**Week 1 Quiz**

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

**Hour by hour temperature**

**Fashion items**

**Baseball scores**

**Hour by hour weather**

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

**Baseball scores**

**Fashion items**

**Hour by hour temperature**

**Hour by hour weather**

1. **What is imputed data?**

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

**A bad prediction of future data**

**A good prediction of future data**

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

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

True

False

1. **What is Seasonality?**

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

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

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

**Weather data**

1. **What is a trend?**

**An overall consistent downward direction for data**

**An overall consistent upward direction for data**

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

**An overall consistent flat direction for data**

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

**Unpredictable changes in time series data**

**Data that doesn’t have a trend**

**Data that doesn’t have seasonality**

**Sound waves forming a time series**

1. **What is autocorrelation?**

**Data that automatically lines up in trends**

**Data that doesn’t have noise**

**Data that automatically lines up seasonally**

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

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

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

**One that has a disruptive event breaking trend and seasonality**

**One that is consistent across all seasons W**

**One that moves seasonally W**