

# تحديات

كيف نستخدم تقنيات ذكاء الاعمال لاعمال لاعمال لاعمال لاعم اتخاذ قرارات الموارد البشرية

#### **CHALLENGES**

HOW DO BUSINESSES MAKE EFFICIENT HR STRATEGIC DECISIONS WITH BUSINESS INTELLIGENCE?

ALAA HADY MANAGING PARTNER ADVANCED MANAGEMENT SOLUTIONS

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Agenda

- ما هي الصعوبات التي تواجهها في جمع مؤشرات الموارد البشرية؟

- هل توجد جميع بيانات الموارد البشرية و التدريب في نظام واحد ام عدة أنظمة؟

- كيف نستعمل تقنيات الذكاء الصناعي في رفع اداء (عملية توظيف أفضل الكفاءات)؟

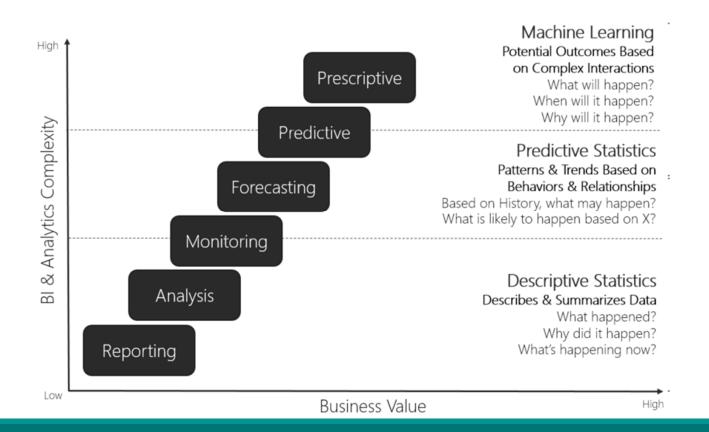
- كيف نستخدم ادوات ذكاء الاعمال في معرفة اسباب التسرب الوظيفي؟

# Business Intelligence التحليل الذكي للأعمال

تحليل الماضي وتحسين المستقبل

وضع أطر لإدارة الأداء لتحديد المؤشرات الرئيسية وتتبعها وتوفير التحليل الذكي للأعمال.

#### Maturity Model





HR Dashboard



Interview Analysis



Employee turnover analysis

#### HR Metrics



#### Recruitment



**Engagement and Retention** 



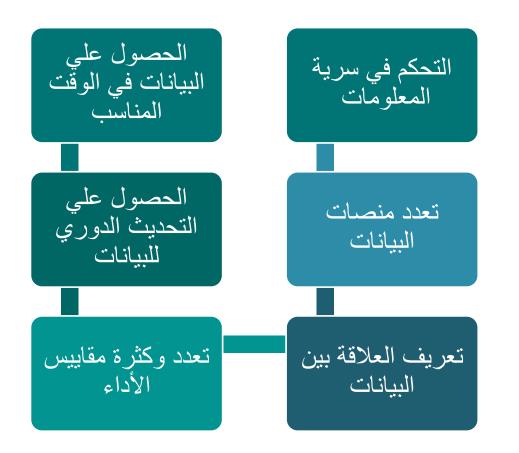
Employee Value & Performance



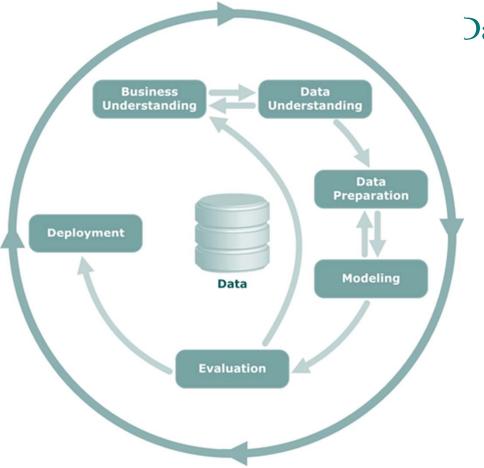
**Training and Development** 



**HR Service & Software** 



تحديات تحليل وتنقية وعرض البيانات



**Data Analysis** 

# Data integration

69% of companies are integrating data to build a People Analytics database (Bersin, 2017)

87% of front runners report high data quality (NTM, 2016)

31% of organizations report poor data quality as the biggest data challenge to conduct analytics (NTM, 2016)

77% of organizations report dispersed data across multiple HR systems as their main challenge to analytics (NTM, 2016)

Phillips, Michelle

Richards, Jason

Sanrano Anthony

Active

Active

Actino

Full-time Regular

Full-time Regular

Full time Popular

50.00

0.00

0.00

4.913.00

40.750

41.355

16.141.602

19

20

17

Stockton Mfg Facility

Stockton Mfg Facility

Stockton Mfa Encility

330

330

220

Total

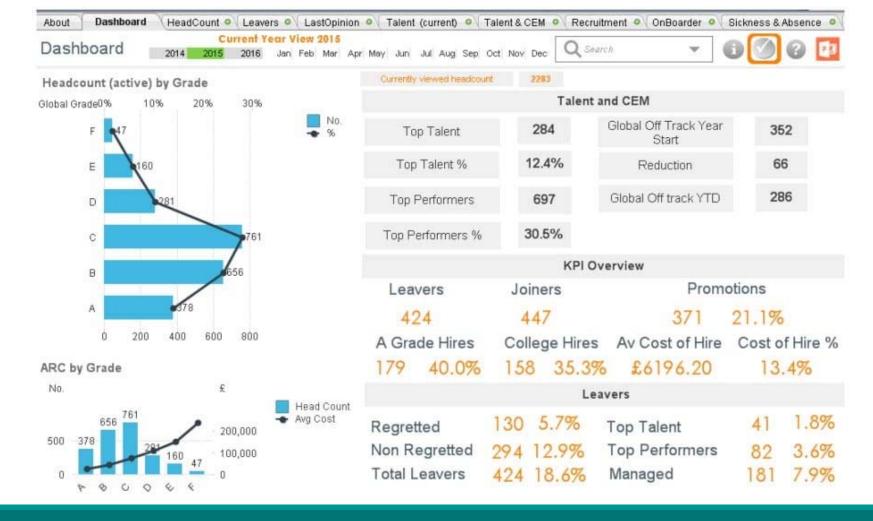
Benefits Specialist

Buyer

Clerk

Carpenter

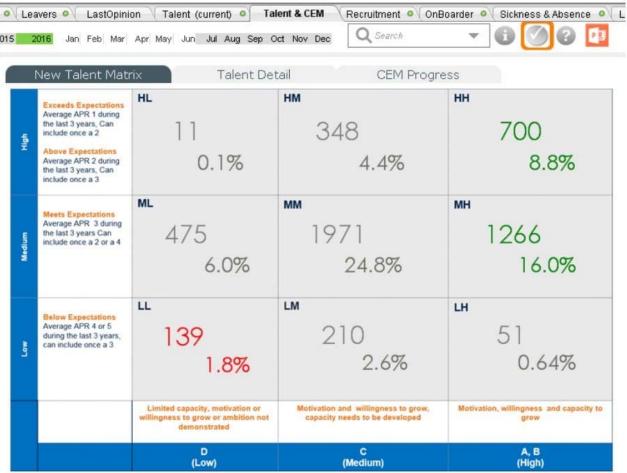




#### HR dashboard: Sickness & Absence



#### HR dashboard: Talent 9 box grid



HR dashboard: Diversity







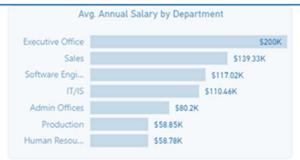
Total Salary Expenses

\$36.2M



Avg. Monthly Employee Salary

\$118K











Department	Employee Name	→ Average Salary
IT/IS	Ait Sidi, Karthikeyan	\$13,198
Sales	Houlihan, Debra	\$12,320
IT/IS	Roehrich, Bianca	\$12,188
IT/IS	Favis, Donald	\$12,079
Sales	Valentin, Jackie	\$12,079
Sales	Riordan, Michael	\$11,888
Sales	Onque, Jasmine	\$11,781
Sales	Strong, Caitrin	\$11,687
IT/IS	Turpin, Jumil	\$11,667
Sales	Nguyen, Dheepa	\$11,657
Sales	Digitale, Alfred	\$11,631
Sales	Fraval, Maruk	\$11,615
Sales	Gonzales, Ricardo	\$11,597
Sales	Mullaney, Howard	\$11,595



# Business Intelligence أشهر برامج التحليل الذكي للأعمال

SAP Business Intelligence Zoho Analytics

Oracle BI Sisense

Microsoft Power BI Looker

MicroStrategy Clear Analytics

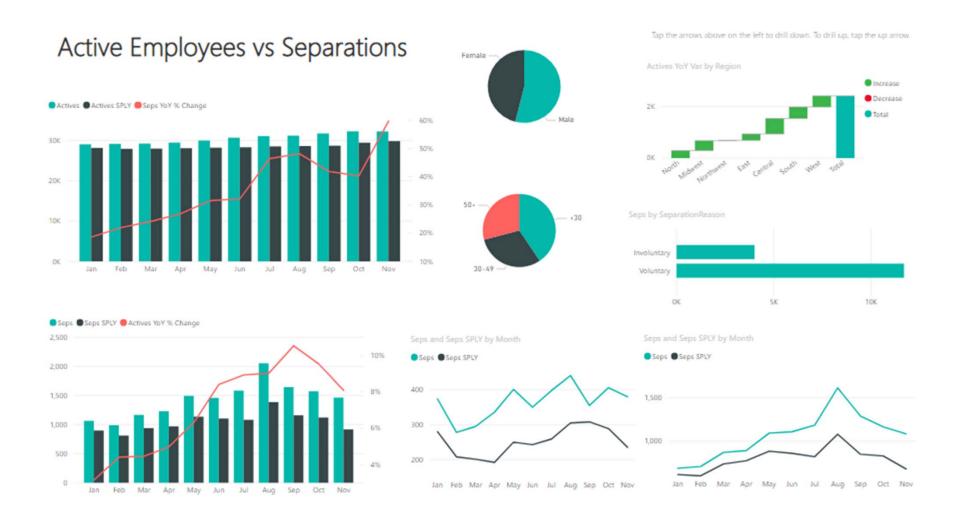
Datapine Tableau

SAS Business Intelligence Domo

Yellowfin BI IBM Cognos Analytics

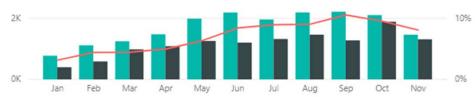
QlikSense





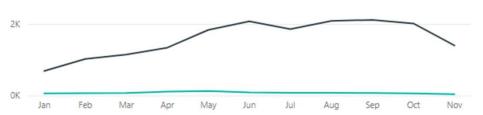
#### New Hires

● New Hires ● New Hires SPLY ● Actives YoY % Change



New Hires by Month and FPDesc





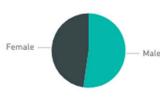
New Hires and Actives by Region and Ethnicity

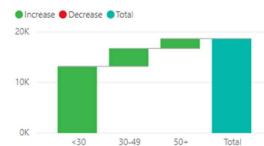




Tap the arrows above on the left to drill down. To drill up, tap the up arrow.

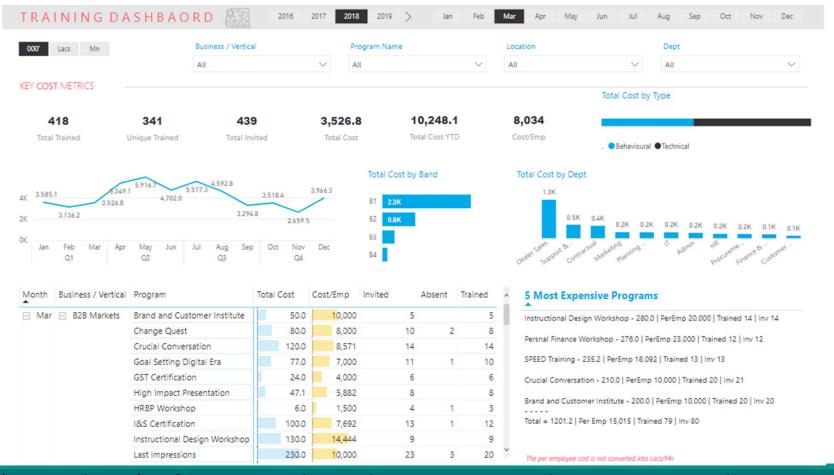




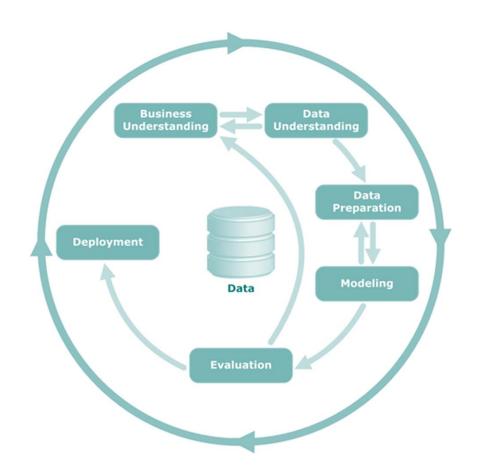




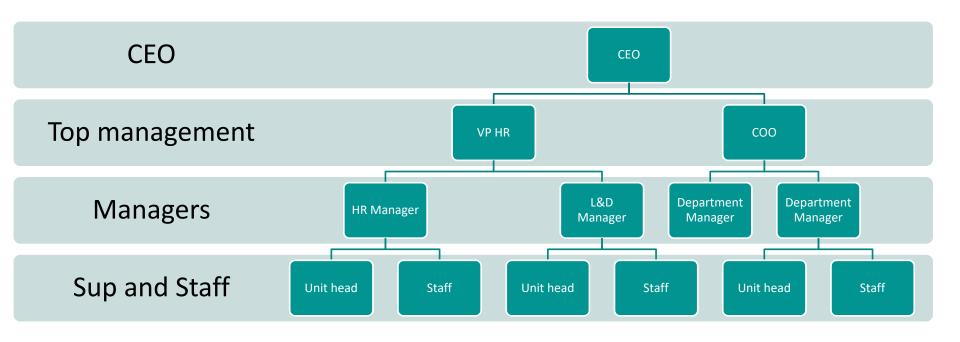
#### The L&D Dashboard



How to start



# Deployment



# **RACI Example**

Actions for the	Roles and Responsibilities						
Focus Area	Rita	Bob	Sue	Tom	Dick	Harry	Sally
Strategic Plan	R+A	1	C/I	1	1	1	1
Leadership Development	R+A	С	CA	1	1	1	1
External Masterclasses	R+A	1	C/I	C/I	1	1	1
Commissioning external consultants	R+A	С	1	C/I	1	1	1
Strategic Measurement	R+A	1		1	1	1	1
Professional Development	R+A	С		1	1	1	I/C
Change Agent Programme	R+A	1	C/I	1	1	1	1

## Where is AI Being Used in HR?

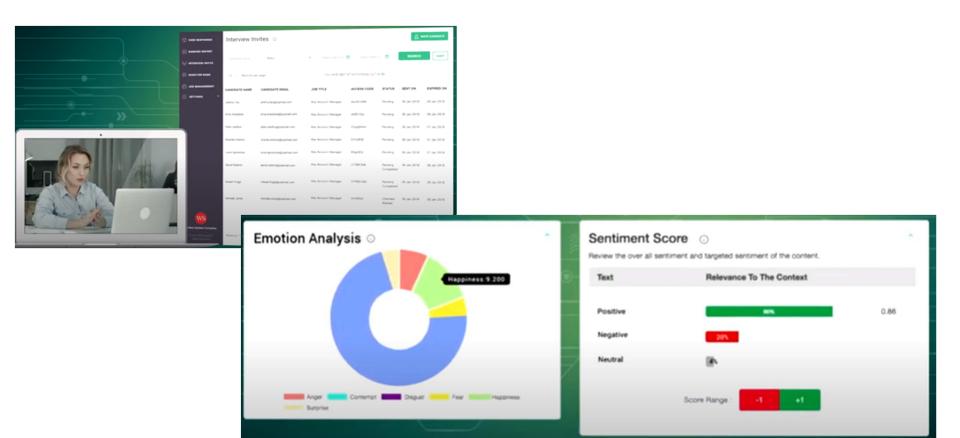
Sourcing	Screening,	&	Interviewing	40%
	O/			

Career Development & Training 29%

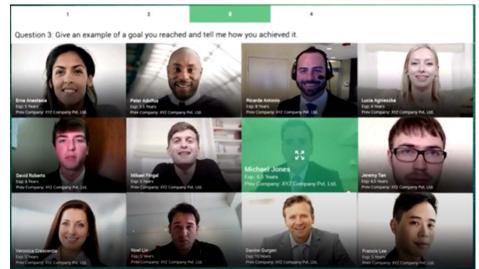
Improve Candidate Recruiting 26%

Performance Management 24%

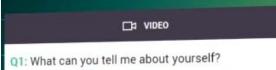
Provide Recruiters with Hiring Insights 24%















#### Transcript

Text	Confidence	Sentiment
Hello my name is Jeremy Tan and I work at XYZ as an Account Manager	0.723	71.2%
I am currently looking for a better opportunity	0.333	92.5%
I have an experience of 4.5 years	0.834	52.1%
would like to contribute to the organisation	0.926	67.85
My experience in client servicing and account management has helped me to	0.926	
create and maintain excellent rapport with the clier of various regions	nts 0.987	
on parabacket the		



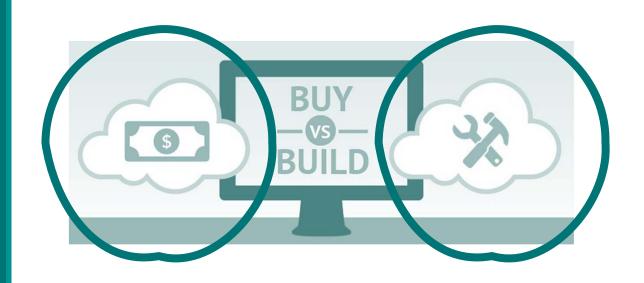
# Video Interviewing



# HR Analytics Case Studies with Business Impact

COMPANY	ISSUE	BUSINESS IMPACT:
EXPERIAN	Turnover at Experian	Estimated savings of \$8,000,000 to \$10,000,000 over the past 18 months
CREDIT SUISSE	Predicting who will quit	Approximately \$ 70,000,000 in savings per year by retaining high performing employees
FMCG RETAILER	A/B Testing Employee Training	An ROI of 400% on training programs in the first year
E.ON	Sick days at E.ON	Improved their understanding of the causes of absenteeism and reached effective means to reducing the latter.
SHELL	Engagement at Shell	1% increase in employee engagement resulted in a 4% drop of 'recordable case frequency'

How to start



Business Intelligence Service

1 day per week + Capacity building

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Contacts

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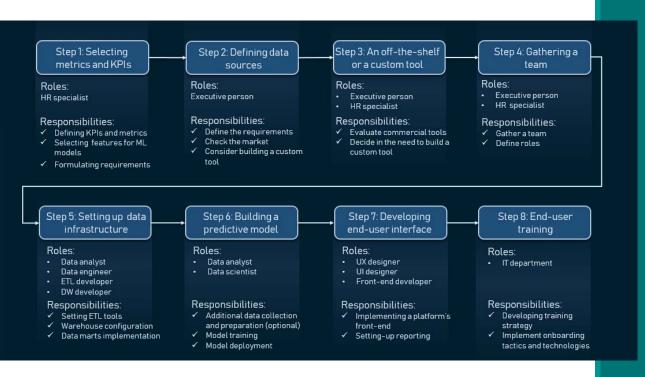


علاء عبد الهادي استشاري في شركه الحلول المتقدمة للإدارة بكندا

عمل م. علاء في استشارات تطوير الاستراتيجيات واعاده الهيكلة وتطوير الموارد البشرية وحلول المعلومات وتحليل البيانات في عدد من شركات البترول والهيئات الحكومية والشركات الخاصة والشركات الهندسية بالإضافة الي الجمعيات غير الهادفة للربح كما وعمل في عدد من الشركات الاستشارية العالمية

قام المهندس علاء بتقيم عدد من الشركات في جائزه دبي للموارد البشرية

حصل م. علاء على ماجستير في اداره الاعمال من جامعه ماسترخت في هولندا و شهاده متخصص في الموارد البشرية من جامعه مينيسوتا وشهاده متخصص في تحليل البيانات من جامعه دوق وكان المهندس علاء عضو مجلس اداره في جمعيه العربية لإدارة الموارد البشرية لمده ثمان سنوات بالإضافة الى عضويته في العديد من الجمعيات المتخصصة



# A guide to implementing HR analytic