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1. Retail Top Level Sales Analysis

The Bot includes sales information for the last several years and can be used to allow executives, or analysts and Managers preparing for executive meetings to quickly gather relevant information without going through multiple dashboards, filters and scenarios.

Retailer Executives

Business Questions

What were the top/bottom performing sales regions and stores for each Tier by period (day, week, month, year)

What is the sales forecast for each channel

What were the top selling Categories for each Channel

What was the average discount rate for each top selling Category

What were the top selling brands for each Category and what are their discount rates?

What were the top selling Brands for each Channel and their discout rate

What was the average discount rate for each top selling Brand for each Category

What were the top selling items for each Channel, include their discount rate.

What is the available inventory of upcoming sales inventory for each channel

Retailers can optimize their strategies, identify trends, allocate resources effectively, and make informed decisions to maximize revenue and profitability with information about top-selling categories, brands, and items, as well as inventory availability and days of supply, Additionally, understanding discount rates associated with different categories, brands, and channels allows for more targeted pricing strategies and promotions to drive sales.

2. Retail Store Managers

A Store Manager wants to be eble to analyze his store's sales and best performers as well as lost sales due to lack of inventory

Store Managers

Business Questions

What are the top selling Items in the store last week, month

Is there an increase in units sales of items that are on sale vs same items last week?

What items hit an inventory level of zero in the last week?

What were the traffic trends for the last month?

Did the sale transactions follow the same trend?

How many transactions that included an on sale item also included a regular price item?

What were the average unit sales bt category and the discount rate by category in the last month, looking at daily sales. Can you plot this as a line graph.

What were the brands with the highest sales?

Stores can optimize their strategies, identify trends, allocate resources effectively, and make informed decisions to maximize revenue and profitability with information about top-selling categories, brands, and items, as well as inventory availability and days of supply, Additionally, understanding discount rates associated with different categories, brands, and channels allows for more targeted pricing strategies and promotions to drive sales.

3. Retail Operations and Supply Chain Optimization

By easily tracking key performance indicators such as clothes quantity received and ordered, FOB, material and production cost, identifying seasonality patterns and analyzing trends across various levels, including brands, apparel type, country of origin, vendors and product types. As inefficient inventory management may lead to stockouts or excess inventory, optimal supplier performance is required. Products quantity ordered and received has to be tracked and the right products needs to be availale at the right quantities, while minimizing carring costs and stockouts.

Operation Manager, Supply Chain Manager

Business Questions

What is the ratio of clothes quantity ordered to quantity received, and how does it vary across different product categories?

Are there any trends or patterns in inventory levels that indicate potential stockouts or excess inventory across different seasons?

Which clothing categories and apparel type have the highest profitability?

Are there any seasonal patterns or trends in clothes quantity ordered or received?

Are there any suppliers or vendors with consistently high FOB costs or production costs?

Is there any correlation between material cost and packaging values?

Which product categories have the highest quantity ordered and received?

Are there opportunities to optimize material sourcing strategies?

Which product categories exhibit the strongest seasonality patterns, and how does this impact inventory planning?

What are the top 20 Brands with highest FOB and Cost values?

This initiative aims to enhance decision-making processes, improve inventory management, forecast and planning, supply chain optimization and cost control. By leveraging this data, they can make informed decisions to enhance operational efficiency, improve the process, minimize expenses, and ultimately drive revenue.

4. Retail Merchandizing Managers

The aim is to empower the Merchandizing Manager to idenfity new product opportunities, conduct comprehensive market reaserach to drive innovation and revenue growth. Using main KPIs related to products sales, including profit, amount sold, margin and returns market research can be done much easier. With limited understanding of emerging market trends and customer preferences, there is a risk that products do not align with market demands, leading to lower revenue and lower customer satisfaction.

Merchandizing Managers

Business Questions

What brand has the highest sales amount in the last quarter?

Is there any correlation between product brand and sales amount?

Do certain product categories experience higher return ratesa nd if there is a correlation to product brand?

Are there specific product categories that consistently generate higher profit margins compared to others?

Do customers exhibit different levels of price sensitivity for different product categories or price points?

How do sales volume, profit margins, and return rates vary across different product categories? Is there a pattern?

Is there any correlation between product price and number of returns?

Which items' categories have identified seasonality in sales patterns?

Are there any specific product categories that experience significant fluctuations in demand during certain seasons or time periods?

What are the top 5 products sold with the highest profit margins for each product category?

Enhanced market understading enables product manager to gain deeper inside into customer preferences and market dynamics. It may result in offering innovative products that address market demands and enable customer to capitalize on emerging market opportunities much faster. It also aims at increasing revenue growth with launching successful new products.

5. Retail Optomized Store Staffing

Optimized Store Staff Allocation: Geolocation data enables retailers to analyze customer traffic to determine peak hours and busy areas. With this information, managers can schedule staff more effectively, ensuring the right number of employees are present during busy periods and optimizing staffing levels to reduce cost without impacting conversion rates..

Store Management

Business Questions

How many hours in a week would we save if we lowered all the Region XXXX stores to the average staffing level?
Which stores in Region XXXX have higher than the average staffing level and lower than average traffic rates?
How many hours in a week would we save if we lowered all these stores to the average staffing level?
Which stores in Region XXXX high traffic levels and low sales conversion rates?
Which of these stores have the lowest traffic rates?
How many hours a week would we save if we lowered all these stores to average staffing levels?
What hours of the day did Store XXXX have higher than the average staffing level last week?
What were the average traffic rates during these hours?
How many hours would we save if we lowered these hours to the average staffing level?
What is the forecasted hours for the next 7 days for Store XXXX?

The national average store clerk hourly pay is $15.47 per hour. If you have 22 retail stores in a region and 3.5 average store workers per day in a month your total hours is 19,095 and your total cost is $295,415 per month. If you could optimize your store staffing levels by 10% using traffic and staffing levels to find an optimized store staffing level while maintaining the same coversion ratio (sales) you could save $354,498 in salary cost per year

6. Retail Promotional and Seasonal Sales Analysis

Analysis of how various brands of a multi-brand company contirubte to sales and profits. Ananylsis of protions and price elasticity of various brands

Analysts making decisions on prices

Business Questions
Based on historical data, what are future predicted sales volumes for promotional items compared to non-promotional?
Which price gaps result in maximum sales volume for the focal product compared to certain competitors?
How do volume trends differ by comparable metro areas with promoted / non-promoted prices?
Which retail chains have seen the greatest increase in volume for promoted / non-promoted prices?
Which specific brands within each product category are the most/least sensitive to promotions ?
Which brands consistently achieve the highest sales velocity regardless of pricing?
How does seasonality affect velocity and volume share on promoted/non-promoted items ?
For a specific retail chain, which stores have the highest/lowest velocity per week by price gap between [starting difference] and [ending difference]?
For a specific volume share range, which are the widest/lowest price gaps ?
How does the number of stores selling the focal product change over time for promotional pricing? Non-promotional?
Pricing analysts do a good bit of manual work to determine optimal pricing strategies for products compared to the competition. By using AI to do the initial "slicing and dicing", the analysts can spend time on more strategic tasks that require human expertise, thus increasing productivity.

7. Bank Financial Impact of Sustainability of Financial Products

The bank is very concerned about the concept of sustainability of financial products. It is very important for them to know which results are "sustainable" and to compare them with the total. As the months go by, the aim is to assess whether the sustainability ratio is improving, meeting the corporation's overall objectives.

Business Analysts

Business Questions
What is the impact of the sustainability ratio on the bank's financial performance? Is there a correlation between sustainable results and financial performance?
How does the sustainability ratio affect customer perception and loyalty towards the bank? Is there a relationship between sustainability and customer retention?
What is the effect of the sustainability ratio on the bank's financial risk management? Can sustainability mitigate certain risks or create financial opportunities?
How does the sustainability ratio compare with other key financial performance indicators, such as ROA (Return on Assets) and ROE (Return on Equity)? Are there synergies or
What is the impact of the sustainability ratio on the bank's operational efficiency? Can sustainability drive efficiency and reduce operational costs?
investments and impact capital? Is there a relationship between sustainability and attracting socially responsible investors?
bank operates? Are there patterns or trends that indicate opportunities for improvement in certain regions?
bank? Are there business areas that stand out for their sustainable performance or require additional attention?
are there sustainable products that generate higher returns or have higher customer acceptance?
expansion strategy? Can sustainability be a differentiating factor in new markets and customer segments?

Assess whether sustainability efforts are being productive at the corporate level.

8. Bank Fraud Detection and Prevention

The Bank aims to leverage MicroStrategy's solutions to strengthen its fraud detection and prevention capabilities. By analyzing vast amounts of transactional data in real-time and identifying patterns indicative of fraudulent behavior, The Bank can mitigate risks, protect customer assets, and uphold its reputation as a trustworthy financial institution.

Fraud Analysts, Security Operations teams, and Risk Management personnel

Business Questions
What are the common types of fraudulent activities observed in The Bank's transactions, and how do they vary across different channels (e.g., ATM, online banking, wire transfers)?
Which geographic regions have the highest prevalence of fraudulent transactions, and what factors contribute to this trend?
What are the typical behavioral patterns exhibited by fraudsters, and how can these patterns be distinguished from legitimate customer transactions?
How do changes in customer spending habits or transaction frequency indicate potential instances of account takeover or identity theft?
What are the key indicators of fraudulent activity in credit card transactions, such as unusual spending patterns, high-value purchases, or transactions in foreign countries?
Which merchant categories are commonly associated with fraudulent transactions, and how can transaction data be analyzed to identify high-risk merchants?
What are the latest fraud trends and tactics employed by cybercriminals?
What are the false positive rates for fraud alerts generated by The Bank's systems, and how can these be minimized to reduce unnecessary disruptions for customers?
How effective are current authentication methods (e.g., biometrics, two-factor authentication) in preventing unauthorized access to customer accounts?
What are the potential financial losses and reputational risks associated with undetected fraudulent activities, and how do these impact The Bank's bottom line?

The Bank can use AI to enhance its ability to detect and prevent fraudulent activities in real-time. This proactive approach not only safeguards customer assets and data but also preserves the bank's reputation, instilling trust and confidence among its customer base.

9. Company Travel Card Administrators

Employees can directly ask business-related questions in natural language, and the AI-powered chatbot will provide instant and accurate responses. This eliminates the requirement for employees to have in-depth knowledge of the system's complex structure and the specific reports to run. Instead, they can rely on the chatbot to retrieve the necessary information and insights. This streamlines the process, saves time, and reduces the learning curve for employees. Additionally, the chatbot can continuously learn and improve its responses based on user interactions, ensuring more accurate and relevant answers over time.

Travel Card Administrators

Business Questions
Provide a summary of all transactions made with a particular credit card.
Show me a trend analysis of our marketing expenses over the past three years.
Give me a report on the transactions with missing receipt documentation.
Show me a summary of all outstanding expense reports by employee.
Provide a summary of all transactions flagged as potential policy violations.
Give me a report on the transactions with potential duplicate receipts.
What are the top three vendors in terms of total spend for the current quarter?
Show me a comparison of our expenses across different departments.
Show me a summary of all transactions with a high-risk fraud detection score.
Provide a breakdown of compliance incidents by department for the current fiscal year.

The business value lies in simplifying navigation, enhancing user experience, increasing productivity, and reducing the investment in extensive employee training, ultimately leading to improved operational efficiency and better utilization of CCRS within Bank.

10. Customer Relationship Management

Enhance customer engagement and retention strategies. By gaining deeper insights into customer behavior, preferences, and satisfaction levels, The Bank can tailor its offerings, communications, and services to better meet the needs of its diverse customer base. This approach aims to foster stronger relationships with customers, drive loyalty, and ultimately increase revenue and profitability.

Customer Relationship Managers (CRMs), Marketing Analysts, and Product Managers

Business Questions
What are the key factors influencing customer churn or attrition within different customer segments?
What are the most common reasons for customer inquiries or complaints?
How do demographic trends, such as age, income, and location, impact customer preferences for banking products and services?
What are the characteristics of Bank's most loyal customers, and how can similar traits be identified in other customer segments?
Which marketing channels (e.g., email, social media, in-branch promotions) are most effective in driving customer acquisition and retention?
How do changes in interest rates or economic conditions influence customer savings and investment behaviors?
What personalized product recommendations can be offered to individual customers based on their transaction history, spending patterns, and life events?
How does customer feedback collected through surveys, reviews, and social media channels impact brand perception and customer satisfaction scores?
What are the most profitable cross-selling opportunities for The Bank, and how can these be effectively promoted to customers without being perceived as intrusive?
Which customer segments exhibit the highest levels of engagement with The Bank's digital banking platforms

By harnessing the power of data analytics and insights provided by MicroStrategy's solutions, The Bank can deepen its understanding of customer preferences, behaviors, and needs. This knowledge enables The Bank to design personalized experiences, targeted marketing campaigns, and tailored product offerings that resonate with customers, leading to increased engagement, loyalty, and lifetime value.

11. Bank Branch Performance

Gain insights and support its analysis of branch performance, considering factors like transaction volume, customer traffic patterns, and revenue generation. This data-driven approach optimizes branch operations, and resource allocation, and identifies areas for improvement across its extensive network, ultimately enhancing customer service and operational efficiency

Business professionals, Data analysts, Business Analysts

Business Questions
Which key performance indicators (KPIs) are most relevant for evaluating branch performance, and how are they currently measured?
How do different branches vary in terms of transaction volume, customer traffic patterns, and revenue generation?
What trends or patterns can be identified in branch performance data, and what factors contribute to variations between branches?
How does the performance of individual branches compare to benchmarks or targets set by the bank?
How do branch locations and local economic conditions affect performance metrics such as transaction volume and revenue generation?
How do customer demographics and market dynamics influence branch performance, and how can this information be leveraged?
Are there specific branches that consistently outperform or underperform compared to others, and what factors contribute to these differences?
How do branch-specific operational strategies, such as staffing levels and service offerings, influence overall branch performance and customer satisfaction?
How do seasonal fluctuations and local events impact branch performance?
What insights can be gained from comparing branch performance metrics over time?

Branch Performance Analysis optimizes efficiency, enhances service, and drives growth by allocating resources effectively, tailoring services to local needs, and making data-driven decisions to maintain competitiveness.

12. Payment Solution Analysis

Bank is a financial services company specializing in innovative payment solutions. Their flagship product offers a streamlined installment purchase function designed for both e-commerce and Point of Sale (PoS) transactions. This versatile solution caters to multichannel retailers, providing a seamless and convenient payment experience for customers. AI will be used to enhance Bank's operational efficiency, strategic decision-making capabilities, and financial performance by leveraging data insights to understand causation, customer behavior dynamics, and key operational metrics.

Business Analysts

Business Questions
How does the sales performance of Bank's top-selling products or services vary across different regions and customer segments?
What growth opportunities can be identified within largest customer base, and how can they be capitalized on?
What trends are emerging in customer purchasing services and products?
How does the adoption rate of payment solutions vary across different customer regions?
How do customer preferences for payment methods differ among various demographic segments served by Bank?
What are the key drivers behind customer satisfaction and loyalty towards payment solutions, and how can they be enhanced?
What trends are emerging in the utilization payment solutions for online versus in-store transactions?
How do trends influence the shift towards online channel payments compared to traditional payment methods in different regions?
How does the volume of online payments compare to traditional payment methods within Bank's operations?
In which customer segments or regions do online payments show the highest adoption rates compared to traditional payment methods?

Bank seeks to leverage AI-driven analytics to enhance payment solutions, streamline transaction processes, and improve financial performance. By employing advanced analytics, Bank aims to optimize payment processing, enhance customer experience, and ultimately drive revenue growth and profitability.

13. Hospital Revenue Cycle Managment - Denied Claims

Denied Claims are a direct impact on the bottom line of any HealthCare organization as they require re-work which is not preferred by anyone working in the Revenue Cycle Chain. It requires additional effort, time and man power to be allocated to correct a mistake and therefore any effort that will help track down the reasons for Claims being denied and help bring the % below industry standards will allow the organization to improve their financial standing and reputation and provide more time for focusing on their main service which is providing healthcare.

Revenue Cycle Managers and Executives, Billing ManagersHealth Information Management (HIM) Professionals, Insurance and Payer Relations Teams

Business Questions

How many claims were Denied during the chosen period?

What was the rate of Denied Claims?

What are the top 10 reasons why claims are being denied?

What is the first pass Denial rate?

What is the average time taken to resolve denied claims? i.e. how long does it take to appeal a denied claim and adjudicate it?

What is Claims rejection rate?

What is the Provider Appeal Succes Rate?

Which claims have been Denied in the chosen Reporting period for a specified Denied Reason? For example: Show Denied Claims caused by coding errors.

What is the rate of Claims Resubmission?

Are there specific payers or insurance plans that consistently contribute to a higher rate of claim denials? Provide a threshold.

A Denied Claims Bot provides real-time insights into the reasons why insurance claims are rejected, enabling organizations to identify and address issues promptly. This tool enhances operational efficiency by streamlining the claims resolution process, reducing the time and resources spent on rework.

14. Mortality Rates by Hospital, Department and Disease

Head of Hospital needs to know general KPIs about in his hospital. How much time is passes from diagnosis to full treatment procedure. Which element of the procedure is most inefficient. They need to know mortality rates throughout different hospital departments by cause of death.

Head of Hospital

Business Questions
Which of the departments have highest/lowest mortality rates?
What is average cost per case?
What is average length of stay of the patient and does it vary between departments?
How many patients are readmitted to the hospital after being discharged?
Is there a correlation between readmission and low performance during treatment?
Was the procedure completed within the required time frame? If not, which steps took longer than the target time?
What was the performance of the 3hr bundle summary? Were there any outliers?
What's the overall compliance rate by discharge month?
What is the number of opportunity cases trend by discharge month?
For non compliant cases how long did they take to complete?
Lowering mortality rates. Identifying bottlenecks in the procedure. Estimating the costs.

15. Clinical Cost Analysis

Auto Answers Dashboard or AI Bot for clinical analyses of cost, prevalence, health risk and adherence to evidence based treatment guidelines

Doctors and Healthcare institutions in US

Business Questions
What are top 5 regions with the most diabetes occurance?
What is the correlation between age and alcohol consumption?
What are top 10 Healthcare institutions with the highest number of patients paying on time?
What patterns of medication adherence are observed among different demographic groups?
How many children and teenagers in California are in high obesity range?
Which state has the highest death rate?
What is the correlation between gender and diabetes?
What are top 5 states with the most obesity occurance?
Which healthcare institutions has the highest surgery occurance rate?
How many smokers have the heart disease?

Insightful and quick clinical analyses of cost, prevalence, health risk and adherence to evidence based treatment guidelines.

16. OSHA

For each region and division, they want to analyze the important incidents (lost time and recordables) and act to prevent potential hazard incidents to become serious ones.

Operations and Safety Management

Business Questions
What is the rate between potential hazard (near-miss) and recordable incidents, by region and division?
Vehicles incidents are more likely on specific days of week or at specific times of the day?
What is the trend of near-miss incidents for the last 12 months? Are they decreasing over time? If not, why?
What is the incident rate by employee tenure range?
What is the incident rate by work shift?
What locations have more vehicle incidents inside company site?
What is the first-aid incidents distribution by department and region?

Analyzing the incidents over time will help identifying what drives the recordable incidents and will make possible to work pro-actively to reduce them. This will positively impact the company safety and the financial results.

17. Call Center

Customer Support via Call Center Function - AI-enabled bot to provide details of a customer 360 view, including customer usage, preferences, and trends. Results in improved call metrics, greater customer satisfaction, personalized customer service, improved work flows, enriched product marketing and services positioning, and CC rep efficiency

Customer Services Personnel: Call Center Reps (Teammates), Call Center Managers

Business Questions

What business and operational drivers impact Customer Satisfaction Ratings?

How is Call Hold and/or Transfer Times correlated to Customer Satisfaction Ratings?

What Levers (Offers) are the most accepted/used and are most associated with Customer Success (Sold items on Auction Site Use Case)?

Which CCR's have the highest Recontact Rates?

Which resolution paths result in the highest Customer Satisfaction Ratings?

Which resolutions result in the highest recontact rates and how does that impact overall Customer Satisfaction?

Given previous and current trend, what is the forecast for my group's overall performance?

What offerings are my customers not using that others are using for increased?

Which CCR's exceeded performance targets for the last quarter? Which CCR's are expected to exceed their performance targets in the upcoming quarter?

What is my customer's relative Health ranking? Are there offerings I should recommend?

Optimize Customer Satisfaction and Retention

18. Restaurant Managers

Leveraging data analytics, the Chatbot aims to provide actionable insights into sales performance, customer preferences, and operational trends. By analyzing sales data, customer feedback, and market dynamics, the Bot assists in optimizing menu offerings, enhancing customer satisfaction, and informing strategic decision-making. With its ability to access and interpret vast datasets, the Bot serves as a valuable tool for restaurant management, enabling them to make informed decisions, improve operational efficiency, and drive business growth.

Restaurant managers, operations managers, and executives, to gain insights into sales performance, customer feedback, and operational efficiency for informed decision-making.

Business Questions
What are the top-selling menu items across different locations
Can you identify any seasonal trends in customer preferences or dining habits?
Which menu items receive the highest customer satisfaction ratings. Follow up question - How does this correlate with sales performance?
Are there any opportunities to optimize menu offerings or pricing strategies based on sales data and customer feedback?
How do sales metrics differ between dine-in, takeout, and delivery orders?
Can you provide insights into peak dining hours and table turnover rates to optimize staffing and reservations?
Are there any geographical patterns that could create targeted marketing strategies?
How do limited-time offerings impact sales?
Can you predict future sales trends or demand fluctuations based on historical data?
How do customer satisfaction ratings vary between dine-in and online ordering experiences?

Optimizing menu offerings, enhancing customer satisfaction, and improving operational efficiency for The Restaurant. By analyzing sales data, customer feedback, and market trends, the bot enables informed decision-making, leading to increased revenue, customer loyalty, and overall business success.

19. Personalized Wine Recommendation and Marketing

Generative AI can analyze vast amounts of customer data, including past purchases, demographics, and online behavior. Based on this data, the AI can create personalized wine recommendations for each customer. Winery can leverage this for targeted marketing campaigns suggesting specific wines or pairings through email, social media, or even on their website. This can increase customer engagement and sales.

Marketing Team, Sales Team

Business Questions
What are the most popular wine types among customers with similar profiles (demographics, purchase history)?
Which new releases are most likely to appeal to specific customer segments?
Can we identify customer groups who haven't purchased recently and suggest wines likely to reignite their interest?
What personalized promotions or discounts would be most effective for different customer segments?
How can we tailor website recommendations and marketing messages to individual customer preferences?
What are the emerging wine trends among specific customer demographics?
Can AI predict seasonal buying patterns and suggest targeted campaigns accordingly?
How can we leverage social media data to personalize wine recommendations for followers?
What content (blogs, recipes, etc.) would be most engaging for different customer segments based on their wine preferences?
Can AI personalize wine pairing suggestions for specific meals or occasions?

Customers buying more wine thanks to spot-on suggestions. Effective marketing that speaks directly to their tastes

20. Faster and More Creative Wine Development

Generative AI can be used to analyze existing wine characteristics and consumer preferences. Then, it can generate new wine blends or flavor profiles that might be appealing to target markets. This can significantly speed up the often lengthy process of wine development while also allowingWinery to explore innovative flavor combinations.

Winemakers, Product Development Team

Business Questions
Based on current market trends and consumer preferences, what are promising new grape varietals or blends to explore?
Can AI identify unique flavor profiles that might appeal to specific target markets?
How can AI optimize existing wine blends to improve consumer appeal while maintaining production efficiency?
Can AI predict the aging potential of new wine blends to guide investment decisions?
What are the potential risks associated with launching a new wine based on AI-generated suggestions?
How can we leverage AI to experiment with innovative winemaking techniques or fermentation methods?
Can AI analyze historical weather data to predict the impact on grape quality and adjust winemaking strategies accordingly?
How can AI be used to optimize grape sourcing based on desired wine characteristics?
Can AI streamline the sensory evaluation process by identifying key taste profiles efficiently?
What are the ethical considerations of using AI in wine development (e.g., preserving traditional methods vs. innovation)?

Develop unique blends that perfectly match consumer desires. Optimize production for existing wines. Data-driven decisions throughout the process.

21. Product Packaging Labeling Analysis

Every product package sold by a company features printing, a process more intricate than it appears. Each market imposes its own stringent legal requirements, often subject to change. There's no margin for error, as compliance ensures the product's viability in the market. Surprisingly, even large companies manage artwork processes manually, leaving room for human error. Additionally, numerous PDFs containing market-specific requirements could be efficiently processed by AI

Artwork specialists and artwork managers

Business Questions

With which workload operator makes most mistakes?
How many artwork elements are there per selling category?
Which type of artwork element had most quality incidents last 5 years?
What is our forecasting accuracy?
Which type of technical drawing has the most artwork reworks?
What are legal requierements for artwork on specific market?
Is this artwork compliant with local market legal requirements?
Is artwork print feasible according to printer specifications?
What is the ratio of total artwork development cost comparing to total net benefit per unit?
What market has the highest frequency of an artwork change?

Every error on the artwork incurs tangible costs, as products cannot be sold in the market, risking both customer trust and the company's reputation. Utilizing AI can significantly reduce the occurrence of mistakes and enhance accuracy in planning.

22. Safety - Vehicle Incident Tracking

The company tracks the incidents with personnel and vehicles. For each region and division, they want to analyze the important incidents (lost time and recordables) and act to prevent potential hazard incidents to become serious ones.

Operations and Safety management

Business Questions

What is the rate between potential hazard (near-miss) and recordable incidents, by region and division?
Which division (Glass, Metal, etc) has more recordable incidents? Does it change among the regions?
Vehicles incidents are more likely on specific days of week or at specific times of the day?
What is the trend of near-miss incidents for the last 12 months? Are they decreasing over time? If not, why?
What is the incident rate by employee tenure range?
What is the incident rate by work shift?
What locations have more vehicle incidents inside company site?
What is the first-aid incidents distribution by department and region?

Analyzing the incidents over time will help identifying what drives the recordable incidents and will make possible to work pro-actively to reduce them. This will positively impact the company safety and the financial results.

23. University Admission Analysis

College Deans and the Admissions Office need to know the status of their College Admissions to ensure proper resource allocation, budget planning, acadmeic planning, and institutional reputation. This is a key reporting area for College Deans.

College Deans and the Admissions Office

Business Questions
How many applicants have applied for honors admission this year compared to the same period last year?
How does the average GPA of accepted students for Fall 2024 compare to the average GPA of accepted students for Fall 2023?
What is the current ratio of international to domestic applicants compared to the same period last year?
What is the demographic breakdown (e.g., gender, ethnicity) of admitted students for Fall 2024, and how does it compare to the demographic breakdown for Fall 2023?
How many applicants have applied for honors admission this year compared to the same period last year?
How many days remain until the start of the Fall 2024 term?
What percentage of admitted students have subsequently enrolled for the Fall 2024 term?
What percentage of admitted students have declared their intended major for Fall 2024, and how does it compare to the percentage at this time last year?
How many transfer applicants have we received for Fall 2024, and how does this number compare to the number of transfer applicants at this time last year?
How many students have received acceptance letters for the Fall 2024 term?

This will help make informed decisions about recruitment and strategic planning. It enables the college deans to understand their colleges current position and plan more effecively.

24. University Financial Aid Analysis

Doctorial Research University status includes benefits such as increased external funding, better grant oppurtunites, and attract higher quality staff and doctorial students. For them, this status is largely based on mainting external funding being >50% of all funding.

Financial Aid Departments and Graduate Study Departments

Business Questions
What institution had the most Research Expenditure in 2022?
What institition had the highest increase in Research expenditure from 2022 to 2023?
Which Institutions are decreasing in research expenditures?
Which Institutions are increasing in research expenditures?
What is the average financial aid package offered to doctoral students, and how does it compare to the average at other institutions?
What portion of the financial aid budget is allocated specifically for supporting doctoral research initiatives?
What is the average time to degree completion for doctoral students receiving financial aid?
How does the distribution of financial aid resources vary across different demographic groups within the doctoral student population
What is the cost-effectiveness of financial aid programs in terms of dollars invested per research output?

Doctorial Status is frequently reviewed and can be revoked is qualification criteria is not maintain. It is important to be aware on how the Institituion is performing against the requirements to maintain status.