✓ **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

   ○ **Baseball scores**

   ○ **Hour by hour weather**

   ○ **Fashion items**

   ◉ **Hour by hour temperature**

   ✓ Correct

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

   ◉ **Hour by hour weather**

   ○ **Hour by hour temperature**

   ○ **Fashion items**

   ○ **Baseball scores**

   ✓ Correct

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

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

   ◉ **A projection of unknown (usually past or missing) data**

   ○ **A good prediction of future data**

○ A bad prediction of future data

✓ Correct

4. A sound wave is a good example of time series data   0 / 1 point

○ True

◉ False

! Incorrect

5. What is Seasonality?   1 / 1 point

○ Weather data

◉ A regular change in shape of the data

○ Data that is only available at certain times of the year

○ Data aligning to the 4 seasons of the calendar

✓ Correct

6. What is a trend?   1 / 1 point

○ An overall consistent flat direction for data

◉ An overall direction for data regardless of direction

○ An overall consistent upward direction for data

○ An overall consistent downward 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

○ Data that doesn't have seasonality

○ Data that doesn't have a trend

● Unpredictable changes in time series data

✓ Correct

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

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

○ Data that doesn't have noise

○ 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 is consistent across all seasons

○ One that has a constructive event forming trend and seasonality

● One that has a disruptive event breaking trend and seasonality

○ One that moves seasonally

✓ Correct