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1. **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

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

   ◯ Data that doesn't have seasonality

   ◯ Sound waves forming a time series

   ⦿ Unpredictable changes in time series data

   ◯ Data that doesn't have a trend

   ✓ Correct

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

   ◯ Hour by hour weather

   ◯ Baseball scores

   ⦿ Hour by hour temperature

   ◯ Fashion items

   ✓ Correct

4. **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

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

○ Fashion items

◉ Hour by hour weather

○ Hour by hour temperature

○ Baseball scores

⊘ Correct

6. What is a non-stationary time series?   1 / 1 point

◉ 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.

○ One that moves seasonally.

⊘ Correct

7. What is imputed data?   1 / 1 point

○ Data that has been withheld for various reasons

○ A bad prediction of future data

○ A good prediction of future data

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

⊘ Correct

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

○ False

◉ True

✓ Correct

9. **What is Seasonality?**   1 / 1 point

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

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

○ **Weather data**

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

✓ Correct