

Week 1 Quiz

LATEST SUBMISSION GRADE

100%

1.

Question 1

What is an example of a Univariate time series?

1 / 1 point

Fashion items

Hour by hour weather

Hour by hour temperature (Correct)

Baseball scores

2.

Question 2

What is an example of a Multivariate time series?

1 / 1 point

Hour by hour weather(Correct)

Hour by hour temperature

Baseball scores

Fashion items

3.

Question 3

What is imputed data?

1 / 1 point

A bad prediction of future data

A projection of unknown (usually past or missing) data (Correct)

Data that has been withheld for various reasons

A good prediction of future data

4.

Question 4

A sound wave is a good example of time series data

1 / 1 point

True (Correct)

False

5.

Question 5

What is Seasonality?

1 / 1 point

Data that is only available at certain times of the year

A regular change in shape of the data(Correct)

Weather data

Data aligning to the 4 seasons of the calendar

6.

Question 6

What is a trend?

1 / 1 point

An overall consistent flat direction for data

An overall consistent upward direction for data

An overall consistent downward direction for data

An overall direction for data regardless of direction (Correct)

7.

Question 7

In the context of time series, what is noise?

1 / 1 point

Sound waves forming a time series

Unpredictable changes in time series data(Correct)

Data that doesn't have a trend

Data that doesn't have seasonality

8.

Question 8

What is autocorrelation?

1 / 1 point

Data that follows a predictable shape, even if the scale is different(Correct)

Data that doesn't have noise

Data that automatically lines up seasonally

Data that automatically lines up in trends

9.

Question 9

What is a non-stationary time series?

1 / 1 point

One that has a constructive event forming trend and seasonality

One that moves seasonally

One that is consistent across all seasons

One that has a disruptive event breaking trend and seasonality(Correct)