Quiz_C4W1

✓ **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?**

   ○ Baseball scores

   ○ Hour by hour weather

   ◉ Hour by hour temperature

   ○ Fashion items

   ✓ **Correct**

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

   ◉ Hour by hour weather

   ○ Fashion items

   ○ Baseball scores

   ○ Hour by hour temperature

   ✓ **Correct**

3. **What is imputed data?**

○ 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**

○ False

◉ True

✓ Correct

5. **What is Seasonality?**

○ 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?

○ An overall consistent upward direction for data

○ An overall consistent flat direction for data

◉ An overall direction for data regardless of direction

○ An overall consistent downward direction for data

✓ Correct

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

○ Data that doesn't have a trend

◉ Unpredictable changes in time series data

○ Data that doesn't have seasonality

○ Sound waves forming a time series

✓ Correct

8. **What is autocorrelation?**

○ Data that doesn't have noise

○ Data that automatically lines up seasonally

○ 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?**

○ One that is consistent across all seasons.

○ One that has a constructive event forming trend and seasonality.

○ One that moves seasonally.

◉ One that has a disruptive event breaking trend and seasonality.

✓ Correct