

Week 1 Quiz

LATEST SUBMISSION GRADE

100%

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

1 / 1 point

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



Correct

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

1 / 1 point

☐ Hour by hour temperature

☐ Baseball scores

☐ Fashion items

☒ Hour by hour weather



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

- ☒ A regular change in shape of the data
- ☐ Weather data
- ☐ Data that is only available at certain times of the year
- ☐ Data aligning to the 4 seasons of the calendar



Correct

6. What is a trend?

1 / 1 point

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

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



Correct

8. What is autocorrelation?

1 / 1 point

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



Correct

9. What is a non-stationary time series?

1 / 1 point

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



Correct