

✔ Congratulations! You passed!

Grade received 100% To pass 80% or higher

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Week 1 Quiz

Latest Submission Grade 100%

1. What is an example of a Univariate time series?

1 / 1 point

☒ Hour by hour temperature

☐ Fashion items

☐ Baseball scores

☐ Hour by hour weather

✔ Correct

2. What is an example of a Multivariate time series?

1 / 1 point

☒ Hour by hour weather

☐ Hour by hour temperature

☐ Fashion items

☐ Baseball scores

✔ Correct

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. A sound wave is a good example of time series data

1 / 1 point

☒ True

☐ False

✓ Correct

5. What is Seasonality?

1 / 1 point

☐ Weather data

☐ Data aligning to the 4 seasons of the calendar

☐ Data that is only available at certain times of the year

☒ A regular change in shape of the data

✓ Correct

6. What is a trend?

1 / 1 point

☐ An overall consistent downward direction for data

☐ An overall consistent flat direction for data

☐ An overall consistent upward direction for data

☒ An overall direction for data regardless of direction

✓ Correct

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. What is autocorrelation?

1 / 1 point

- ☒ Data that follows a predictable shape, even if the scale is different
- ☐ Data that doesn't have noise
- ☐ Data that automatically lines up in trends
- ☐ Data that automatically lines up seasonally

✓ Correct

9. What is a non-stationary time series?

1 / 1 point

- ☐ One that has a constructive event forming trend and seasonality
- ☒ One that has a disruptive event breaking trend and seasonality
- ☐ One that moves seasonally
- ☐ One that is consistent across all seasons

✓ Correct