REPORT OF DASHBOARD

WORK-LIFE BALANCE AND ENGAGEMENT ANALYSIS



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Introduction:

In today's fast-paced and competitive business environment, maintaining a healthy work-life balance and high levels of employee engagement are critical factors for organizational success. Employees who feel balanced and engaged are more likely to be productive, satisfied, and committed to their roles, which ultimately benefits the organization as a whole. Recognizing the importance of these factors, this report delves into a comprehensive analysis of work-life balance and engagement metrics within our organization.

This analysis is driven by the need to understand how our employees perceive their work-life balance, their level of involvement in their jobs, and their satisfaction with workplace relationships. Additionally, we examine the distribution of overtime work to identify any patterns that might affect these metrics. By leveraging data analytics and visualization tools, specifically Power BI, we aim to gain valuable insights into these key areas.

The aim of this report is to provide a clear and actionable understanding of the current state of work-life balance and employee engagement within the organization. By identifying trends and discrepancies, we can develop targeted strategies to enhance overall employee satisfaction and productivity.

I. Getting data ready for cleaning

After getting data from the email, I opened it in excel

Technocolabs-Accessing the Data File for Our Project Indox x



Technocolabs Softwares

to contact, bcc: me ▼

Hi Team,

I hope this email finds you well.

We have noticed that some of you are having difficulties accessing the data file for our project via the GitHub refile directly to this email.

Please download the attached file and use it for your current tasks. In our next meeting, we will discuss and gu issues in the future.

If you have any questions or face any issues with the attached file, feel free to reach out.

Best regards,

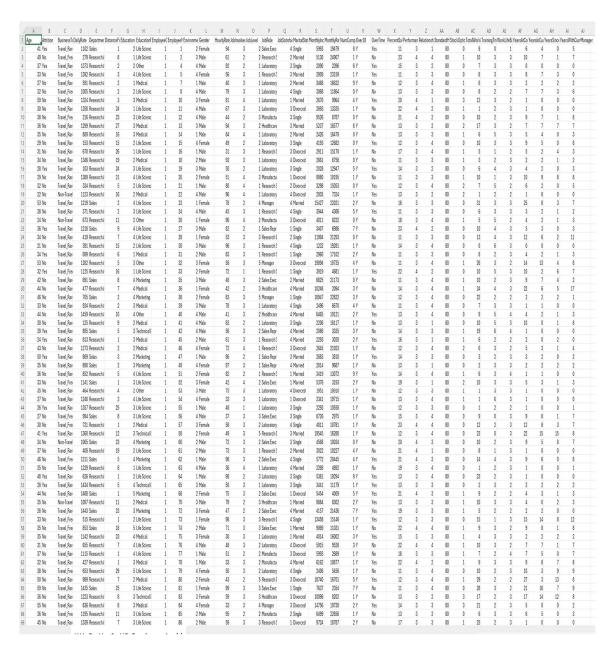
Technocolabs Team



https://www.linkedin.com/company/technocolabs/

One attachment • Scanned by Gmail (i)





II. Cleaning data:

After opening the csv file in excel I noticed that it has an empty column "CurrentManager" as well as some redundant columns, so I deleted them using excel power query

III. Visualizing it in PowerBI:

After getting the data connected to PowerBi bu clicking on



Then choosing the excel file we will be able to see it in here:

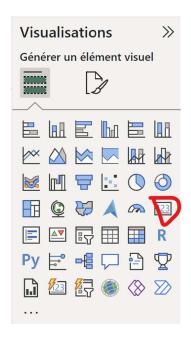


Then we choose the visualization element and the columns we want to use

For this one for example:



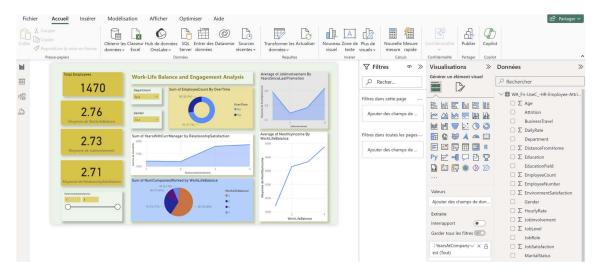
We choose this in the visualization element

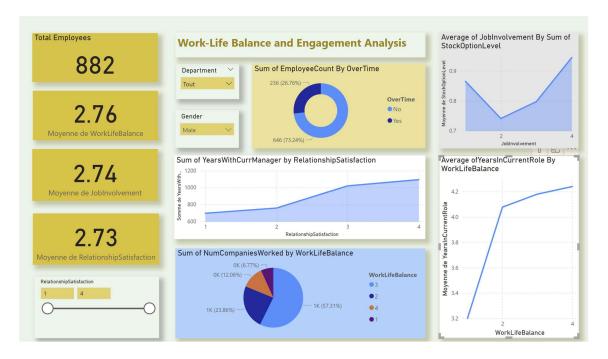


Then we choose the column we want to show the average of:



By doing the same thing with different visualization styles and different columns we get the final result wich is:

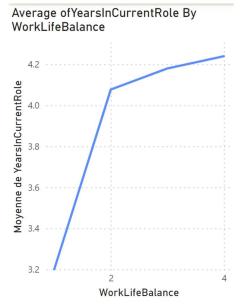




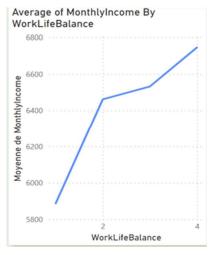
IV. Important Results:

1. Review the Work-Life Balance Rating:

- The average work-life balance rating across the organization is 2.76. This indicates a slightly above average level of work-life balance among employees.
- The Human Resources department has the highest average work-life balance of 2.92 followed by the Sales department with an average of 2.82 and the lowest is the Research and Development department with an average of 2.73
- Both genders have the same work-life balance average



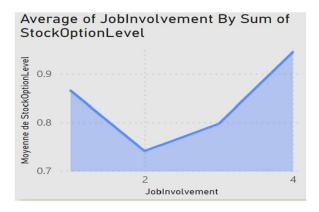
 We conclude from the "Average of YearsInCurrentRole By WorkLifeBalance" chart that the higher the years spent in the same role is the higher the work life balance



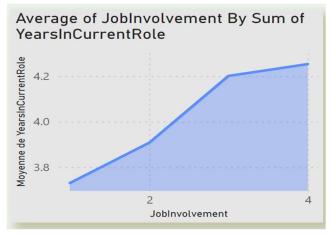
 We conclude from the "Average of MounthlyIncome By WorkLifeBalance" chart that the higher the monthly income is the higher the work life balance We can conclude that the stability inside work either by staying in the same role or under the same manager or by having a high monthly income are reasons for a better work-life balance

2. Assess Job Involvement:

- The average job involvement rating is 2.73. This suggests a moderate level of job involvement among employees.
- The Human Resources department has the highest Job Involvement of 2.75 followed by the Research and Development department with an average of 2.74 and the lowest is the Sales department with an average of 2.70
- Male Employees have a higher Job Involvement average of 2.74 than Female employees that have an average of 2.71



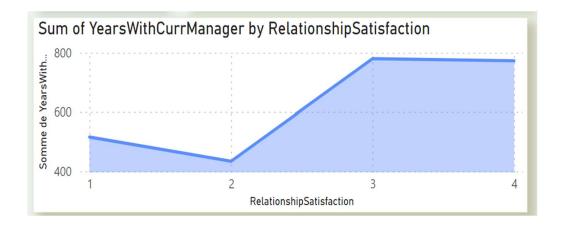
The line chart titled "Average of JobInvolvement by Sum of StockOptionLevel " shows that job involvement tends to increase with the number of stocks option level. This implies that employees who have more stock options tend to be more involved in their job. This could be because stock options provide a financial incentive that aligns the employees' interests with the company's success, motivating them to be more engaged and committed to their work.



The line chart titled "Average of JobInvolvement By Sum of YearsInCurrentRole" shows that job involvement tends to increase with the number of years spent in current role wich implies that the more experienced the employees are the more likely the higher their job involvement is

3. Evaluate Relationship Satisfaction:

- The average relationship satisfaction rating is
 2.71. This indicates a moderate level of satisfaction with workplace relationships.
- The Human Resources department has the highest average relationship satisfaction of 2.89 followed by the Research and Development department with an average of 2.71 and the lowest is the Sales department with an average of 2.70
- Male Employees have a higher Job Involvement average of 2.73 than Female employees that have an average of 2.68

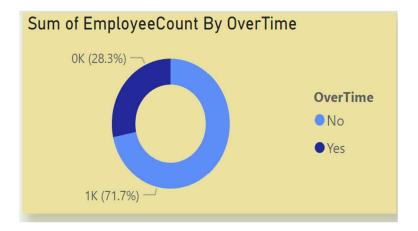


 The line chart titled "Sum of YearsWithCurrManager by RelationshipSatisfaction" shows that relationship satisfaction tends to increase with the number of years with the current manager. This might suggest that longer tenure with the same manager is associated with higher relationship satisfaction, possibly due to increased familiarity and trust.

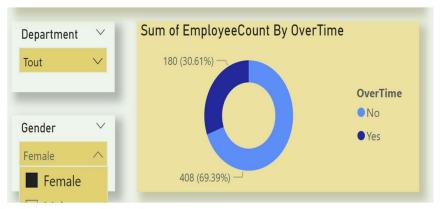
 By using this we can spot the average of relationship satisfaction and other metrics related to it faster



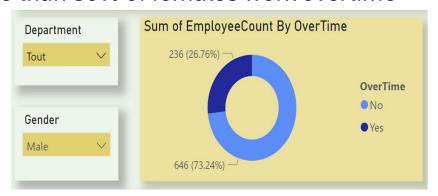
4. Examine Overtime Work Distribution:



 The distribution of employees who work overtime versus those who don't is displayed in a donut chart titled "Sum of EmployeeCount By OverTime." It shows that approximately 71.7% of employees do not work overtime, while 28.3% do.



More than 30% of females work overtime



- More than 26% of males work overtime
- The Sales department has the highest overtime of 28.7% followed by the Research and Development department with 28.2% and the lowest is the Human Resources department department with an average of 26.98%
- This indicates that a significant minority of employees are working overtime, which could impact their work-life balance and job satisfaction.

5. Identify Areas for Improvement:

Work-Life Balance: The average rating of 2.76 suggests there is room for improvement.

Consider initiatives to promote a better work-life balance, such as flexible working hours or wellness programs.

- ♣Job Involvement: With an average rating of 2.73, there is potential to enhance job involvement. Implementing career development opportunities and recognition programs could help increase engagement.
- ♣Relationship Satisfaction: The average rating of 2.71 indicates that workplace relationships could be strengthened. Focus on team-building activities and effective communication training.
- **♣Overtime Work:** Since 28.3% of employees work overtime, it's important to manage workload effectively to prevent burnout and maintain a healthy work-life balance.

6. Take Action:

Using the insights gained from the Dashboard stakeholders need to implement changes such as flexible working hours, wellness programs, career development opportunities, and team-building activities and regularly review the impact of these initiatives on the ratings.

Conclusion:

The analysis presented in this report underscores the importance of continuous monitoring and improvement of work-life balance and engagement metrics within the organization. The key findings reveal that while there are moderate levels of work-life balance, job involvement, and relationship satisfaction, there is substantial room for improvement.

The data indicates that employees with higher stock options tend to show increased job involvement, suggesting that financial incentives play a crucial role in employee engagement. This insight highlights the potential benefits of offering stock options or similar incentives to enhance employee commitment and productivity. Moreover, the distribution of overtime work shows that a significant portion of employees are working overtime, which could negatively impact their work-life balance and overall satisfaction.

By addressing the areas identified for improvement, such as reducing overtime work and enhancing

workplace relationships, the organization can foster a more supportive and engaging work environment. Specific recommendations include implementing flexible working hours, promoting wellness programs, and offering career development opportunities to increase job involvement and satisfaction.

Furthermore, regular monitoring and adjustments will be essential to sustain these improvements and respond to evolving employee needs. The use of tools like Power BI for ongoing data visualization and analysis will enable the organization to track progress, identify emerging issues, and make data-driven decisions to enhance work-life balance and employee engagement continuously.

In conclusion, the insights gained from this analysis provide a robust foundation for developing strategies that promote a healthier work-life balance and higher levels of employee engagement. By taking proactive steps to address the identified areas for improvement, the organization can achieve greater employee satisfaction, which will, in turn, drive higher productivity and long-term success.