# Data Analytics

**Task:**

Firstly, screen the companies and visualise them according to sub-sectors using a pie chart or a bar charts.

Secondly, visualise the companies by segregating them according to Market Cap in three categories: Large Cap(>20,000 crore), Mid Cap (5,000 to 20,000 crore) & Small Cap(<5,000).

Thirdly, pick 10 random companies from the entire group and visualise the following through a line chart
Find the Intrinsic Value of the company based on 3 cases of growth (g): Assume
3 Cases for g (Growth) : Good (15% Growth) ; Bad (-5% Growth); Best (25%Growth)

Visualise these 10 companies on a line chart for all 3 cases of growth going forward against its current market cap.

💡 $V = (EPS * (8.5 + 2g) * 6) / Y$

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 V    : Intrinsic Value
EPS  : The Company's last 12 month earnings per share
8.5   : The constant represents the appropriate P-E ratio for a no-growth
      company as proposed by Graham.
g     : The company's long-term (five years) earnings growth estimate
6     : The average Return of FDs (6%)
Y     : The current yield on AAA corporate bonds.

If you need assistance understanding the financial terms, we recommend the use of Investopedia & Wikipedia.

Kindly submit your task response using the following Google Form:
https://forms.gle/2TZhyRWzAuMpJKAx5
OR

Send your response on Hr.scouto@spinny.com with the subject-line " Data Analytics-Internship | Task | Internshala".

Hope you enjoy the task !
All the best!
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