✓ **Congratulations! You passed!**
TO PASS 80% or higher

Keep Learning

GRADE
88.88%

Week 1 Quiz

LATEST SUBMISSION GRADE

88.88%

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

   ⦿ Hour by hour temperature

   ◯ Fashion items

   ◯ Baseball scores

   ◯ Hour by hour weather

   ✓ **Correct**

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

   ◯ Hour by hour temperature

   ◯ Fashion items

   ⦿ Hour by hour weather

   ◯ Baseball scores

   ✓ **Correct**

3. **What is imputed data?** `0 / 1 point`

   ⦿ A bad prediction of future data

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

   ◯ Data that has been withheld for various reasons

○ Data that has been withheld for various reasons

○ A good prediction of future data

✕ **Incorrect**

4. **A sound wave is a good example of time series data**   `1 / 1 point`

○ False

◉ True

✓ **Correct**

5. **What is Seasonality?**   `1 / 1 point`

○ Weather data

○ 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

✓ **Correct**

6. **What is a trend?**   `1 / 1 point`

○ An overall consistent upward direction for data

○ An overall consistent downward direction for data

◉ An overall direction for data regardless of direction

○ An overall consistent flat direction for data

✓ **Correct**

7. **In the context of time series, what is noise?**   `1 / 1 point`

○ 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?** `1 / 1 point`

○ Data that doesn't have noise

◉ 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

✓ Correct

9. **What is a non-stationary time series?** `1 / 1 point`

○ 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

✓ Correct