Financial Data Analysis

The dataset consists of 3 separate dataset.

You are required to give analysis based on the following questions.

The following are the columns on which the questions are asked:

A. balance_Sheet_History = ['stock', 'endDate', 'accountsPayable', 'inventory', 'longTermDebt', 'cash', 'netReceivables', 'longTermInvestments', 'totalAssets', 'totalLiab']

B. cash_flow_Statement = ['stock', 'endDate', 'dividendsPaid', 'depreciation', 'netIncome', 'issuanceOfStock', 'netBorrowings']

C. income_Statement_History_annually = ['stock', 'endDate', 'netIncomeApplicableToCommonShares', 'costOfRevenue', 'incomeTaxExpense' 'netIncome', 'incomeBeforeTax', 'totalRevenue', 'grossProfit']

Balance Sheet History

KPI

1. What is the average total liabilities of all stocks in the last quarter
2. What is the total cash available accross all the years
3. What is the sum of total asset owned by the company
4. What is sum of money owed by the company accross all times
5. What is the average net receivables received by the company accross all times

Trend and Patterns

1. Can you trace the journey of the company's total asset value across different timeframes? What trends do you notice
2. What stock has the most long term investment?
3. How much assets(sum of all monies the company owns) does the company own over the year
4. What stock has the most asset in the first and second quarter of the year
5. In the grand interplay of finances, did the company have a stronger hold on cash or a reliance on long-term debt?
6. Select 5 random stocks. On what stock did the company have the most liability

Cash FLow Statement

KPIs

1. Were dividends distributed to stakeholders, and if so, what is the total payouts?
2. What is the total net income made by the comapny
3. Financial loss includes depraciation, debts, account payable, etc. What is the total debit incurred by the comapny.

Trend and Patterns

1. Did the company's net income improve over time ?

2. We can ascertain the profitability of the organisation from Dividend paid. What is the trend of profitability over time
3. Select 5 random stocks, how much income this stocks yield in the first and second quarters
4. In what month did the company make pay the most dividend. Is it the same month the company made most net income ?

Income Statement History

KPI

1. What is the total net income made accross all years
2. What is the average revenue made from each stock
3. How much did the company as income before tax
4. What is the total grossprofit made by the company

Trend and Patterns

1. What is the trend in cost of revenue and gross profit?
2. How much was paid on tax expenses for the entire 2014
3. Show the gross profit made for each quarter in the year 2014 and 2015
4. Select 6 stocks at random, In the year 2017, what stock has highest average income tax expense

- *You are expected to conduct data modelling, join your datasets on the stock column.*
- *You are expected to create 3 different dashboards which will be accessible using navigation buttons. The following videos will help you create navigation buttons on your dashboard:*
    - *https://www.youtube.com/watch?v=Ng1EyIK8KXU*
    - *https://www.youtube.com/watch?v=xCSYLrcLW0O*
    - *https://www.youtube.com/watch?v=yIAzFuFdg9O*

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