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

Keep Learning

GRADE
100%

Week 1 Quiz

LATEST SUBMISSION GRADE

100%

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

   ⦿ **Hour by hour temperature**

   ○ **Hour by hour weather**

   ○ **Fashion items**

   ○ **Baseball scores**

   ✓ **Correct**

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

   ○ **Fashion items**

   ○ **Hour by hour temperature**

   ⦿ **Hour by hour weather**

   ○ **Baseball scores**

   ✓ **Correct**

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

   ○ **A good prediction of future data**

   ○ **Data that has been withheld for various reasons**

   ○ **A bad 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`

◯ **Weather data**

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

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

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

✓ Correct

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

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

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

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

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

✓ Correct

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

◯ **Sound waves forming a time series**

○ Sound waves forming a time series

● Unpredictable changes in time series data

○ Data that doesn't have seasonality

○ Data that doesn't have a trend

✓ Correct

8. **What is autocorrelation?**   1 / 1 point

○ Data that automatically lines up seasonally

○ Data that automatically lines up in trends

○ 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?**   1 / 1 point

○ One that moves seasonally

● One that has a disruptive event breaking trend and seasonality

○ One that is consistent across all seasons

○ One that has a constructive event forming trend and seasonality

✓ Correct