



**hybrid
consultech**

From business data to quality excellence

The synergy of traditional data analytics with emerging technologies

Monica Ioannidou Polemitis

Why Has Data Always Mattered?

“Data is the oil of the 21st century”



Paper Charts



Digital Spreadsheets



AI-Generated Analysis



**From Simple Data
Collection to Smart
Intelligence**

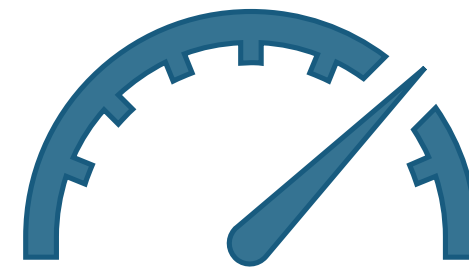
What Are the Essentials of Effective Data?



Volume



Variety



Velocity



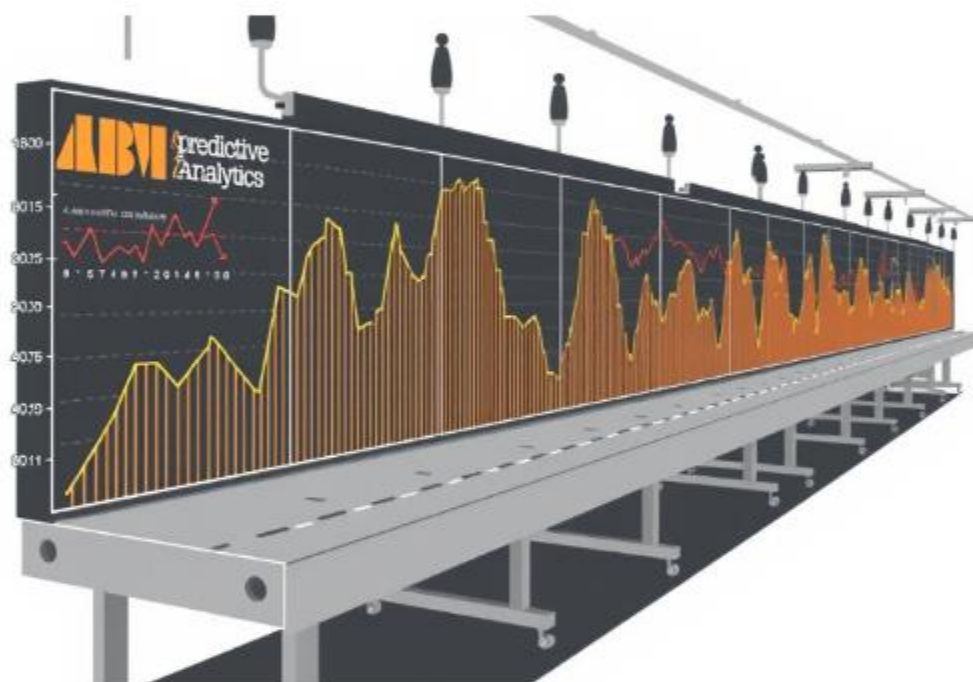
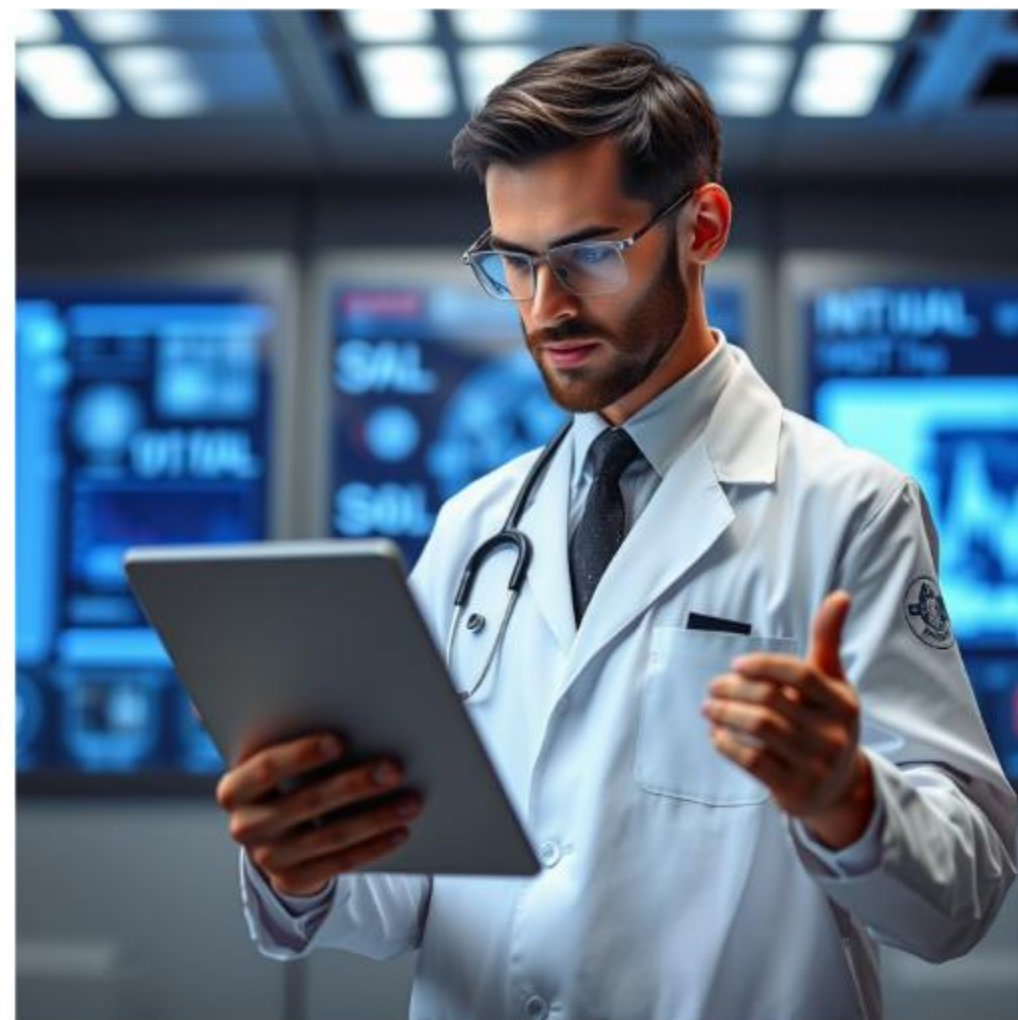
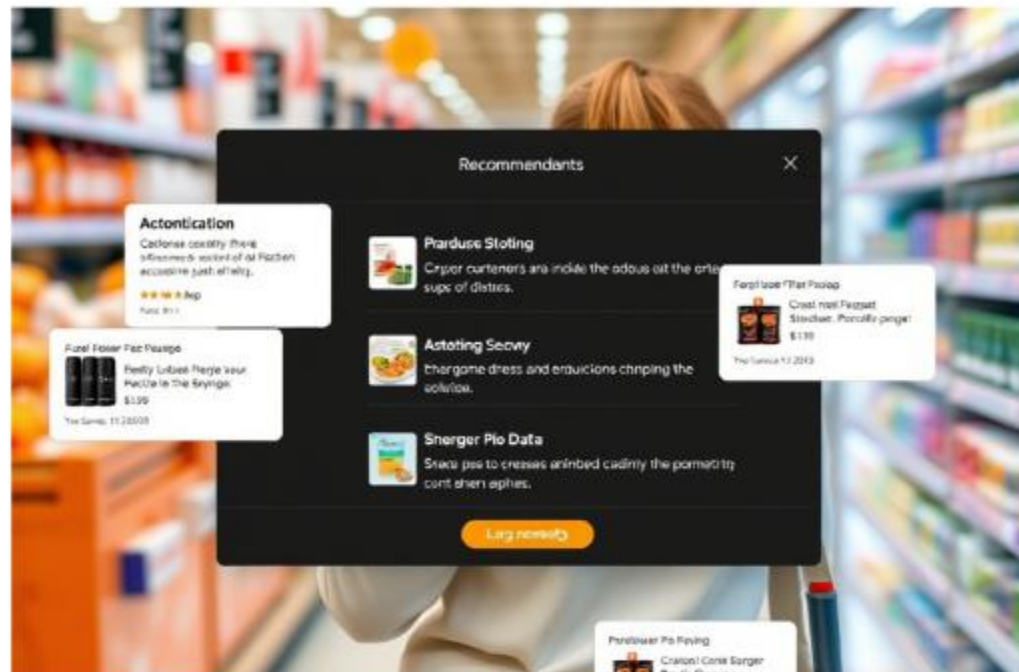
Veracity



Value



How Are Businesses Using Data Today?



Can AI and Human Intuition Work Together?



While AI can analyze massive amounts of data and identify trends, human judgment is necessary to interpret these insights in the context of broader business strategies and human-centric outcomes.

The true power of data lies not just in what AI can show us, but in what we decide to do with that knowledge.

What's Next for Data and AI?



Augmented Analytics



Advanced Automation



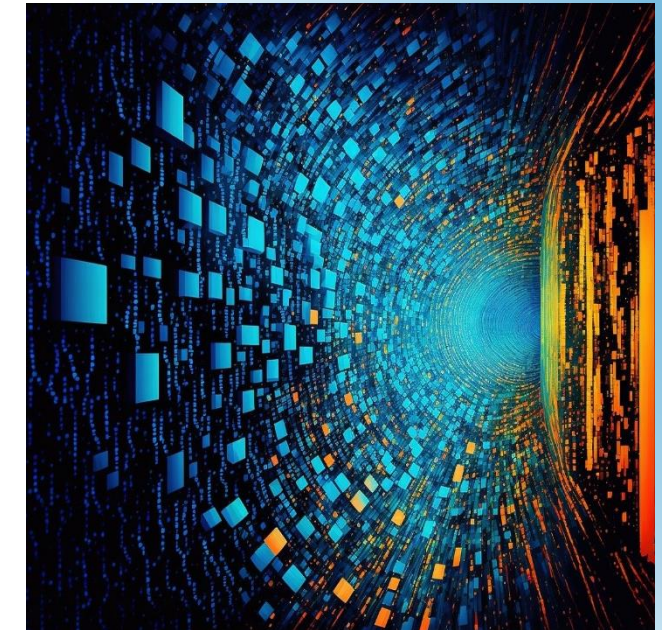
**Explainable AI
(XAI)**



**NLP &
Conversational AI**



**Prescriptive
Analytics**



Responsible AI



Augmented Analytics in Action

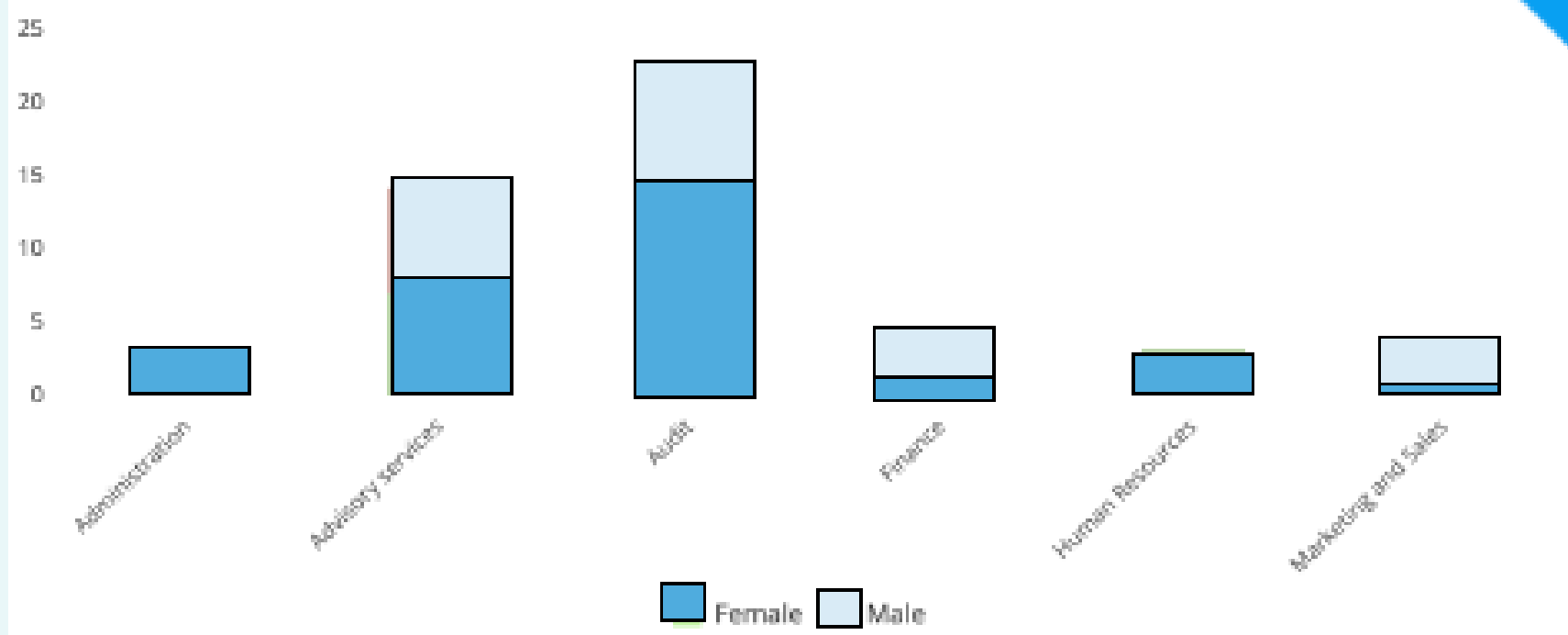


TG

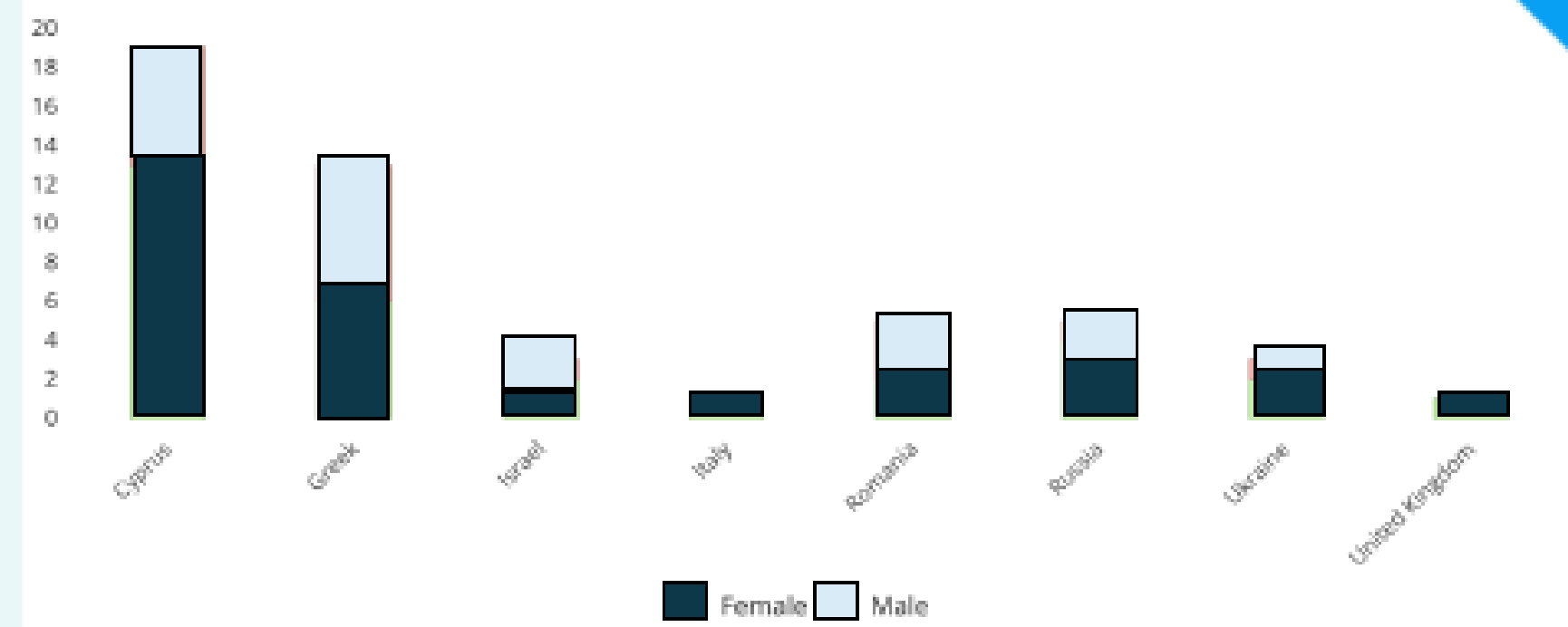
EMPLOYEEID	FIRSTNAME	LASTNAME	GENDER	DATEOFBIRTH	MARITALSTATUS	NATIONALITY	HIREDATE X	DEPARTMENTID X	POSITIONID X	SALARY EU
2	Georgios	Papadopoulos	F	Monday, March 3, 1980	Married	Cyprus	Monday, May 15, 2017	Audit	Senior	47075
22	Konstantinos	Papadakis	M	Saturday, March 8, 1980	Single	Cyprus	Wednesday, July 8, 2015	Finance	Director	72000
19	Maria	Economou	F	Monday, December 27, 1982	Married	Israel	Friday, April 5, 2013	Human Resources	Director	60000
23	Konstantinos	Papadakis	F	Friday, July 14, 1972	Married	Russia	Monday, July 29, 2013	Audit	Manager	65643
26	Sophia	Nikolaou	F	Saturday, March 3, 1973	Married	Cyprus	Saturday, April 23, 2022	Audit	Associate	32251
43	Maria	Pappas	F	Thursday, April 26, 1973	Married	Cyprus	Saturday, August 14, 2010	Advisory services	Manager	61346
29	Giannis	Pappas	F	Monday, May 14, 1973	Single	Ukraine	Tuesday, January 7, 2020	Finance	Associate	19600
50	Vasiliki	Pappas	M	Sunday, May 24, 1964	Married	Greek	Saturday, August 2, 2014	Advisory services	Associate	35600
47	Georgios	Nikolaou	M	Thursday, October 8, 1964	Single	Greek	Wednesday, May 23, 2018	Audit	Senior	46786
12	Georgios	Papadakis	M	Friday, October 16, 1964	Single	Romania	Sunday, February 27, 2022	Marketing and Sales	Manager	62584
31	Georgios	Georgiou	F	Monday, August 2, 1965	Married	Russia	Tuesday, October 24, 2017	Advisory services	Associate	32345
3	Sophia	Economou	M	Wednesday, March 16, 1966	Single	Cyprus	Tuesday, July 22, 2014	Advisory services	Manager	62000
15	Aikaterini	Kostas	F	Saturday, June 11, 1966	Single	Italy	Monday, April 4, 2011	Audit	Associate	29908
49	Giannis	Economou	M	Wednesday, November 9, 1966	Single	Greek	Sunday, January 29, 2012	Advisory services	Associate	36000
7	Maria	Papadakis	M	Thursday, December 26, 1968	Married	Greek	Saturday, April 9, 2016	Audit	Associate	31314

- MY DASHBOARD
- AUDIT GRID
- SUMMARY REPORT
- DATA INSIGHTS**

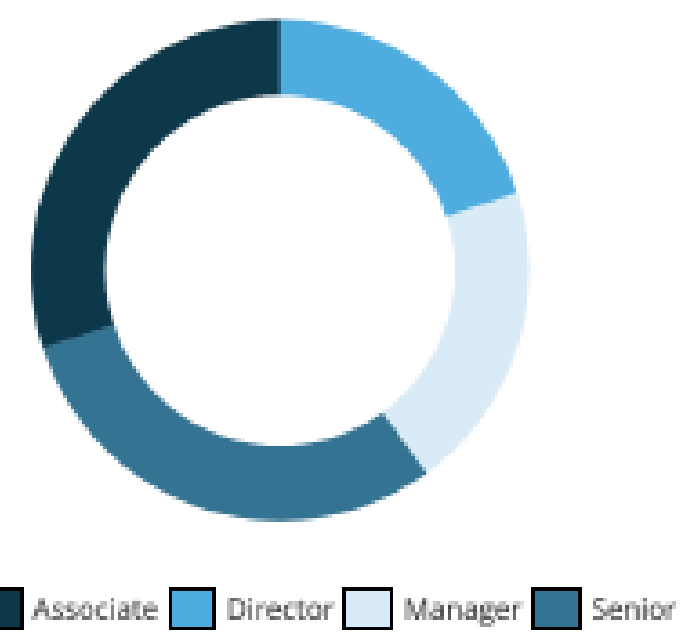
Employees by Department

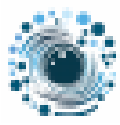


Employees by nationality



Count by position





Summary Report

Overview for the last 6 months



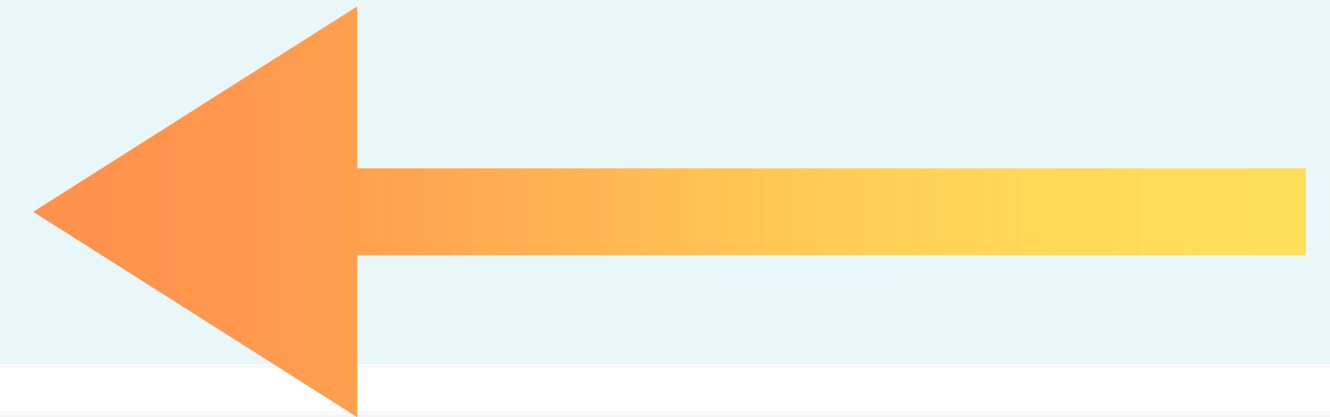
AI generated data insights

Summary

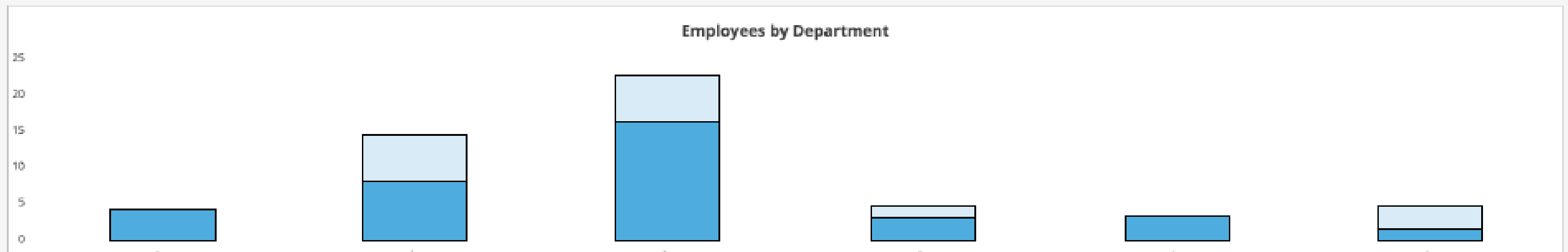
The dataset consists of employee records containing various metrics related to their work patterns and performance. It includes utilization rates over several months in 2024, hours worked in different environments (hybrid, office, and WFH), and personal details such as hire dates, birth dates, gender, marital status, nationality, and position. The dataset is rich in numerical values, particularly in hours worked and utilization rates, which can provide insights into employee productivity and engagement. The presence of categorical variables like department, position, and employee names allows for segmentation and analysis by different groups within the organization. This dataset could be invaluable for HR analytics, helping to assess employee performance, engagement levels, and workforce planning.

Recommended Improvements

1. Implement a regular review of utilization rates to identify trends and areas for improvement.
2. Enhance employee engagement by organizing social events based on participation rates.
3. Utilize the performance score data to tailor professional development programs for employees.
4. Increase the granularity of the data by including more time periods for analysis.
5. Incorporate employee feedback mechanisms to enrich the dataset with qualitative insights.
6. Standardize the recording of hours worked to ensure consistency across different work environments.



Employees by Department



DOWNLOAD REPORT

AI generated data insights



Create a chart showing employees by...



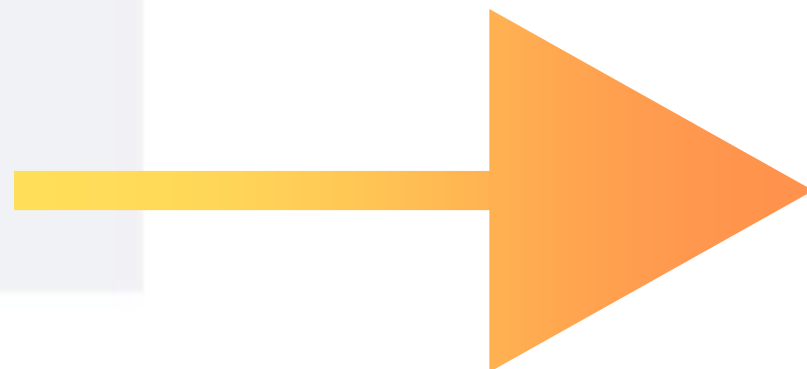
Create a chart showing employees by...



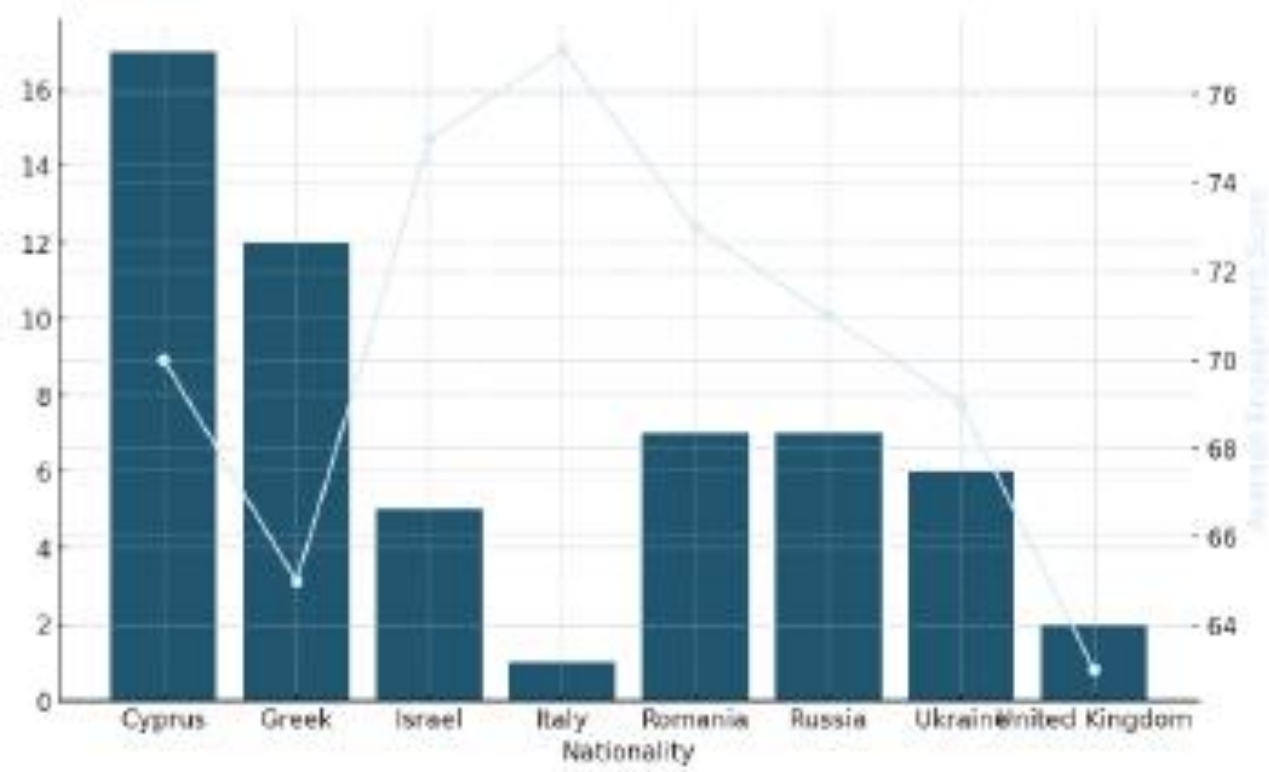
Create a chart showing employees by...



TG



create a chart showing employees by Nationality and Engagement score



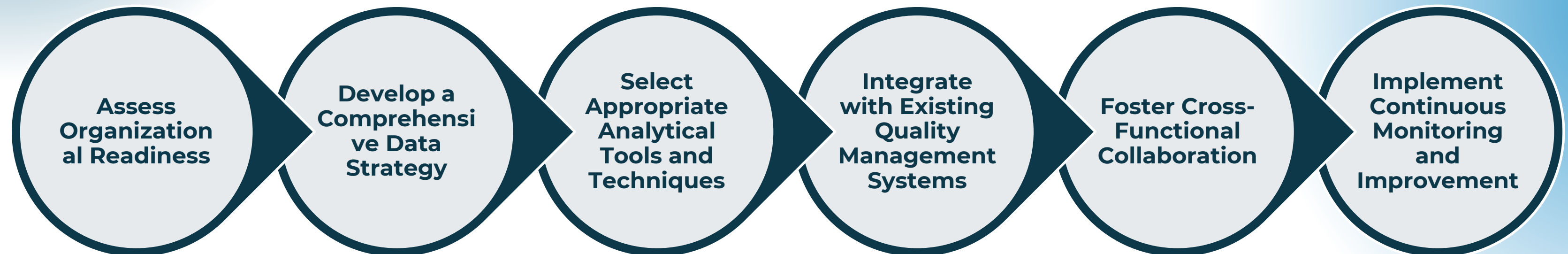
How can I assist you?





A Framework for Implementation

i.e. what you can do if you don't want to call us





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Thank You

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