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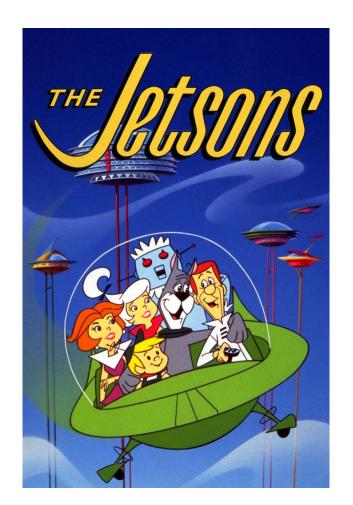
People Analytics

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What do we know about the Future of Work?







What would life be like in 2062?

















But what about work?



George Jetson worked a 9-hour week



The world of work is changing

The average career is now 60 to 70 years long

The half-life of a learned skill is 5 years

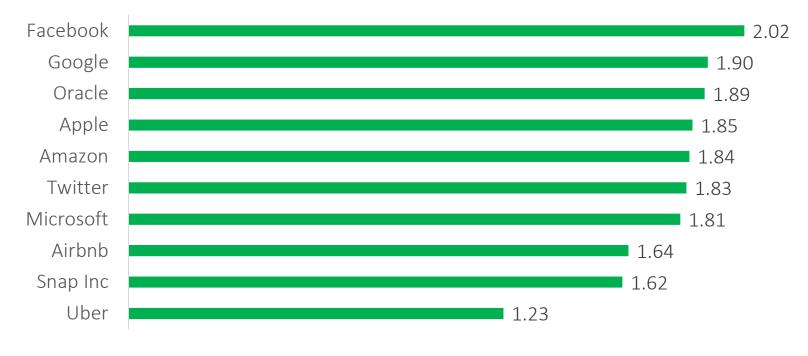
The average tenure in a job is 4.5 years

Sources: The 100-year life: Living and Working in an Age of Longevity; A New Culture of Learning: Cultivating the Imagination for a World of Constant Change





Average tenure of employees at Tech companies



Source: Paysa.com (2017)





Employees are overwhelmed and overworked

37% of British workers think their jobs are meaningless

We are "accessible" to work 88.5 hours a week

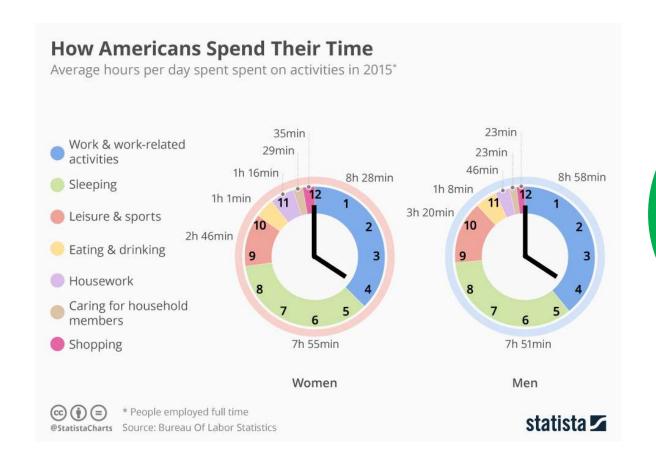
28% of a worker's time is spent answering email

Sources: YouGov Poll 2015; Harvard Business School and University of California research (Melissa Mazmanian, Leslie Perlow and Jessica Porter); Mckinsey - The social economy: Unlocking value and productivity through social technologies





We spend more hours working than anything else



What technology do you use for each of these categories?





You can find anything in seconds





















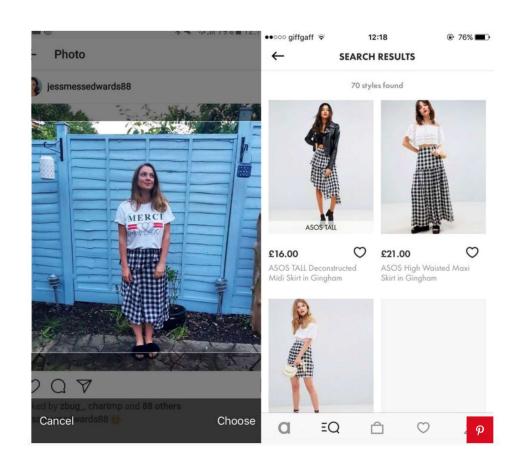






Visual search for shopping apps

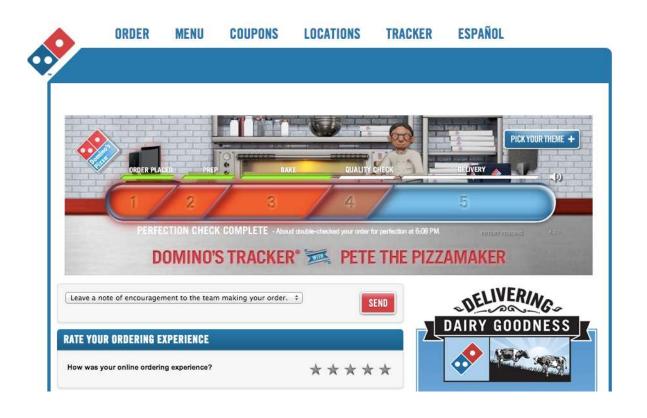
Upload an image and the app matches clothes for you to buy







Tracking where your food order is online

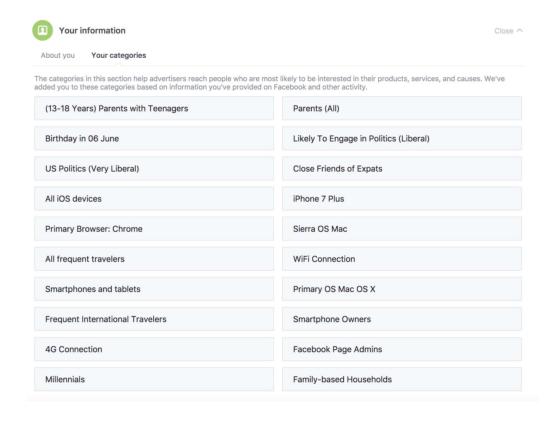


Domino's allows you to track your pizza at every stage





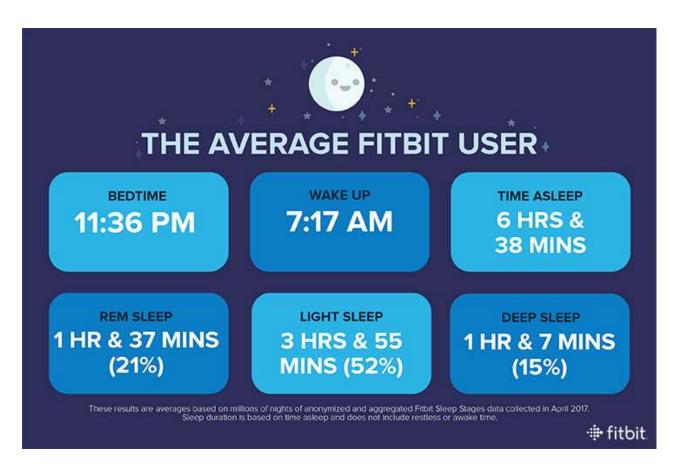
We all know Facebook has a lot of data!



Facebook categorises your activity to target advertising



We even have more data about our sleep than work!





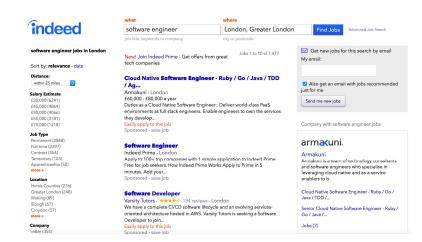


But how we find work hasn't really changed....

Before





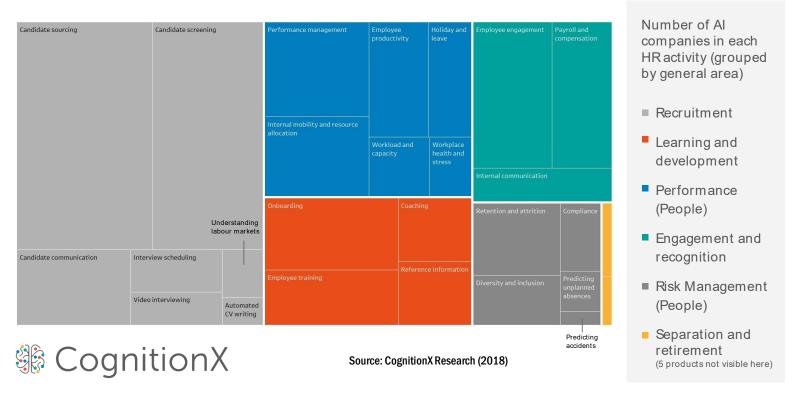






...yet. The HR technology market is growing rapidly

Over 300 Al products are being applied across use cases





The link between technology and analytics

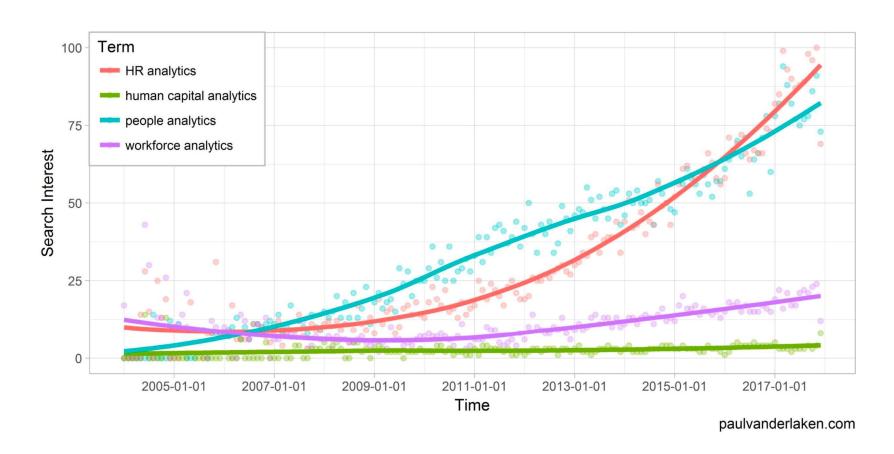
- An increase in data opens the door for advanced People Analytics
- People Analytics can help all levels of the workforce:
 - Employees: Skill/job matching, career planning, personalised recommendations
 - Managers: Hiring, Coaching, Team performance and engagement levels
 - **HR**: Increase credibility, improve organisational performance and partner as a strategic advisor



What is People Analytics?



The Rise of People Analytics...





...but getting traction can feel like this







Seven Characteristics of Leading People Analytics

- Analytics maturity is not possible without data accuracy, security and consistency
- 2. Mature organisations use multiple listening channels to gain a clearer understanding of talent issues

Source: Bersin by Deloitte (2017). High-Impact People Analytics





Example of a Listening Architecture



Source: Bersin by Deloitte (2017). High-Impact People Analytics





Seven Characteristics of Leading People Analytics

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- 4. Strong People Analytics teams possess a diversity of expertise and deep organisational connections





Typical roles in a People Analytics Team

Data Analyst



Excel Tableau Database Mgmt

Data Scientist



Statistical Modelling
NLP
R / Python

Specialists



I/O Psychologist Employee Listening External Datasets

Consultant



Customer Facing Business Savvy Storytelling



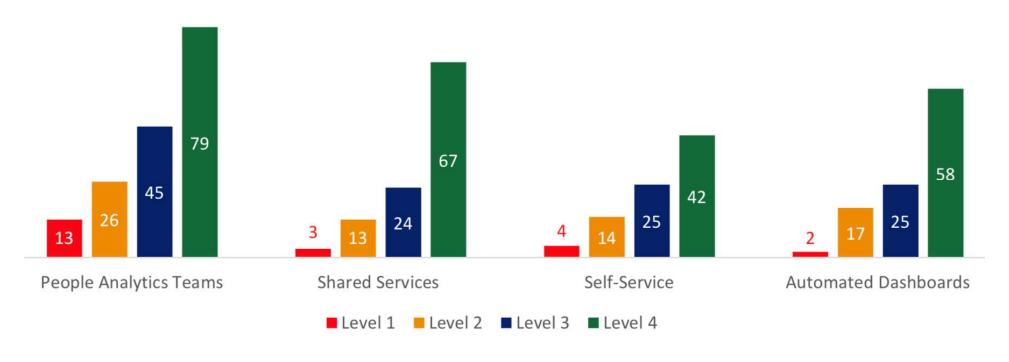
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Orgs using Delivery Solutions by Maturity Level



Source: Bersin by Deloitte (2017). High-Impact People Analytics





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- Strong analytics teams focus on actionable and scalable information delivery solutions
- Strategic alignment with the Business and partnerships with Operations and Corporate Functions are key



How to Drive Alignment with the Business

1. Identify and work on problems that are relevant to the Business

2. Translate insights from People Analytics projects into ACTION and Business decisions



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- 5. Strong analytics teams focus on actionable and scalable information delivery solutions
- 6. Strategic alignment with the Business and partnerships with Operations and Corporate Functions are key
- 7. Organisations can only reach their full potential in analytics maturity when data-driven decision-making is embedded in the culture





Bersin's People Analytics Maturity Model



Source: Bersin by Deloitte (2017). High-Impact People Analytics



Building a
Successful
People
Analytics Team





Six Skills Needed for Successful People Analytics Teams

Particularly relevant for People Analytics leaders

Business Acumen

- Financial literacy
- Political astuteness
- Internal awareness
- External awareness

Communications

- Storytelling
- Visualization
- Writing
- Presenting
- Marketing

Consulting

- Problem definition
- Hypothesis building
- Project management
- Solution development
- Change management
- Stakeholder management

Data Science

- Quantitative: mathematics and statistics
- Computer Science: databases and programming
- Data awareness

Human Resources

- HR sub-functions
- HR interdependencies
- International HR
- Privacy and ethics
- HR "sixth sense"

Work Psychology

- Industrial psychology
- Organizational psychology
- Research design and analysis

n=60 interviews (across 54 companies from 15 countries in 5 continents) Source: The Power of People; Guenole, Ferrar, Feinzig

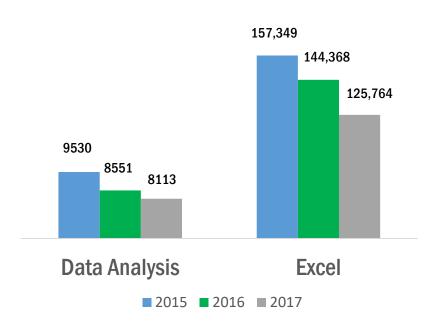


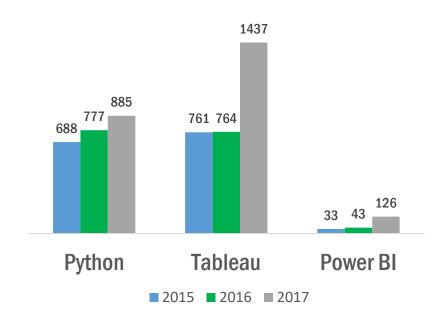


What analytics skills do you really need?

Reduction in demand for generic analytics skills

Increase in demand for specific analytical skills





Source: Burning Glass Technologies: Skills mentioned in US Job postings each year (2018)





How to Run a Successful Analytics Project

1
Frame Business
Questions

Build hypotheses

3 Gather Data 4 Conduct Analyses

5 Reveal Insights Determine recommendations

Get Your Point
Across

8 Implement And Evaluate

Source: The Power of People; Guenole, Ferrar, Feinzig





Principles of Storytelling

Principle 1

Educate Don't Fabricate

Present Facts
Convey Your Message
Be Honest

Principle 2

Enlighten
Don't
Overwhelm

Provide Highlights
Stay Relevant
Be Concise

Principle 3

Convince Don't Confuse

Guide Your Audience Articulate Actions Inform Decision Making

Source: The Power of People; Guenole, Ferrar, Feinzig









HR needs to do more than just count steps...







Started by monitoring steps / calories burned



Added distance travelled, floors climbed and sleep patterns



Added heart rate and GPS tracking



Added weight and body fat tracking with scales



Added food intake and hydration tracking



Created integrated dashboards and targets





...we need to provide insights to drive action







My People Analytics journey at Cisco





HC data, org levels, attrition, hiring, diversity, comp etc



Added monthly engagement, listening and performance data



Added contingent worker and workspace usage data



Added external talent views, candidate and glassdoor data



Added sales performance and internal skills data



Created integrated dashboards and targeted analytics



Examples and Case Studies



Implementing People Analytics

Remember to focus on the business problems your company faces

Common people analytics projects include ones to:

- Predict employee flight risk and/or absence
- Link employee engagement to business performance
- Improve quality of hire and reduce time to productivity
- Understand characteristics of high performers and high performing teams
- Support site strategy and workplace design
- Promote diversity and inclusion initiatives
- Personalise and improve the employee / candidate experience
- Improve organisational effectiveness



Case Study: IBM

Proactively identify top talent at risk of voluntarily leaving the organisation and take appropriate action in time to actually affect such employee departures, avoiding financial and knowledge losses

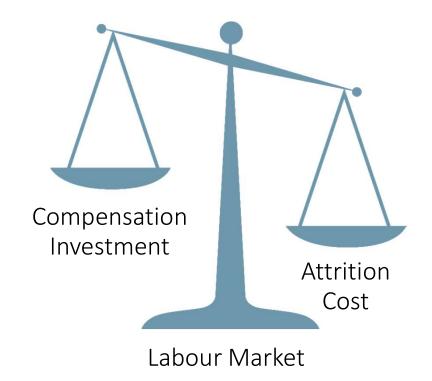
~25%

Reduced attrition

~\$300M

Net benefits

~200%





Case Study: Virgin Media

The impact of candidate experience on customer retention:

7,500

customers left Virgin Media as a result of a poor candidate experience \$6m

lost revenue from poor candidate experience

\$7.7m

potential new customer revenue stream by getting candidate experience right





Adding Glassdoor data to Engagement reports







Using External data to understand Hiring and Attrition

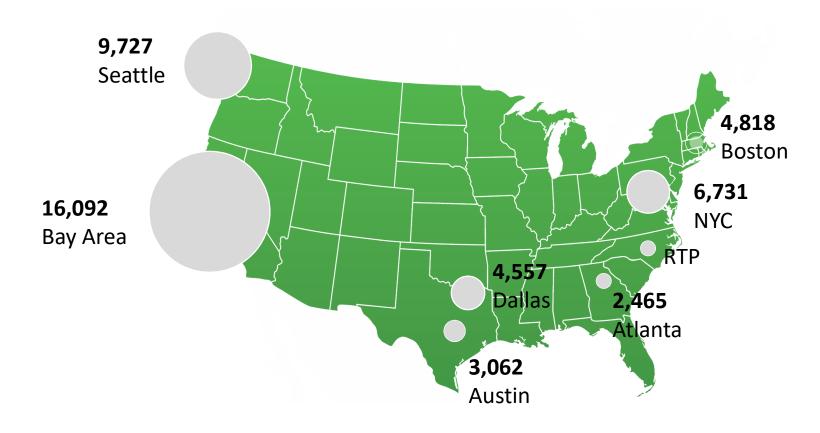


* Illustrative data only





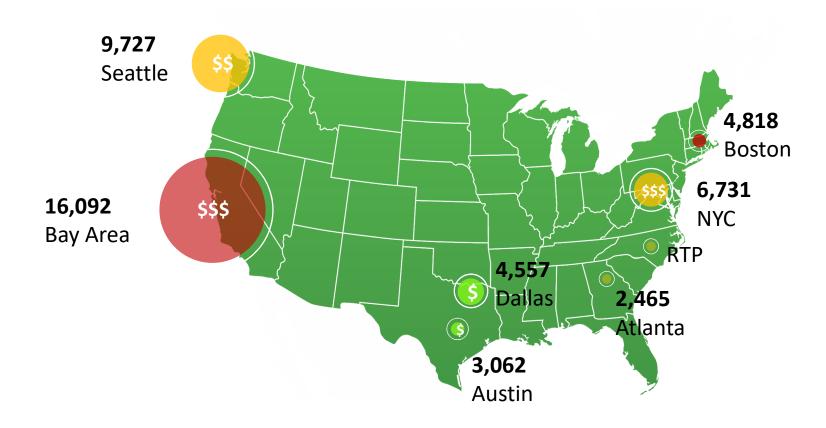
Understanding External Talent Supply







Adding External Demand and Cost

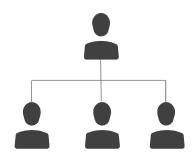






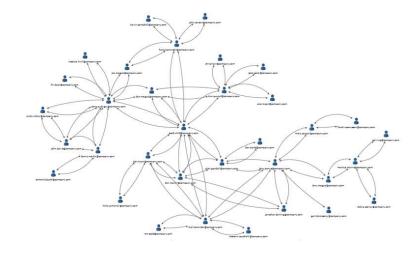
Using ONA to Understand Org Dynamics

Traditional Org Charts



VS.

Dynamic Org Behaviours







Understanding how your teams work and collaborate





Sales Activity



Documents



Customer Data

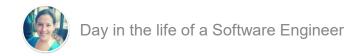


IT Work / Code







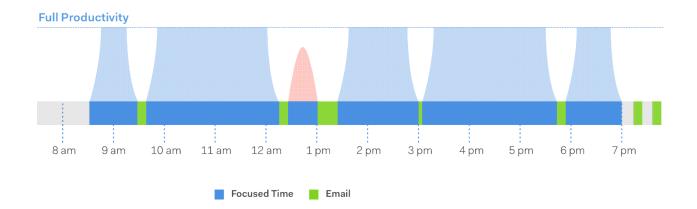






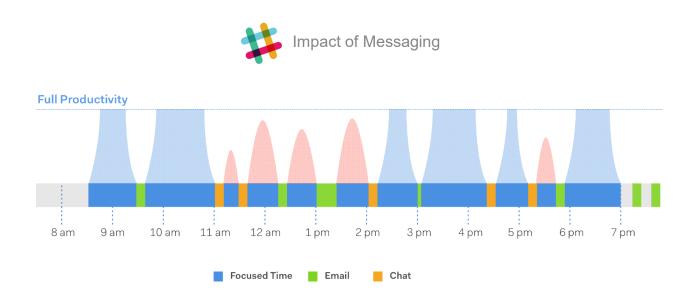








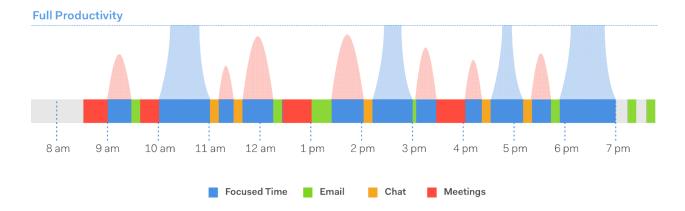






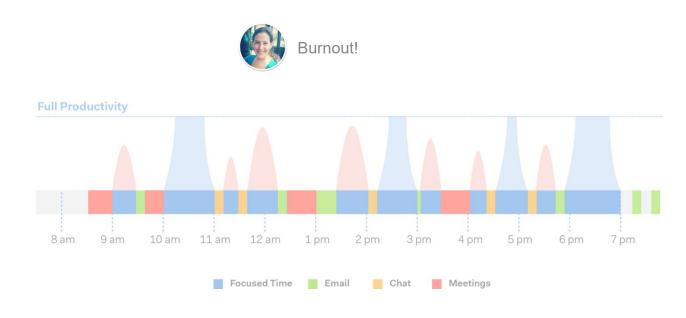














Time at full productivity



Time lost due to poor scheduling



The Future of Work is here

- How we work has evolved and will continue evolving
- Everyone will work several careers; across multiple businesses and industries
- Workers expect everything to be on-demand and hyper-personalised
- Orgs will need to foster a culture of life-long learning
- Businesses will need to think about, engage and manage their workforce differently
- HR technology and analytics is going to be critical in how we adapt to the new world of work





People Analytics is essential to success

- People Analytics is being used by organisations to solve a range of different business challenges
- Remember that while it's okay to be inspired by what other companies are doing, make sure you apply it to your own organisation – always focus on the Business problem
- There are a number of resources available to inspire and support your learning





