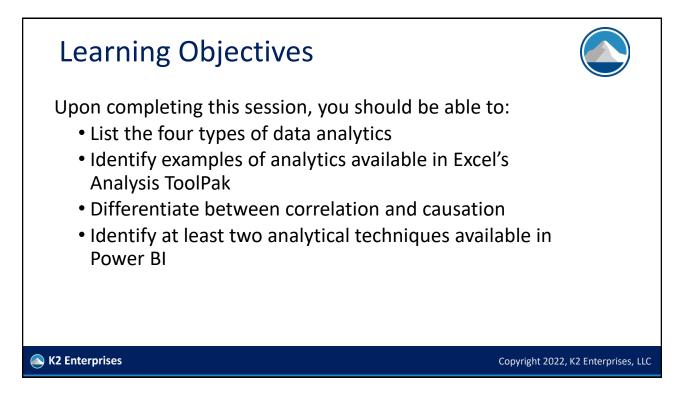


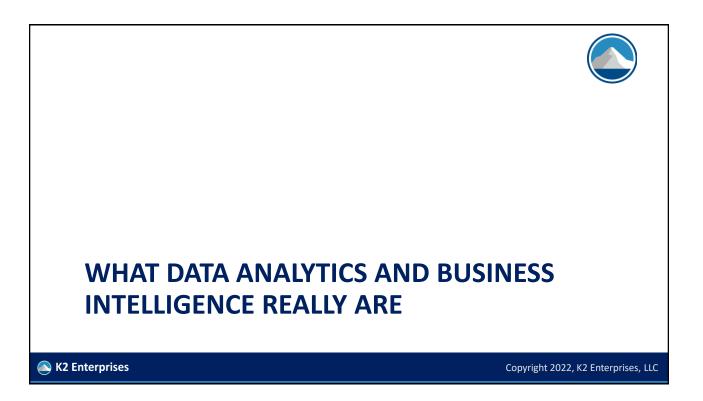
The How's And Why's Of Data Analytics

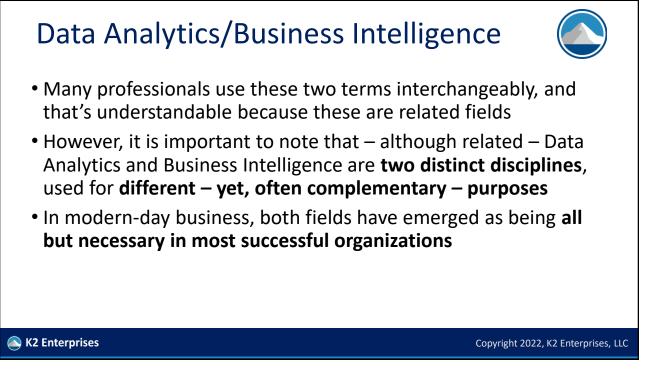


Copyright 2022, K2 Enterprises, LLC









What Is Business Intelligence?



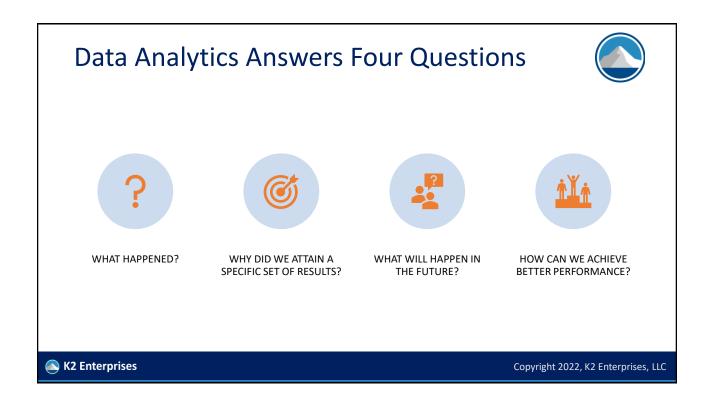
Business Intelligence is a set of procedures, tools, and technologies working in concert to transform raw data – potentially vast quantities of raw data – into meaningful information. Managers can use this information to help make decisions and prescribe courses of action that optimize organizational performance.

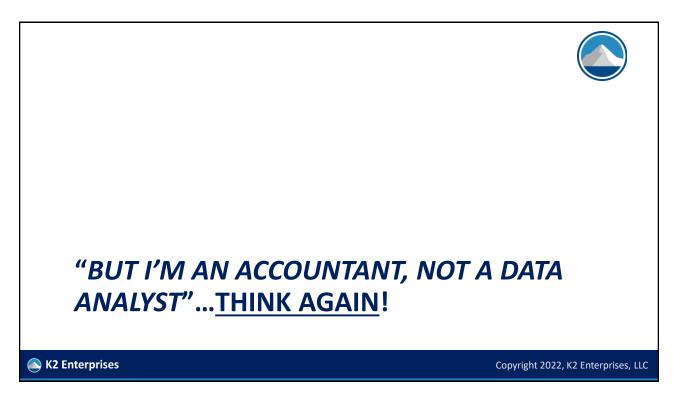
What Is Data Analytics?

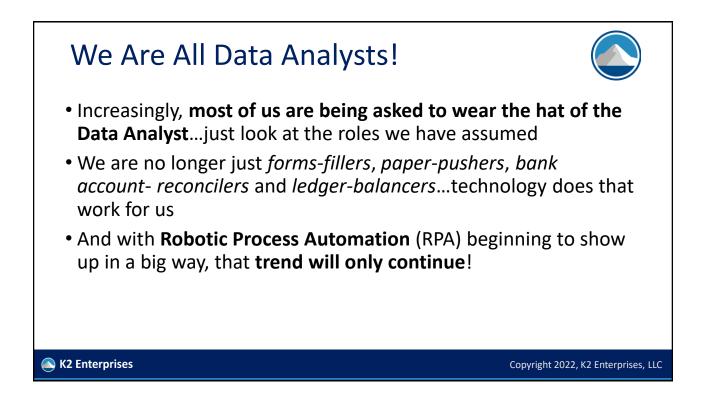
Data analytics is a tool used by BI. More specifically, business professionals use data analytics tools to build data analyses, forecasts, and projections. Data analytics focuses on identifying and managing data that can be useful in identifying **what happened, why it happened, what will happen in the future, and how we can improve**.

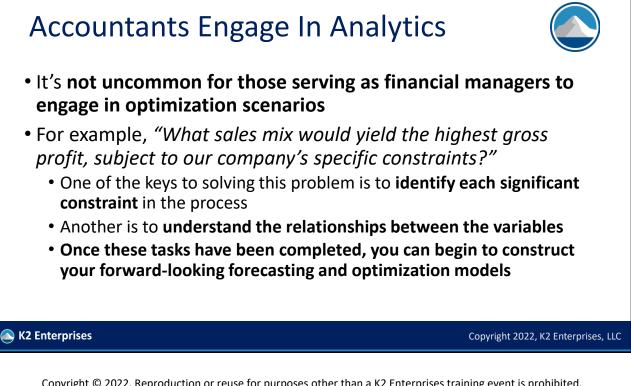
Copyright 2022, K2 Enterprises, LLC

Copyright 2022, K2 Enterprises, LLC









Think About Auditors, For Example Many organizations (not just accounting firms) are beginning to move down the path of continuous auditing, using data analytics tools to alert them in real-time – or very near real-time – of anomalies in the data they are observing This potentially reduces the need to sample data and provides the opportunity to examine 100% of the population in real-time or very near real time or very near real time. As an example, consider the opportunity for auditors to incorporate social media statistics into projections for future sales for a client that operates in the retail space

🖎 K2 Enterprises

Copyright 2022, K2 Enterprises, LLC



An Example...



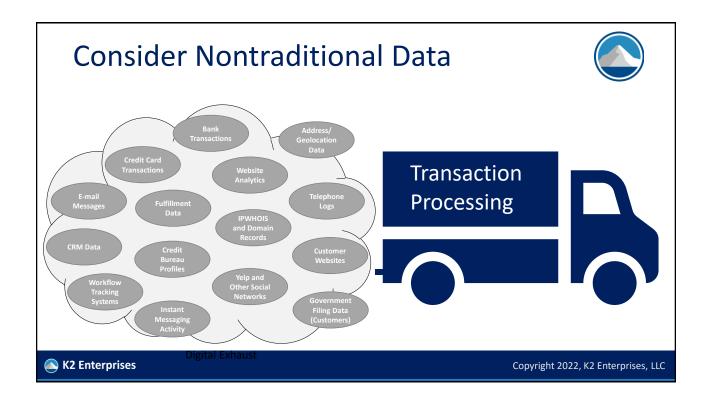
- Someone may ask the question "what is driving sales"
- The <u>Accountant</u> might likely rush to their computer and generate various sales reports – by customer, by item, by region, by salesperson, by channel, by location, etc.– but this provides <u>descriptive</u> information...and, unfortunately, it doesn't answer "what is driving sales"
- Don't be misled, there is value in these reports, but it doesn't really help to answer the question "what is driving sales"
- The Data Analyst would look to other data...

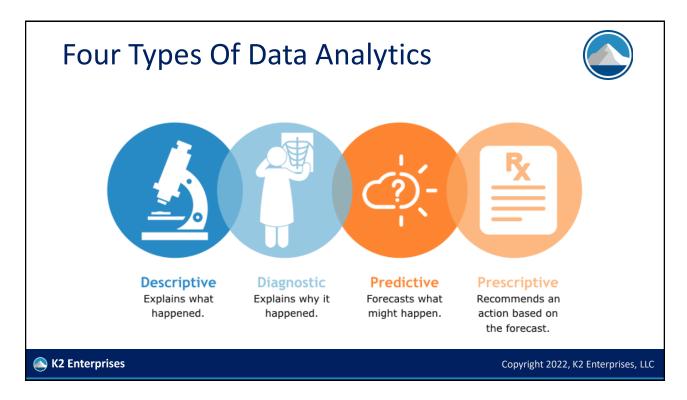
🖎 K2 Enterprises

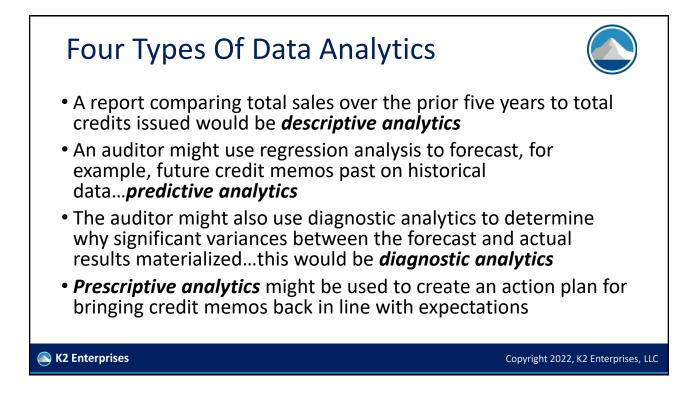
An Example...

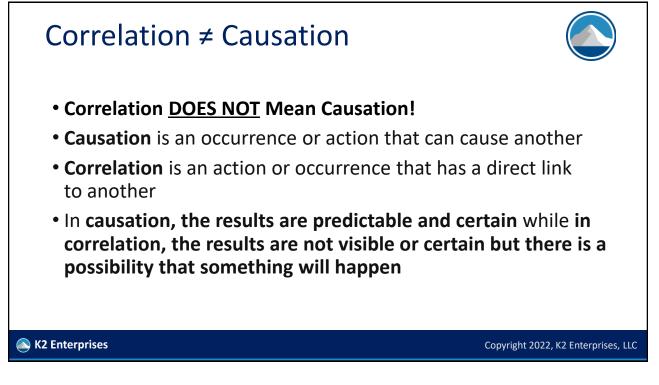
- Once the Data Analyst identifies all the relevant drivers of sales, they would begin to *identify the relationships in the data, create a data model, regress the data,* and *use the outputs to explain what drove sales in the past and, perhaps, build a model*
- However, while the work outlined above may be useful in predicting the future, there is no guarantee that such a prediction will be useful or meaningful
- Why not? It's simple: conditions and circumstances change and as they do, we must revise our models, methods, and formulas

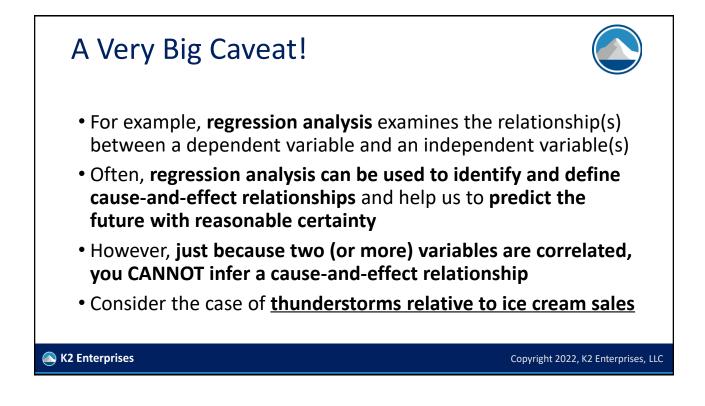
Copyright 2022, K2 Enterprises, LLC

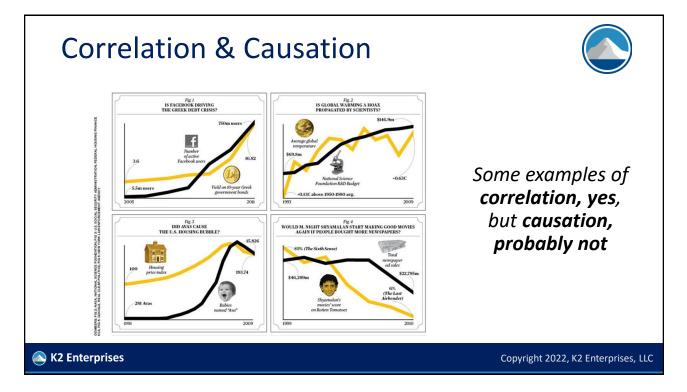




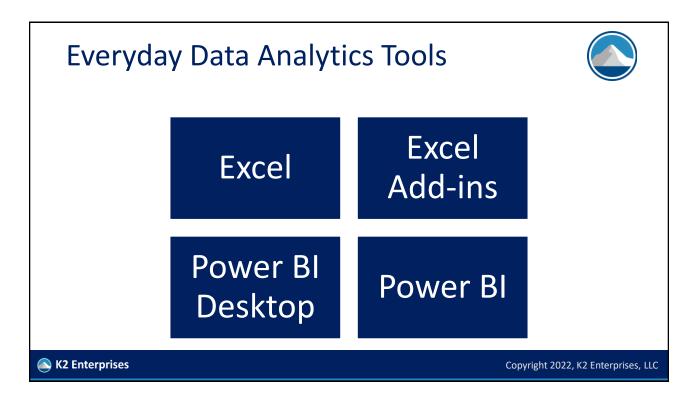


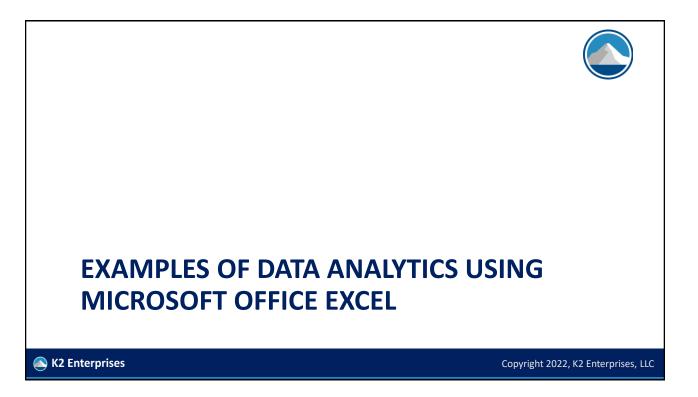


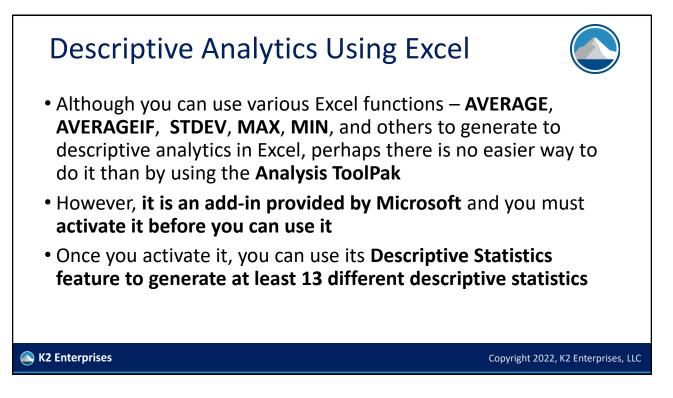


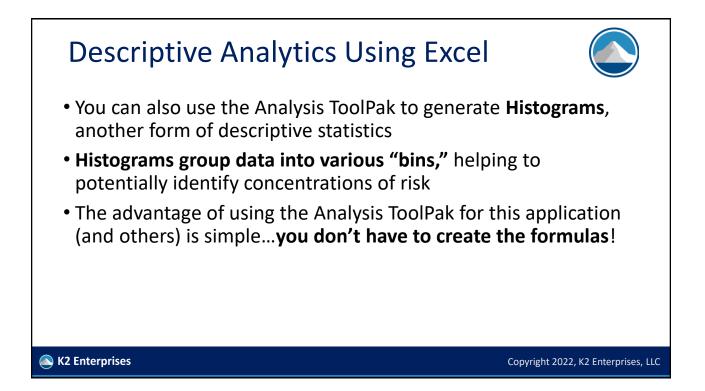


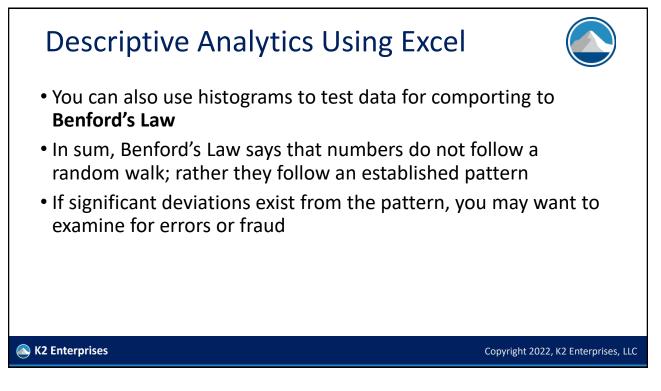


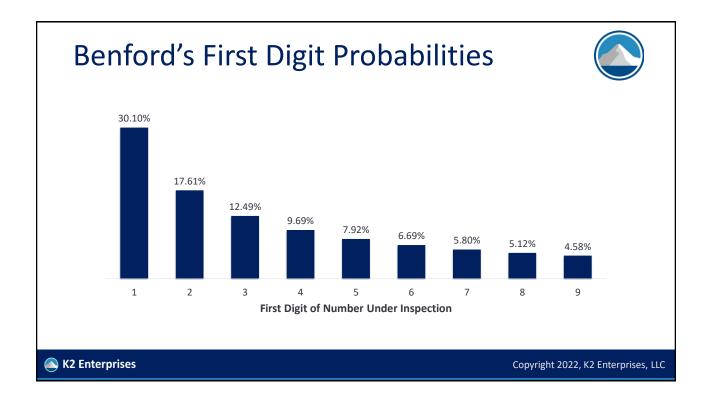


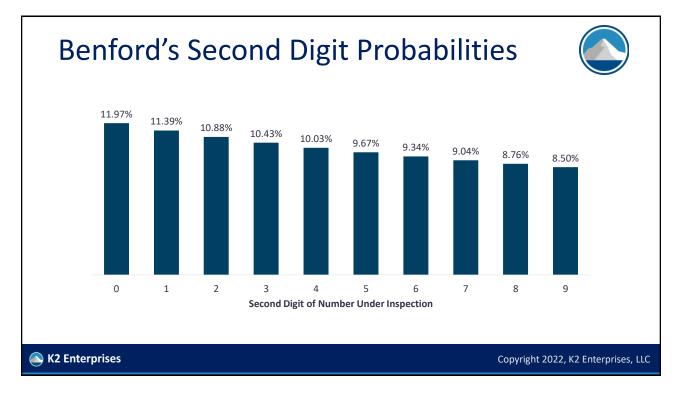


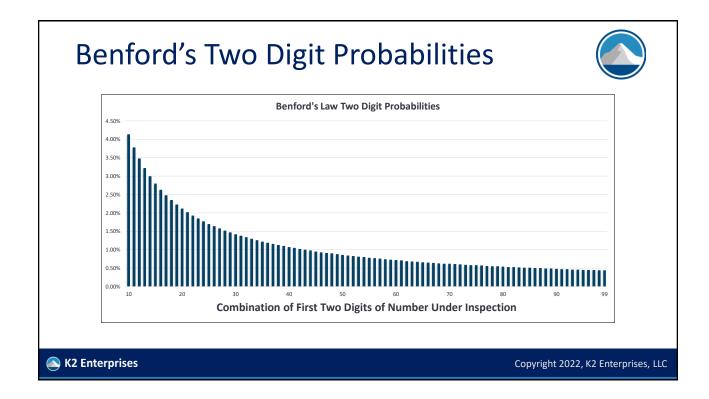


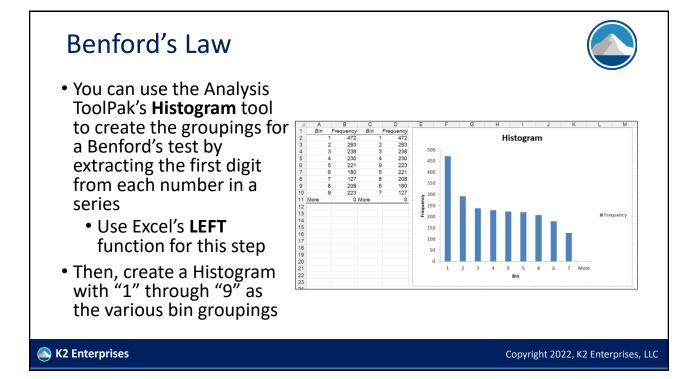


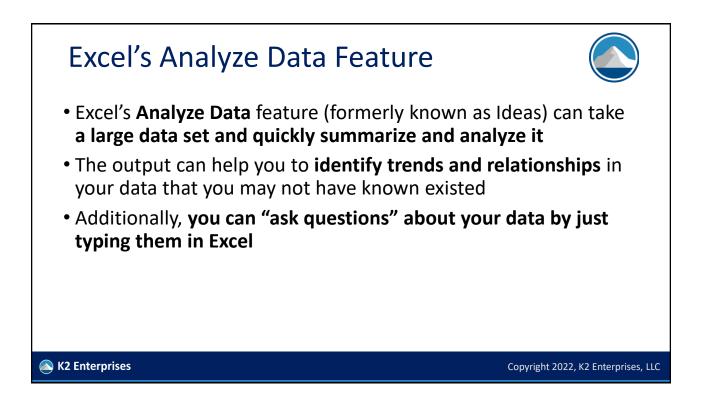


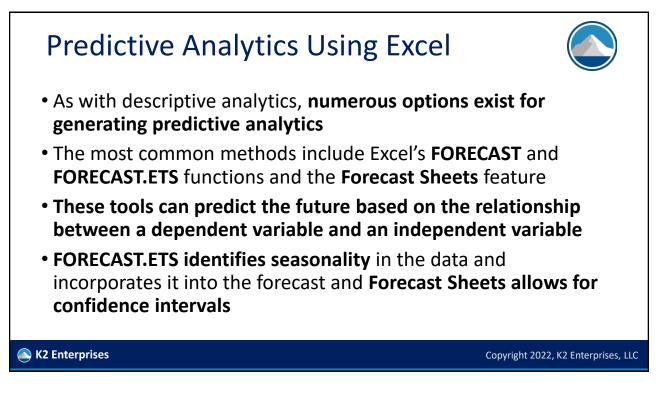


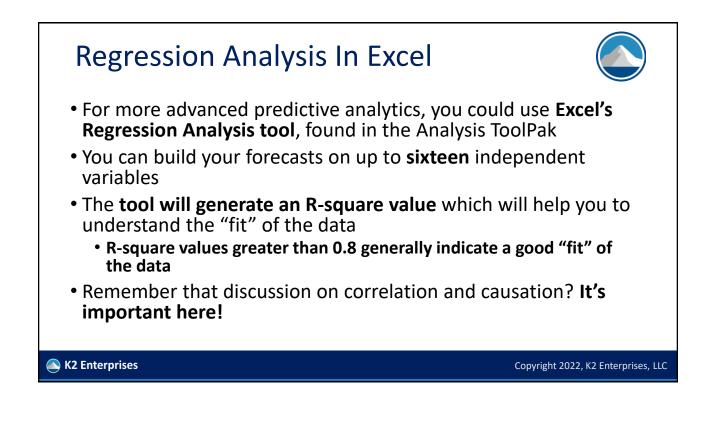


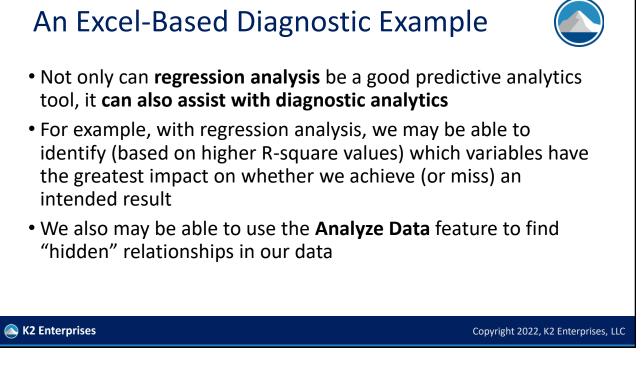












<section-header><section-header><section-header><section-header><section-header><section-header><section-header><list-item><list-item><list-item>

