

Week 1 Quiz

Quiz, 9 questions

9/9 points (100%)

Congratulations! You passed!

[Next Item](#)1 / 1
point

1.

What is an example of a Univariate time series?**Fashion items****Baseball scores****Hour by hour temperature****Correct****Hour by hour weather**1 / 1
point

2.

What is an example of a Multivariate time series?**Baseball scores**

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9/9 points (100%)**Hour by hour weather****Correct****Hour by hour temperature****Fashion items**1 / 1
point

3.

What is imputed data?**A bad prediction of future data****A projection of unknown (usually past or missing) data****Correct****A good prediction of future data****Data that has been withheld for various reasons**

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9/9 points (100%)

4.

A sound wave is a good example of time series data☒ True**Correct**☐ False**1 / 1**
point

5.

What is Seasonality?☐ Data that is only available at certain times of the year☐ Data aligning to the 4 seasons of the calendar☒ A regular change in shape of the data**Correct**☐ Weather data**1 / 1**
point

6.
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What is a trend?
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9/9 points (100%)

- ☐ An overall consistent flat direction for data
- ☒ An overall direction for data regardless of direction

**Correct**

- ☐ An overall consistent upward direction for data
- ☐ An overall consistent downward direction for data

1 / 1
point

7.
In the context of time series, what is noise?

- ☐ Data that doesn't have seasonality
- ☐ Data that doesn't have a trend
- ☒ Unpredictable changes in time series data

**Correct**

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1 / 1
point

8.

What is autocorrelation?



Data that automatically lines up in trends



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



Correct



Data that automatically lines up seasonally



Data that doesn't have noise



1 / 1
point

9.

What is a non-stationary time series?



One that is consistent across all seasons



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One that has a constructive event forming trend and seasonality



One that has a disruptive event breaking trend and seasonality



Correct

