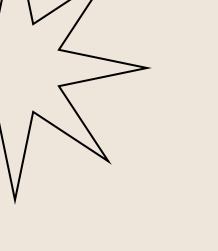


Recruitment and Employee Data Analytics Project

Insights for Strategic Talent Management. Natalia Ramos, Jianxin Zhao, Aleksandra Laskowska

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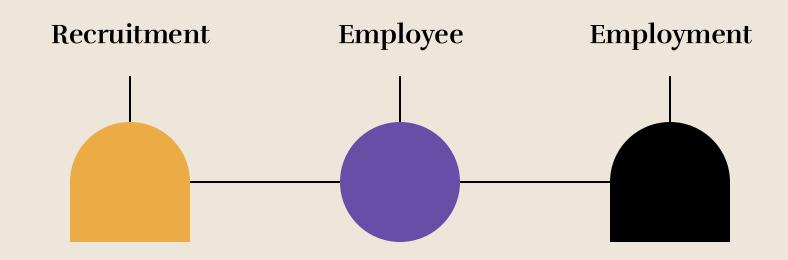
Objectives

Introduction to the Project





Focus Areas





Dataset Overview



Candidates

Candidate_id, email, first_name, last_name, phone



Employees

Birth_date, employee_id, first_name, gender, hire_date, last_name, manager_id, position_id, status, termination_id



Employments

bonus, effective_date, employee_id, pension_contribution, position_id, salary, vacation_allowance



Positions

department, job_level, position_id, title



Recruitments

candidate_id, id, notes, position_id,
recruitment_channel, recruitment_cost,
stage



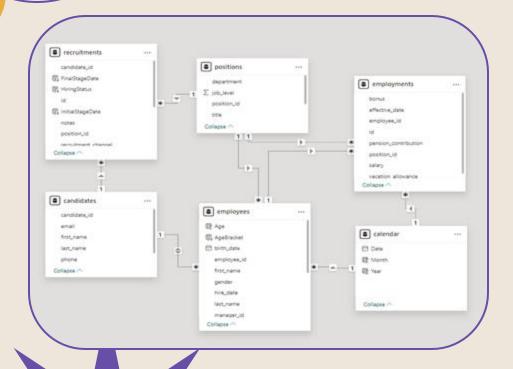




Data Preparation



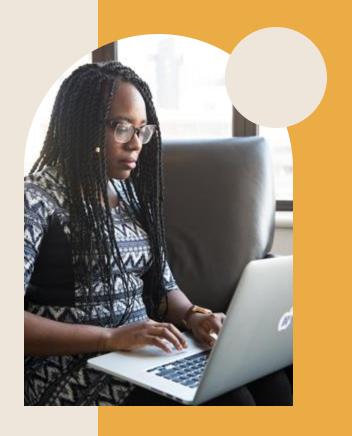
Data Model







Key Metrics & KPIs



Key Metrics and KPIs

Percentage of applicants hired Average number of days to fill out of total applicants. a position Time to Hire **Candidate Conversion Rate Employee Retention Rate Workforce Diversity**

Percentage of employees who stay within a given time period.

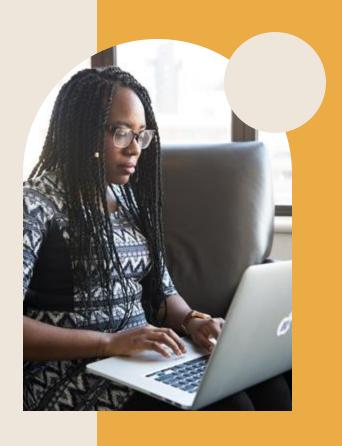
Representation of different demographic groups in the workforce (e.g., gender, race, age).

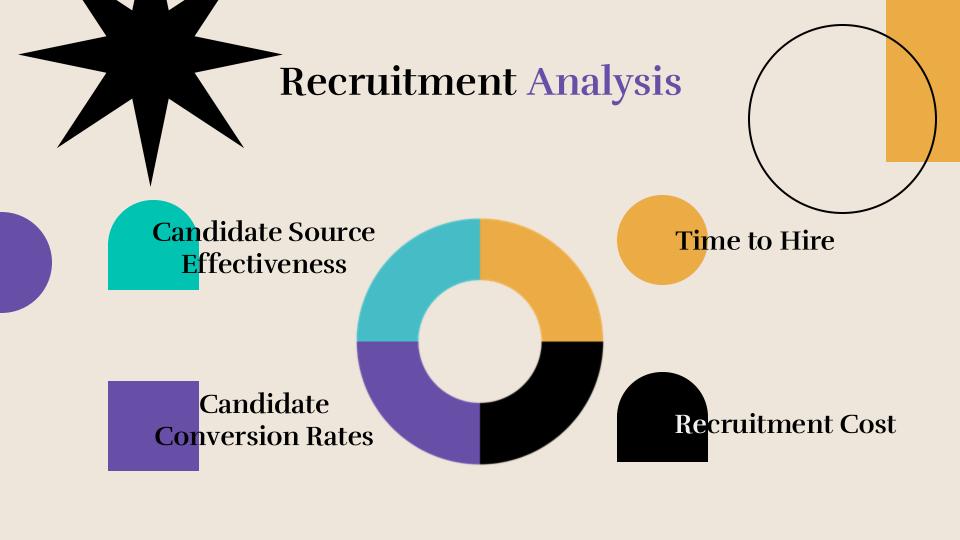




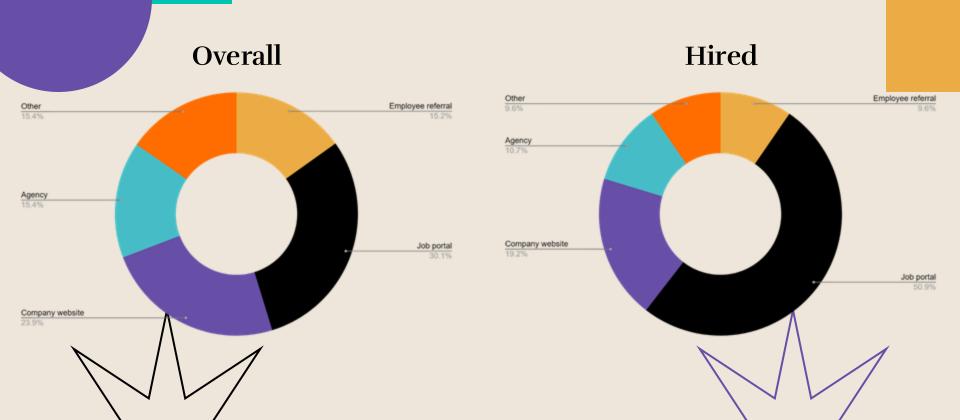
Analysis

Recruitment. Employee & Employment Analysis





Candidate Source Effectiveness



Time to Hire Management 101 HR 98.5 97.61 Marketing 92.85 Business Inteligence 92.65 Cybersecurity Finance 92 Product 91.57 Development 25 75 50 100 125

Average: 90,66 days

Fastest:
Cybersecurity
Manager
46 days

Longest: Chief Security Officer 116 days

Candidate Conversion Rates

9,06

Overall Conversion Rate

By departments:

Business Intelligence: 11,29

Cybersecurity: II,II

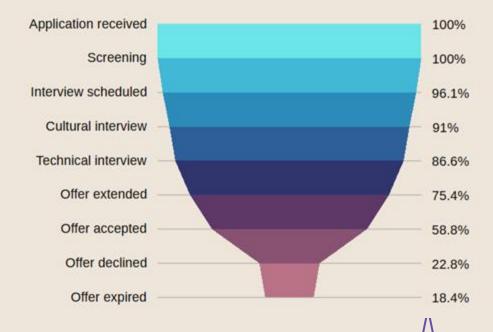
Finance: 9,52

Human Resources: 11,24

Management: 14,29

Marketing: 3,03

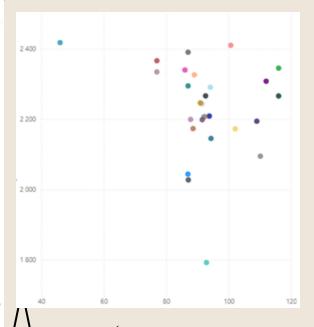
Product Development: 8,78

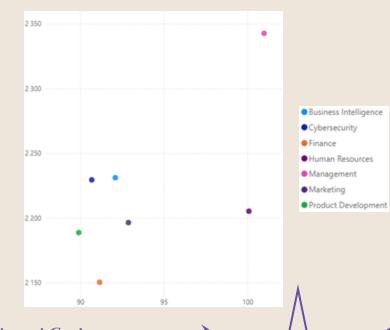




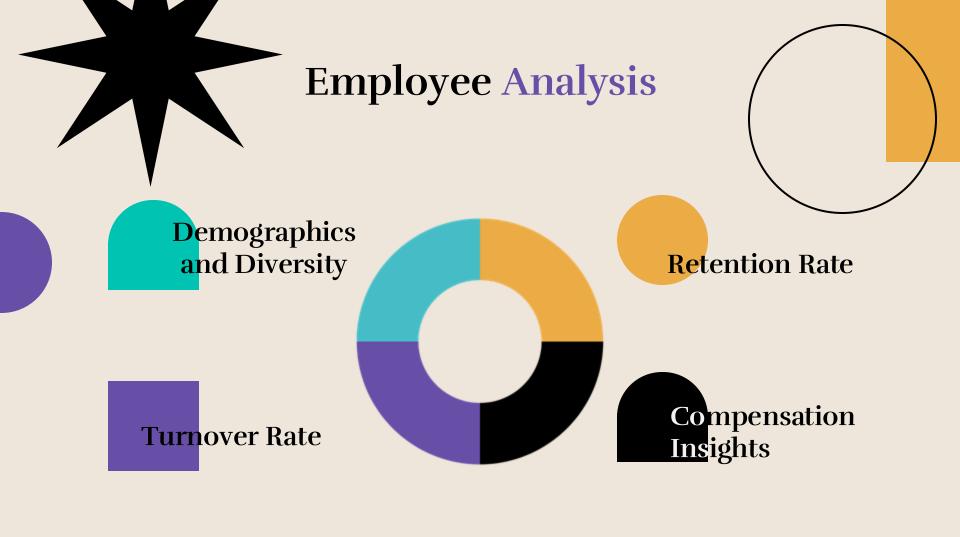
Recruitment Cost

- Accountant
- BI Architect
- Bi Developer
- Business Intelligence Manager
- Chief Executive Officer
- Chief Finance Officer
- Chief Operating Officer
- Chief Security Officer
- Cybersecurity Manager
- Data Analyst
- Distinguished Developer
- Finance Manager
- Financial Analyst
- HR Assistant
- HR Director
- HR Specialist
- Human Resources Manager
- Lead Developer
- Marketing Analyst
- Marketing Director
- Marketing Manager
- Marketing Specialist
- Product Development Manager
- Security Analyst
- Security Architect
- Security Engineer
- Senior Developer
- Software Developer





Average Recruitment Cost by position (left) & by department (right)



Demographics and Diversity

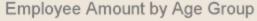
Age Group Distribution

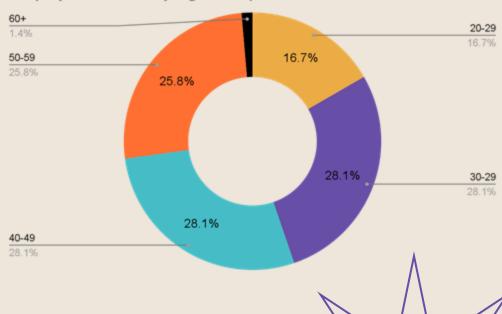
Largest Groups: Mid-career Workforce Age Range 30-39 Age Range 40-49

Potential Gap: Early-career Workforce Age Range 20-29

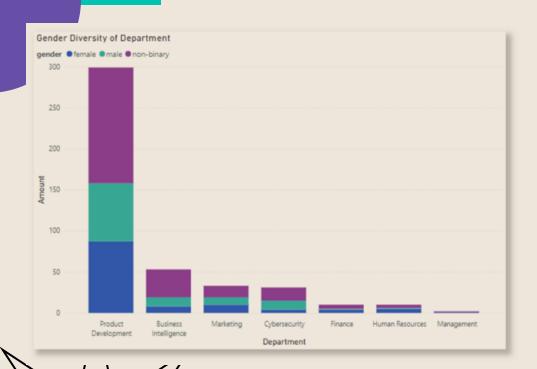
Towards retirement:

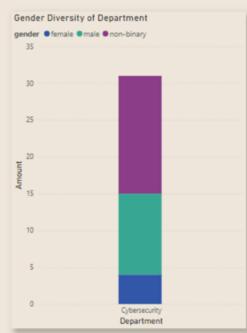
Age Range 50-59 Age Range 60+



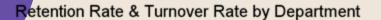


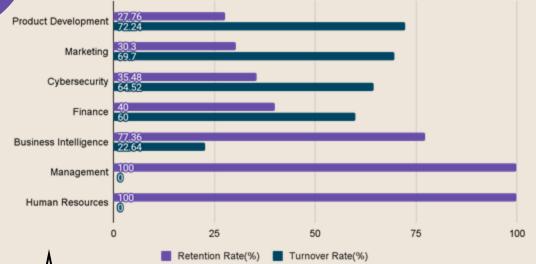
Demographics and Diversity





Retention Rate & Turnover Rate





Retention Rate

36.76%

Turnover Rate

63.24%

Highest Turnover Rate:

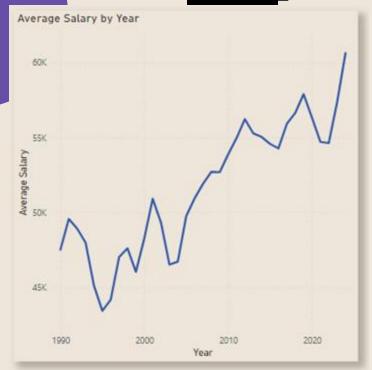
Product Development

72.24%





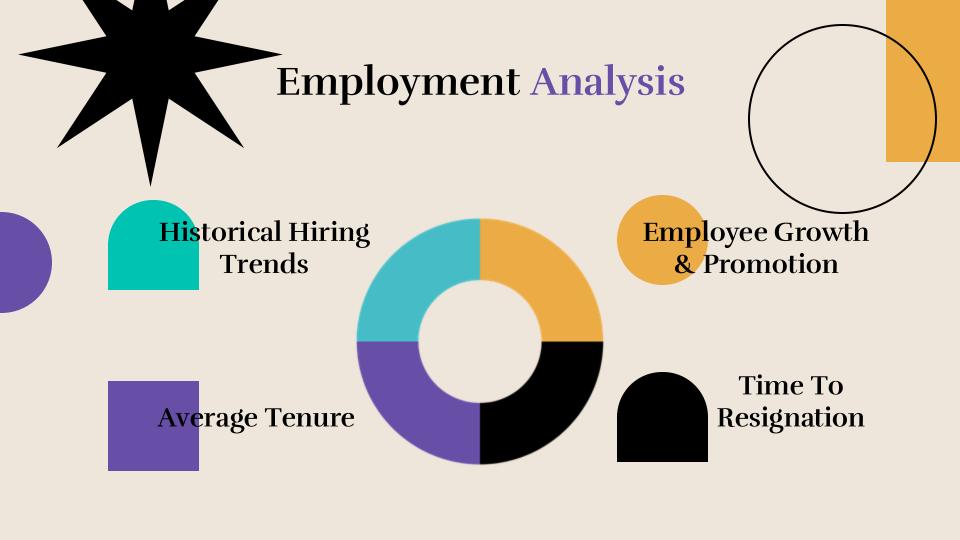
Compensation Trends





Avgrage Salary

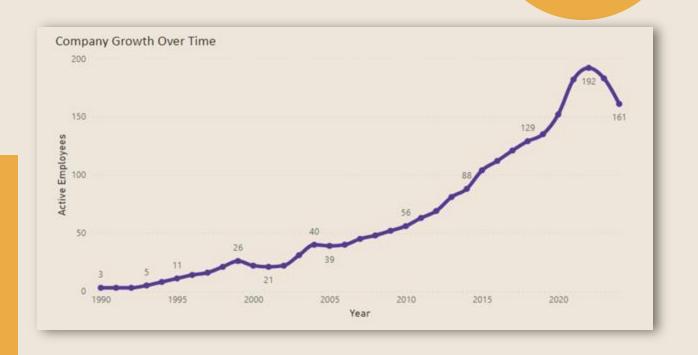
Average Salary of Product Development



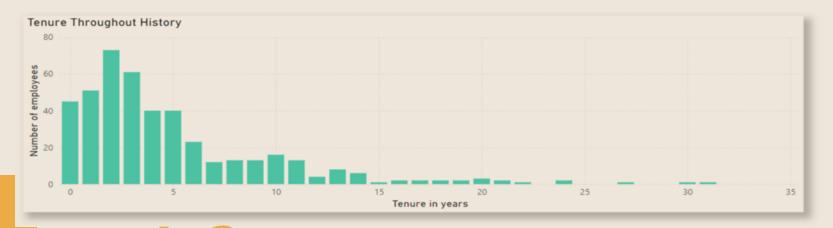




Company Growth



Average Tenure

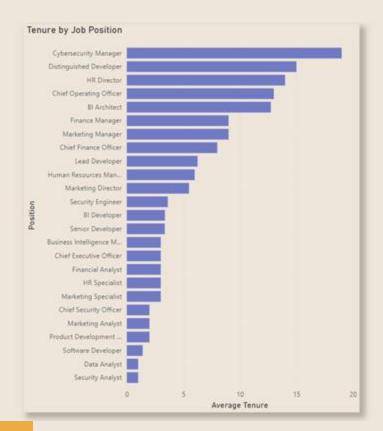


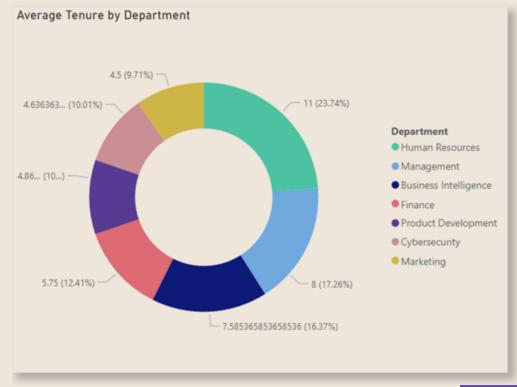
years
Historical
Average Tenure

6 years

Average Tenure for Active Employees

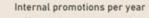
Average Tenure



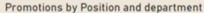


36,51 Months Average time to

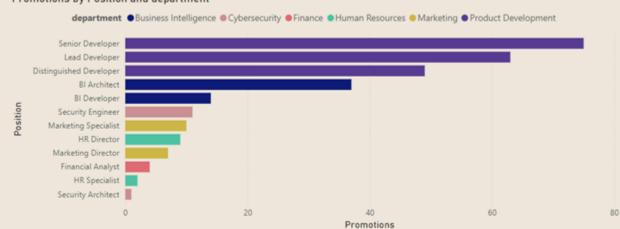
Promotions





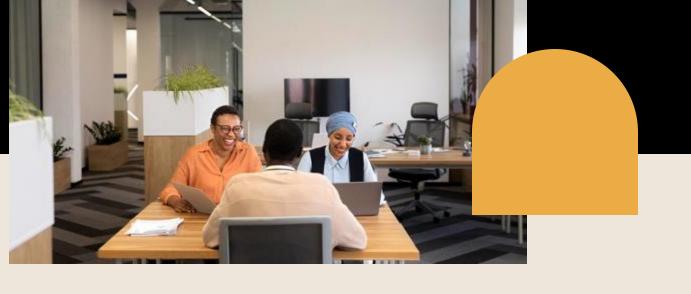


Promotion



Total Promotions 282





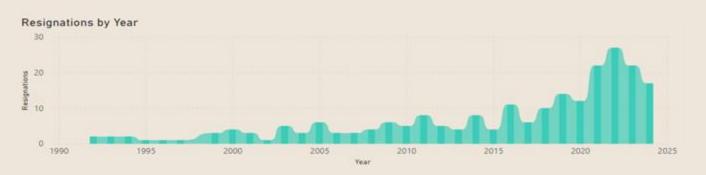
"Train people well enough so they can leave. Treat them well enough so they don't want to."

—Sir Richard Branson





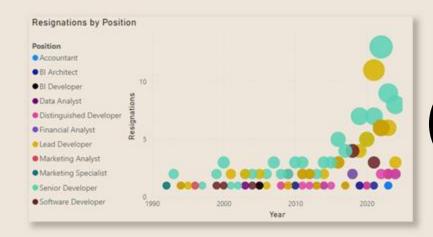
Time to Resignation





resignation









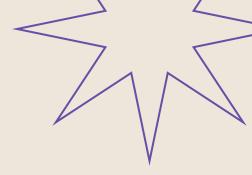
Key Insights

Our observations and findings





Other KPI's & Data to be collected



Training Metrics

Training costs, Training Time

Employee Satisfaction

Scaled Surveys for employee satisfaction

Absenteeism Rates

Scheduled working days, Number of absent days

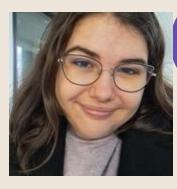
Our team



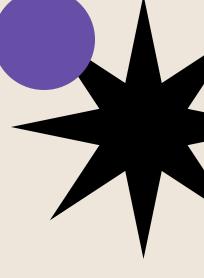
Natalia Ramos



Jianxin Zhao



Aleksandra Laskowska



Thank you!