# DAD 220 Analysis and Summary

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Replace the bracketed text in this template with your responses to the Module Five Activity for submission, grading, and feedback. Rename this document by adding your last name to the file name before you submit.

1. **Analyze the data** you’ve been provided with to **identify themes**:
   1. Which parts are being replaced most?
      1. [Fuel Tank and tires.]
   2. Is there a region of the country that experiences more part failures and replacements than others?
      1. Identify region:
         1. [Midwest region experiences the most part failures and replacements. It had 260.]
      2. How might the fleet maintenance team use the information to update its maintenance schedule?
         1. [Fleet Maintenance Team can order part ahead of time to be prepared in the region that requires the most fixes. They can offer preventative maintenance on the vehicles in that region and based on the high demand, they can schedule enough number of employees to meet the repair demands. locale that has the most fixes required.]
   3. Which parts are being replaced most due to corrosion or rust?
      1. [Wheel Arch.]
   4. Which parts are being replaced most because of mechanical failure or accident, like a flat tire or rock through the windshield?
      1. [Tire Repair.]
2. **Write a brief summary of your analysis** using nontechnical language**.**
   1. [After completing an analysis for Repair Maintenance, we will be able to identify each state and what is being replaced or repaired the most and why these repairs are needed for each car including the make, model and year. This will be able to help us in identifying the state with the highest needs. In addition, the parts needed for the most common repair.]
3. **Outline the approach** that you took to conduct the analysis.
   1. What queries did you use to identify trends or themes in the data?
      1. [Select was used in all the queries because we needed to parse the data from the multiple location.]
   2. What are the benefits of using these queries to retrieve the information in a way that allows you to provide valuable information to your stakeholders?
      1. [The commands make it easier to keep it organize so it can be read more quickly.]
4. Lastly, **identify how the functions in the analysis tool** allowed you to organize the data and retrieve records quickly so that they demonstrated what you wanted.
   1. [By using ORDER BY, WHERE, and GROUP BY, it allowed us to have the most problems show up first and then allowing us to read off the data faster than if we had not used them. Otherwise, it would’ve been slower.]