**1.**

Question 1

**What is an example of a Univariate time series?**

1 point

**Hour by hour temperature**

**Hour by hour weather**

**Baseball scores**

**Fashion items**

**2.**

Question 2

**What is an example of a Multivariate time series?**

1 point

**Baseball scores**

**Hour by hour temperature**

**Fashion items**

**Hour by hour weather**

**3.**

Question 3

**What is imputed data?**

1 point

**A good prediction of future data**

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

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

**A bad prediction of future data**

**4.**

Question 4

**A sound wave is a good example of time series data**

1 point

True

False

**5.**

Question 5

**What is Seasonality?**

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**

**6.**

Question 6

**What is a trend?**

1 point

**An overall consistent upward direction for data**

**An overall consistent flat direction for data**

**An overall consistent downward direction for data**

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

**7.**

Question 7

**In the context of time series, what is noise?**

1 point

**Unpredictable changes in time series data**

**Data that doesn’t have seasonality**

**Sound waves forming a time series**

**Data that doesn’t have a trend**

**8.**

Question 8

**What is autocorrelation?**

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**

**9.**

Question 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 disruptive event breaking trend and seasonality.**

**One that has a constructive event forming trend and seasonality.**