

# Week 1 Quiz

CALIFICACIÓN DEL ÚLTIMO ENVÍO

100%

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

1 / 1 punto

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

 Correcto

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

1 / 1 punto

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

☐ Fashion items

 Correcto

3. What is imputed data?

1 / 1 punto

☐ 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

 Correcto

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

1 / 1 punto

☐ False

☒ True

 Correcto

5. What is Seasonality?

1 / 1 punto

- ☐ 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
- ☐ Weather data

 Correcto

6. What is a trend?

1 / 1 punto

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

 Correcto

7.

1 / 1 punto

In the context of time series, what is noise?

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

✓ Correcto

8. What is autocorrelation?

1 / 1 punto

- ☐ Data that automatically lines up seasonally
- ☒ 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

✓ Correcto

9. **What is a non-stationary time series?**

1 / 1 punto

- ☐ 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



**Correcto**