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| This is an example of a Decision Management System which show AI assisted Decision making. This shows Stockbroker or Hedge fund managers mock decision management system   * **Manage** the decision-making processes using enhanced information management practices * **Integrated** into the organization’s core business environment * Can **enhance** the “current state” information **with a recommended action** (decision) * Information presented leverages **forward-looking predictive analytics** * Policies, regulations & best practices are **built-into the decision workflow process** * **Learning is built-into** the core of the system, allows the system to **actively learn** * Previous generation surfaced through enterprise business orchestration tools (BizTalk Server) | |
| References:   1. Please click here to access demo   <https://neu-demo-knowledge-mining-two-wbp2.azurewebsites.net/> | |
| Ryan is a hedge fund manager and needs to manage a portfolio of stocks.  He is looking his dashboard called a decision management system.  He monitors daily news feeds and news alerts and certain key stocks he has in his portfolio  He observes in the sentiment analysis dashboard that Apple can Microsoft have the most mentions  **CLICK ON MICROSOFT** |  |
| He observes the various financial KPI or ratios that are important to the performance of the stock Microsoft.  Enumerate what they are – look them up if you need to understand the,    You can also have the ability to define your own custom KPI  CLICK ON ADD A CUTOM KPI  On the RHS of the dashboard he can view  Key topics on the top that [pertains to Microsoft in the news, and real time news streams that are relevant to those topics,  For example, Project Scarlet appears in 4 news media with a positive sentiment score.  **CLICK ON DOWN ARROW** |  |
| Similarly, we can now see under the main topic the news reels that are pertaining to Apple.  And news about Keanu Reeves unveiling the Scarlett console |  |
| Meanwhile there are a couple of trending terms such as the new Surface Launch that also appeared, analysts quarter reports, news on products, earning predictions. Each of these have bearing or impact on a specific financial statement used for 10-k filings , For example New Products for 2019 are impacting the company Balance sheets, with a negative sentiment ,at 78% confidence  CLIKC ON BALANCE SHEET |  |
| You can see immediately the company’s Balance sheet. Here we use Forms Recognizer and Apply this to the Balance sheet to extract key value pairs. This will be utilized to develop the Customer KPI we mentioned.  RE lower than previous year lowering the Stockholders equity  You can click on several other income statements that several news items would have and impacts on later for review. CLICK ON CASH FLOW, BALANCE SHEET AND the x |  |
| Return back to main dashboard by CLICKING on The DASHBOARD TAB and similarly do the same for Apple.  CLICK ON APPLE  What you would notice here is that Apple is in Red, so let us investigate what is the matter with Apple. |  |
| We can immediately compare and see the KPIs of Apple corporation vs Microsoft , Depending what is important to your analysis you can see that Apple has a higher ROI , IRR , Current Ratio etc. so what is making it Red  There were several news Items but apple almost all are in the red  First if the Apple store lawsuit **Supreme** *Court Deals Apple Major Setback in App Store Antitrust Case*, and the declining sales forecasted as seen in the news streams. |  |
| CLICK ON QUARTERLY FINANCEIAL INFORMATION in RED.  We can observe that the quarterly earnings are on a decline each quarter.  That said we can conclude why Apple had negative sentiment tied to it |  |
| Based on this the system will be automatically be ranking and making suggestions on the stock portfolio of the Broker  This is a demonstration of a Decision Management system which differs from a Decision support system - because it aims to use AI assisted support in automating and managing the decision-making process |  |
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