✓ **Congratulations! You passed!**

Grade
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To pass 80% or
higher

Go to next item

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

   ○ Fashion items

   ○ Hour by hour weather

   ⦿ Hour by hour temperature

   ○ Baseball scores

   ✓ **Correct**

2. What is an example of a Multivariate time series?   1 / 1 point

   ○ Fashion items

   ○ Baseball scores

   ○ Hour by hour temperature

   ⦿ Hour by hour weather

   ✓ **Correct**

3. What is imputed data?   1 / 1 point

   ○ A good prediction of future data

   ○ Data that has been withheld for various reasons

   ⦿ A projection of unknown (usually past or missing) data

   ○ A bad prediction of future data

   ✓ **Correct**

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

◉ True

◯ False

✓ **Correct**

5. What is Seasonality?

◉ **A regular change in shape of the data**

◯ **Data aligning to the 4 seasons of the calendar**

◯ **Weather data**

◯ **Data that is only available at certain times of the year**

✓ **Correct**

6. What is a trend?

◯ **An overall consistent flat direction for data**

◯ **An overall consistent upward direction for data**

◯ **An overall consistent downward direction for data**

◉ **An overall direction for data regardless of direction**

✓ **Correct**

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

◯ **Sound waves forming a time series**

◯ **Data that doesn't have a trend**

◉ **Unpredictable changes in time series data**

◯ **Data that doesn't have seasonality**

✓ **Correct**

8. **What is autocorrelation?**

○ Data that automatically lines up in trends

○ Data that automatically lines up seasonally

○ Data that doesn't have noise

● Data that follows a predictable shape, even if the scale is different

✓ **Correct**

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

○ 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**