

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

1 / 1 point

- ☐ Baseball scores
- ☒ Hour by hour temperature
- ☐ Fashion items
- ☐ Hour by hour weather

✓ Correct

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

0 / 1 point

- ☐ Hour by hour temperature
- ☐ Hour by hour weather

☐ Fashion items

☐

✗ Incorrect

3. What is imputed data?

1 / 1 point

- ☐ A bad prediction of future data
- ☒ A projection of unknown (usually past or missing) data
- ☐ Data that has been withheld for various reasons
- ☐ A good prediction of future data

✓ 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

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

☐ Data aligning to the 4 seasons of the calendar

☐ Weather data

☒ A regular change in shape of the data

✓ Correct

6. What is a trend?

0 / 1 point

☐ [Redacted]

☐ An overall consistent flat direction for data

☐ An overall direction for data regardless of direction

☒ A [Redacted]

✗ Incorrect

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

1 / 1 point

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

✓ Correct

8. What is autocorrelation?

0 / 1 point

- ☐ [Redacted]
- ☐ Data that follows a predictable shape, even if the scale is different
- ☐ [Redacted]
- ☒ [Redacted]

✗ Incorrect

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 is consistent across all seasons.
- ☐ One that moves seasonally.

✓ Correct

