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

Keep Learning

GRADE
100%

Week 1 Quiz

LATEST SUBMISSION GRADE

100%

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

○ **Baseball scores**

◉ **Hour by hour temperature**

○ **Hour by hour weather**

○ **Fashion items**

✓ **Correct**

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

◉ **Hour by hour weather**

○ **Fashion items**

○ **Hour by hour temperature**

○ **Baseball scores**

✓ **Correct**

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

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

○ **A good prediction of future data**

○ **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`

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

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

○ **Weather data**

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

✓ Correct

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

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

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

○ **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`

○ Unpredictable changes in time series data

○ Unpredictable changes in time series data

○ Data that doesn't have seasonality

○ Data that doesn't have a trend

○ Sound waves forming a time series

✓ Correct

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

○ Data that automatically lines up in trends

○ Data that automatically lines up seasonally

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

○ Data that doesn't have noise

✓ Correct

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

○ One that is consistent across all seasons

◉ One that has a disruptive event breaking trend and seasonality

○ One that has a constructive event forming trend and seasonality

○ One that moves seasonally

✓ Correct