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

1 point

- ☐ Hour by hour temperature
- ☒ Fashion items
- ☐ Baseball scores
- ☐ Hour by hour weather

2. What is an example of a Multivariate time series?

1 point

- ☐ Hour by hour temperature
- ☐ Baseball scores
- ☐ Fashion items
- ☒ Hour by hour weather

3. What is imputed data?

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

4. A sound wave is a good example of time series data

1 point

- ☒ True
- ☐ False

5. What is Seasonality?

1 point

- ☐ Data that is only available at certain times of the year
- ☐ Weather data
- ☐ Data aligning to the 4 seasons of the calendar
- ☒ A regular change in shape of the data

6. What is a trend?

1 point

- ☐ An overall consistent upward direction for data
- ☐ An overall consistent downward direction for data
- ☐ An overall consistent flat direction for data
- ☒ An overall direction for data regardless of direction

7. In the context of time series, what is noise?

1 point

- ☐ Data that doesn't have seasonality
- ☐ Sound waves forming a time series
- ☐ Data that doesn't have a trend
- ☒ Unpredictable changes in time series data

8. What is autocorrelation?

1 point

- ☐ Data that automatically lines up seasonally
 - ☒ Data that follows a predictable shape, even if the scale is different
 - ☐ Data that automatically lines up in trends
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9. What is a non-stationary time series?

1 point

- ☐ One that moves seasonally
 - ☐ 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
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