

Week 1 Quiz

LATEST SUBMISSION GRADE

100%

1.

Question 1

What is an example of a Univariate time series?

1 / 1 point

☐

Baseball scores

☐

Hour by hour weather

☒

Hour by hour temperature

☐

Fashion items

Correct

2.

Question 2

What is an example of a Multivariate time series?

1 / 1 point

☒

Hour by hour weather

☐

Fashion items

☐

Baseball scores

☐

Hour by hour temperature

Correct

3.

Question 3

What is imputed data?

1 / 1 point

☐

A bad prediction of future data

☐

A good prediction of future data

☒

A projection of unknown (usually past or missing) data

☐

Data that has been withheld for various reasons

Correct

4.

Question 4

A sound wave is a good example of time series data

1 / 1 point

☐

False

☒

True

Correct

5.

Question 5

What is Seasonality?

1 / 1 point

☐

Weather data

☐

Data aligning to the 4 seasons of the calendar



A regular change in shape of the data



Data that is only available at certain times of the year

Correct

6.

Question 6

What is a trend?

1 / 1 point



An overall direction for data regardless of direction



An overall consistent flat direction for data



An overall consistent downward direction for data



An overall consistent upward direction for data

Correct

7.

Question 7

In the context of time series, what is noise?

1 / 1 point



Unpredictable changes in time series data



Sound waves forming a time series



Data that doesn't have a trend



Data that doesn't have seasonality

Correct

8.

Question 8

What is autocorrelation?

1 / 1 point



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



Data that automatically lines up seasonally



Data that automatically lines up in trends



Data that doesn't have noise

Correct

9.

Question 9

What is a non-stationary time series?

1 / 1 point



One that is consistent across all seasons



One that has a constructive event forming trend and seasonality



One that has a disruptive event breaking trend and seasonality



One that moves seasonally

Correct