's current value and past value

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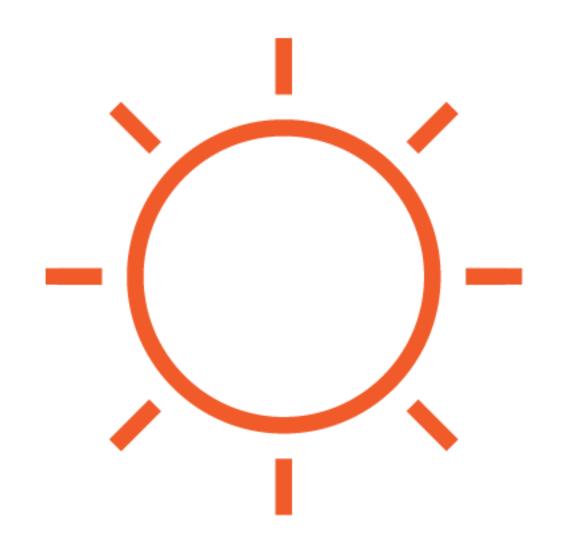


More likely



Today

Tomorrow



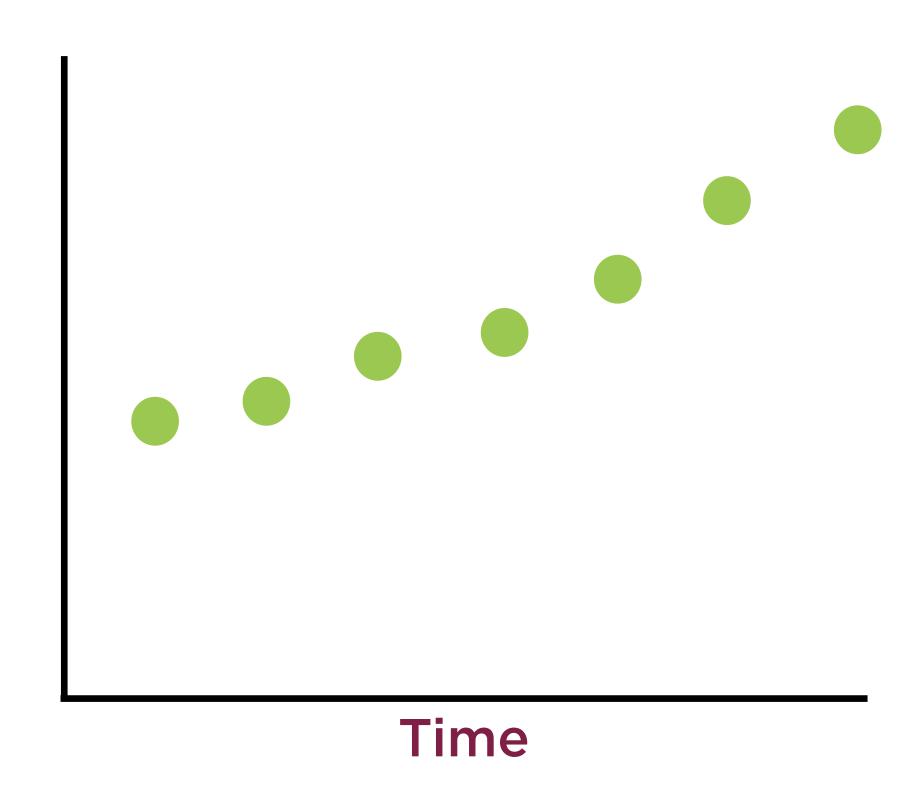
Less likely



Today

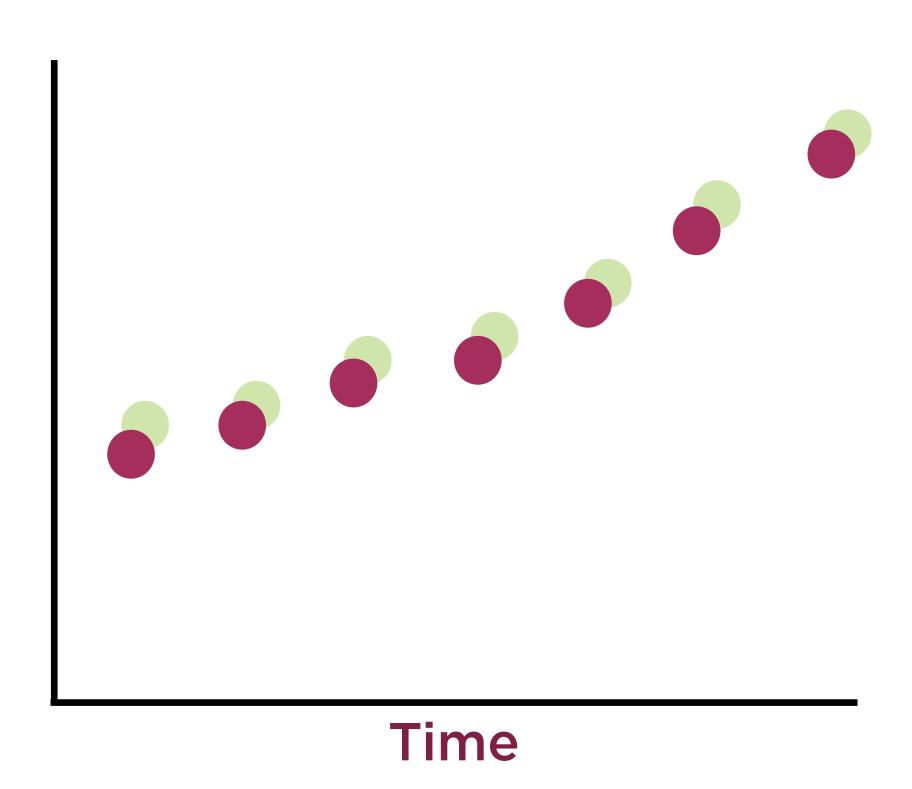
Tomorrow

Same time series is used twice

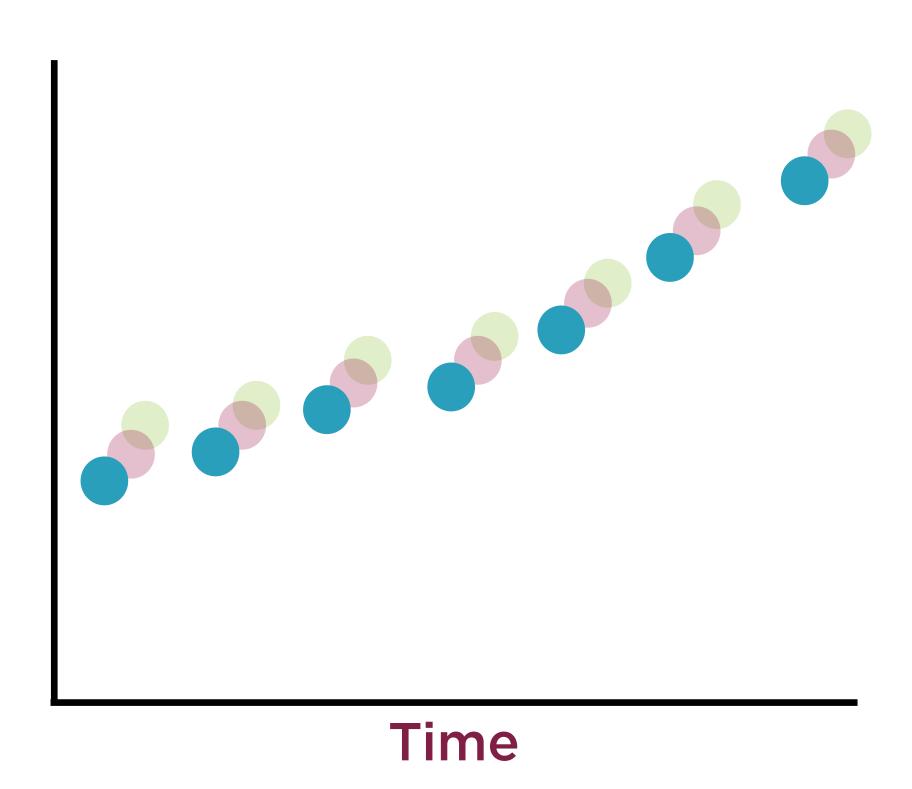


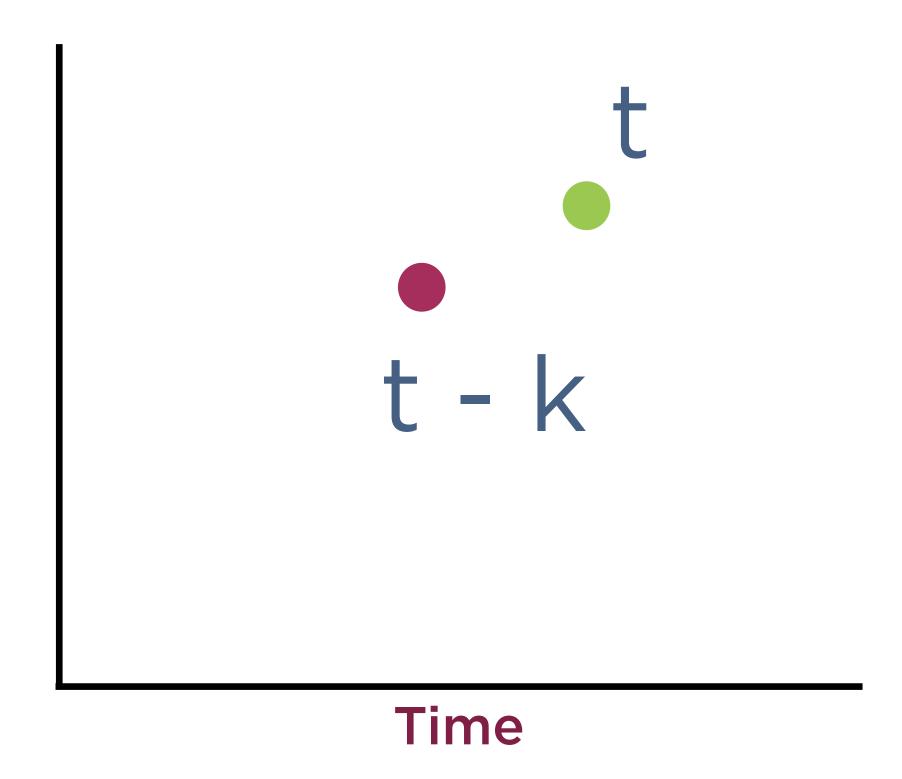
Original form

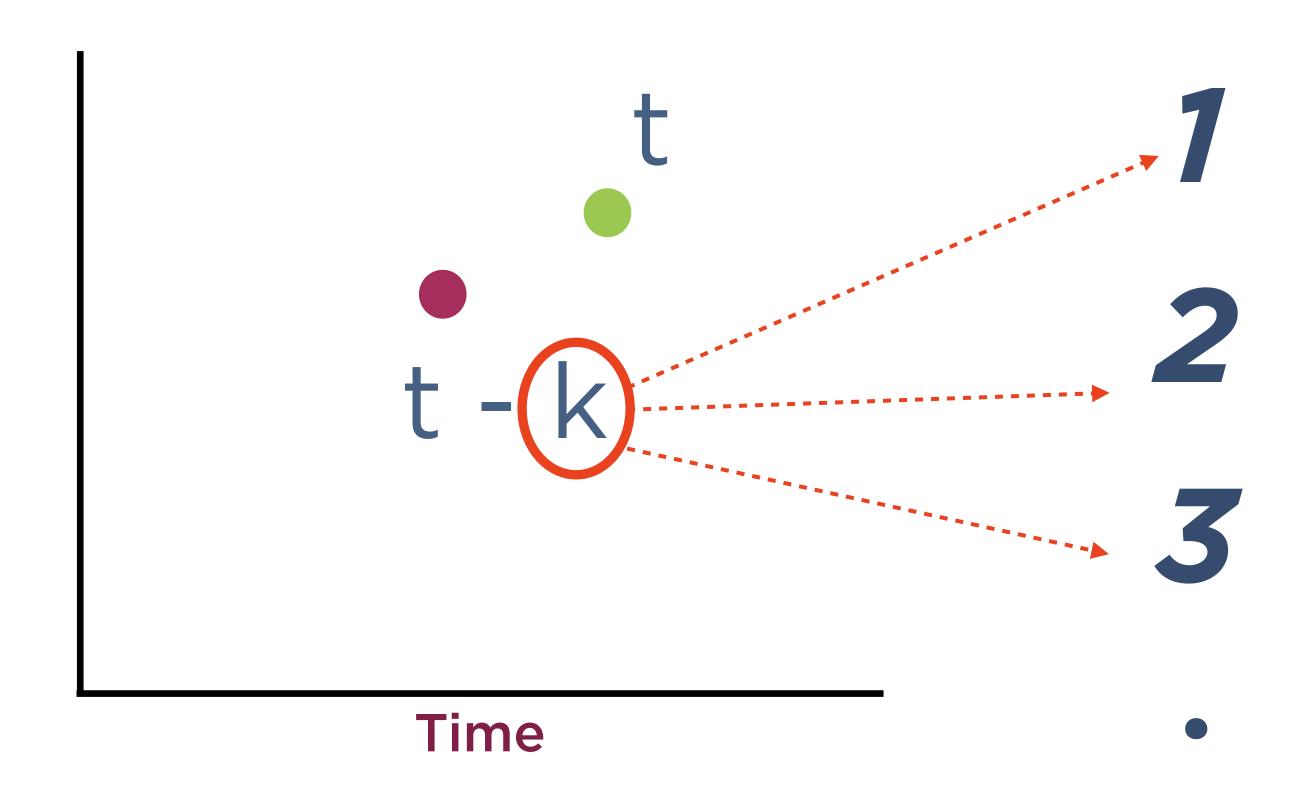
Same time series is used twice



Same time series is used twice









Ranges between

Perfect positive correlation

Perfect negative correlation

Autocorrelation

Stacked plots

Color maps

Summary

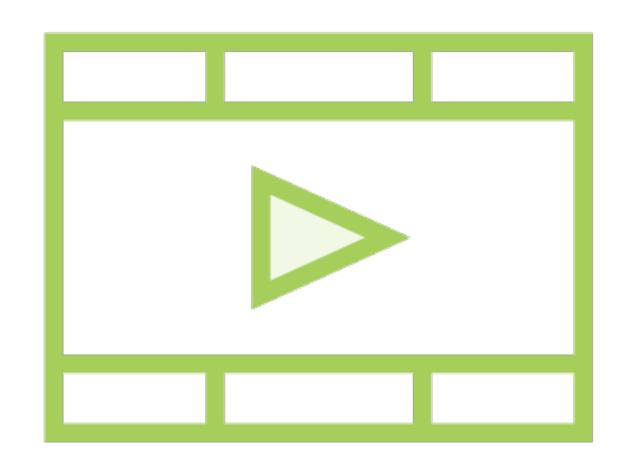
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Prerequisite Courses



Visualizing Statistical Data Using Seaborn

Building Machine Learning Models in Python with scikit-learn

Working with Multidimensional Data Using NumPy