

✓ **Congratulations! You passed!**

Grade received **100%** Latest Submission Grade **100%** To pass 80% or higher

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

1 / 1 point

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

✓ Correct

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

1 / 1 point

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

✓ Correct

3. What is imputed data?

1 / 1 point

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

✓ Correct

6. What is a trend?

1 / 1 point

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

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

✓ Correct

9. What is a non-stationary time series?

1 / 1 point

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

✓ Correct