**Time series analysis** is a specific way of analyzing a sequence of data points collected over an interval of time, where analysts record data points at consistent intervals rather than intermittently or randomly. [It helps study trends, patterns, and dependencies over time, making it valuable for forecasting and understanding underlying causes of changes in variables1](https://www.tableau.com/learn/articles/time-series-analysis).

Here are **five free resources** to learn more about time series analysis:

1. [**Tableau’s Time Series Analysis**](https://www.tableau.com/learn/articles/time-series-analysis): This article covers the basics, types, techniques, and examples of time series analysis using Tableau.
2. [**TensorFlow’s Time Series Forecasting Tutorial**](https://www.tensorflow.org/tutorials/structured_data/time_series): Dive into time series forecasting using TensorFlow, including single-step and multiple-step predictions.
3. [**DataCamp’s Time Series Forecasting Tutorial**](https://www.datacamp.com/tutorial/tutorial-time-series-forecasting): Learn about statistical modeling and Python frameworks for time series forecasting.
4. [**Great Learning’s Basics of Time Series in Data Science**](https://www.mygreatlearning.com/academy/learn-for-free/courses/basics-of-time-series-in-data-science): Covers forecasting, multivariate time series, COVID data analysis, and stock market prediction.
5. [**Analytics Vidhya’s Time Series Forecasting Complete Tutorial**](https://www.analyticsvidhya.com/blog/2021/07/time-series-forecasting-complete-tutorial-part-1/): A comprehensive guide to time series forecasting, including R and Python examples.

Feel free to explore these resources to enhance your understanding of time series analysis! 📊🕰️