✓ **Congratulations! You passed!**

TO PASS 80% or higher

Keep Learning

GRADE
88.88%

You have new skill scores!

Great job! Keep learning and making progress in your courses to increase your skill scores.**See skills**

Machine Learning	271

Probability & Statistics	136

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`

   ○ **Fashion items**

   ○ **Hour by hour temperature**

   ○ **Baseball scores**

   ⦿ **Hour by hour weather**

   ✓ Correct

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

   ○ **A bad prediction of future data**

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

   ○ **A good prediction of future data**

   ⦿ **A projection of unknown (usually past or missing) 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

○ False

◉ True

✓ 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 upward direction for data

○ An overall consistent flat 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

○ Data that doesn't have seasonality

◉ Unpredictable changes in time series data

○ Data that doesn't have a trend

✓ Correct

8. **What is autocorrelation?**

1 / 1 point

- ○ Data that doesn't have noise

- ○ 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

> ✓ Correct

9. **What is a non-stationary time series?**

0 / 1 point

- ○ One that is consistent across all seasons

- ○ One that has a disruptive event breaking trend and seasonality

- ○ One that moves seasonally

- ● One that has a constructive event forming trend and seasonality

> ! Incorrect

8. **What is autocorrelation?**

1 / 1 point

- ○ Data that doesn't have noise