Congratulations! You passed!

Grade received 100%   **To pass** 80% or higher

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Week 1 Quiz

Latest Submission Grade 100%

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

    ⦿ Hour by hour temperature

    ◯ Fashion items

    ◯ Baseball scores

    ◯ Hour by hour weather

    ✓ **Correct**

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

    ◯ Fashion items

    ◯ Hour by hour temperature

    ⦿ Hour by hour weather

    ◯ Baseball scores

    ✓ **Correct**

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

    ◯ Data that has been withheld for various reasons

    ◯ A bad prediction of future data

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

    ◯ A good prediction of future data

    ✓ **Correct**

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

○ True

○ False

✓ **Correct**

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

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

    ○ **Weather data**

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

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

    ✓ **Correct**

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6. **What is a trend?**   **1 / 1 point**

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

    ○ **An overall consistent downward direction for data**

    ○ **An overall consistent flat direction for data**

    ○ **An overall consistent upward direction for data**

    ✓ **Correct**

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

    ⦿ **Unpredictable changes in time series data**

    ○ **Data that doesn't have a trend**

    ○ **Sound waves forming a time series**

    ○ **Data that doesn't have seasonality**

    ✓ **Correct**

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8. **What is autocorrelation?**   **1 / 1 point**

    ○ **Data that doesn't have noise**

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

   ○ **Data that automatically lines up in trends**

   ○ **Data that automatically lines up seasonally**

   ⊘ **Correct**

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

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

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

   ○ **One that moves seasonally**

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

   ⊘ **Correct**