



The Science of Work: Think like a scientist!

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Bringing science to the world of work





To give leaders trustworthy and useful insights from behavioral science.



What's in common?

Evidence-Based HR

practice and solutions

But first... a quick survey!



Complete the pool





Job Tenure



What do you think happened to average job tenure in the past 10 years?













Job Satisfaction



What do you think happened to job satisfaction in the past 10 years?



Up? Down? Same?









Do you think the World of Work is moving faster? Is there more VUCA (volatility, uncertainty, complexity and ambiguity)?









Considering the "Future of Work..."





- We're truly terrible at making predictions
- We're easily swayed by powerful imagery and compelling stories
- "Now that we're in the age of..." → big assumptions
- "As we all know..." → big assumptions

Extraordinary claims require extraordinary evidence!





Considering the "Future of Work..."

- Oversimplification of what future workplaces will look and feel like
- Implication that changes are required <u>now</u> for an uncertain future

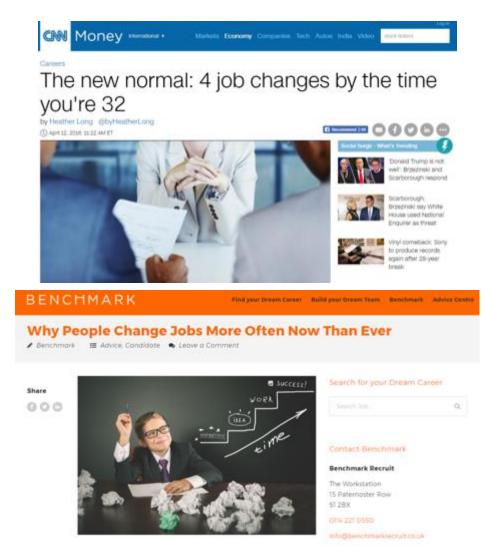
A focus on the future may lead us to buy in to fads, fashions and organisational myths, which can be expensive and disruptive.



Job Tenure



Job Tenure







Job Tenure US

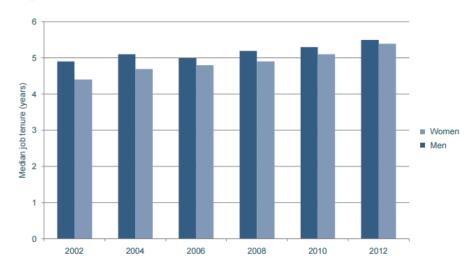


Figure 7: Median job tenure in the USA, 2002-2012

Job Tenure UK

A number of studies suggest that the average amount of time people spend with employer – average job tenure – did not shift greatly between the mid-70s and the mid-2000s. Average job tenure appears to have increased slightly in recent years – consistent with falling job turnover.

(CIPD's Megatrends, 2013)





Job Satisfaction



Job Satisfaction



Employee Job Satisfaction Is Low, Motivation to Leave Is Lower









JUN 20, 2014 @ 09:32 AM 93,53

Most Americans Are Unhappy At Work







UK employee satisfaction drops to two-year low

Written by Eric Johansson on Friday, 06 May 2016. Posted in Engagement, People





Job Satisfaction US

	Completely satisfied	Somewhat satisfied
	%	%
2015 Aug 5-9	44	42
2014 Aug 7-10	48	41
2013 Aug 7-11	46	39
2012 Aug 9-12	47	42
2011 Aug 11-14	47	36
2010 Aug 5-8	48	39
2009 Aug 6-9	50	37
2008 Aug 7-10	48	42
2007 Aug 13-16	46	48
2006 Aug 7-10	43	47
2005 Aug 8-11	42	44
2004 Aug 9-11	50	39
2003 Aug 4-6	44	41
2002 Aug 5-8	43	46
2001 Aug 16-19	41	44
1999 Aug 24-26	39	47
1997 Aug 22-25	35	51
1989 Jul 18-21	28	61

Job Satisfaction UK









Wisdom at Work in "VUCA Times"

Leading Through VUCA

Communication in a VUCA World



6 TALENT STRATEGY LEVERS FOR

A VUCA WORLD

VUCA - Reality of contemporary business environments

Leading Learning in VUCA Times

We live in a VUCA world

THRIVING IN A VUCA WORLD

Leading In A VUCA World





The **Economist**

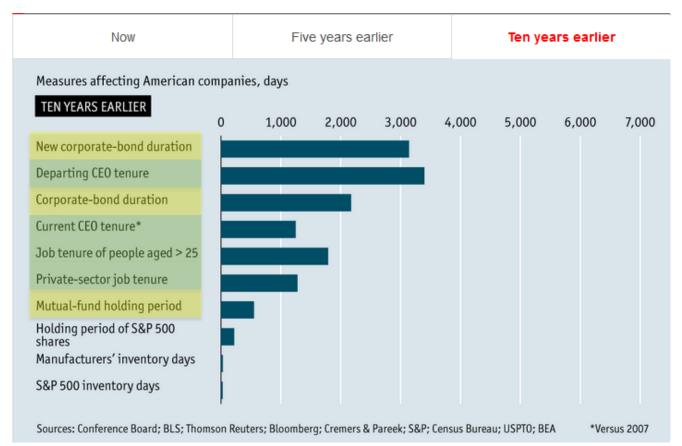
The Economist

"The idea that time is speeding up is clearly popular. It is also plausible. There is just one problem. It is very hard to prove that it is actually happening."

"Hard evidence of a great acceleration is hard to come by. The Economist has considered a variety of measures by which the speed of business in America can be quantified. A few do show some acceleration. But a lot do not."











So what? What's wrong with wrong beliefs?

The greatest enemy of knowledge is not ignorance, it is the illusion of knowledge.

(Stephen Hawking)



They're a distraction and diversion

They affect the decisions HR practitioners makes in relation to (for example)

- Recruitment practices
- Retention practices
- Improving job satisfaction
- The speed with which decisions need to be made





How do myths and fads take hold?

In part, our faulty thinking and decisionmaking





Some examples of our faulty thinking at work...

Social proof We're right, because others are doing it too

Availability heuristic Only using the evidence that is available to us

Confirmation bias Interpreting new information based on our expectations

Fundamental attribution error It's who they are, rather than the circumstances

Action bias Doing something is better than nothing

Hindsight bias In retrospect, it all seems clear

Chauffeur knowledge Putting too much trust in a spokesperson

Regression to the mean It'll get better/worse anyway

Outcome bias Evaluating the decisions based on the outcome, not the decision process

Story bias We look for connection and meaning to derive a narrative

Liking bias Influence due to personal liking of a person or thing

Groupthink Poor decision-making due to group agreement/conformity

False causality Correlation is not causality





So what does it mean to be evidence-based?

- "Knowing what works, in what way and for whom"
- "The conscientious (effort), explicit (clarity) and judicious (critical of quality) use of evidence from multiple sources to increase the likelihood of a favourable outcome"
- An evidence-based approach emphasises:
 - the appraisal of good quality evidence and methodology
 - to improve the quality of our decision-making
 - and the outcomes from our interventions in the workplace.

Think Like a Scientist!





Why be evidence-based?

World of Increase in work is overextremely simplified off-**Understanding** complex the-shelf how solutions interventions actually work Bias in Why be evidence-based? decisionmaking Difficult to measure **Avoiding** impact of people fads and practices/interventions fashions





Advantages of these approach



future

Science as a source of evidence



Why still only few organizations use it:

- is hidden behind paywalls,
- hard to understand,
- not always practical

Why is important:

- Because is like a very rigourous and trustworthy case study
- Because scientists may have understood (and maybe even solved)
 the problem that you are trying to solve





Generational differences



What do you think generational differences impact the most?

- 1. Commitment to the company
- 2. Turnover
- 3. Work Ethic
- 4. Job Satisfaction
- 5. None of the above





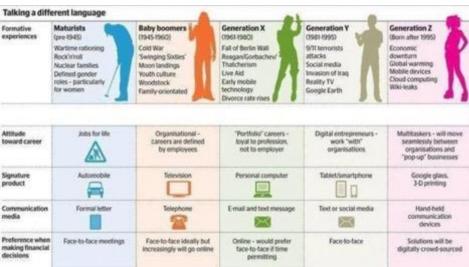
Different generations



Different work ethic, satisfaction & turnover



3 Truths About Millennials That Will Change the Way You Manage Them







BUSINESS JOURNAL MAY 12, 2016

Millennials: The Job-Hopping Generation



THE BLOG 02/22/2016 01:26 pm ET | Updated Feb 22, 2017

The Problem With Millennials and Work Ethic



Different generations Different work ethic



Boomer Work Ethic May Be No Stronger than GenX or Millennials

BY KICK INAUCIT FIID ~ 1 min read

decade or two later.

Researchers have determined that contrary to current opinion, the baby boomer generation does not have a greater work ethic than people born a

A team of researchers from Wayne State University in Michigan completed a comprehensive analysis of 77 relevant studies to arrive at the new conclusion.

The economic success of the United States and Europe around the turn of the 20th to the 21st century is often ascribed to the so-called Protestant work ethic of members of the baby boomer generation born between 1946 and 1964.



Summary of 77 studies in 85 organizations involving 20.000 people





Different generations



Different job satisfaction, commitment and turnover

Summary of 20 studies in 25 organizations involving 20.000+ people

What does scientific research say about generational differences?

Costanza and colleagues (2012) conducted the first known quantitative meta-analysis published in the Journal of Business and Psychology. Meta-analyses are large researches that systematically review the scientific evidence available, excluding unreliable studies and critically evaluating and weighting empirical findings, in order to make very trustworthy conclusions. They reviewed 265 articles and finally included 20 very reliable researches across pearly 20 000 workers, in order to see if generational differences had an effect on job satisfaction, organizational commitment, and intent to turnover. The four different generations of employees taken into account were Traditionals, Baby Boomers. Generation X. and Millennials.

Contrary to the claims about generational differences, they surprisingly found that there were **no significant differences in job satisfaction, organizational commitment and intent to turnover** that can be explained by different generation membership. Older workers were slightly more satisfied than younger workers and they were less likely to leave their jobs; but this result was explained by the difference in age or tenure of the employees, not because of generational differences. In other words, as the employees get older and progress through their careers, their jobs often gain a greater degree of autonomy, variety, and task meaning, which can increase job satisfaction. Regarding organizational commitment, there was no significant difference between older and younger generations. To sum up, the results demonstrate that the differences appear to most likely be caused by other factors, rather than generational differences.



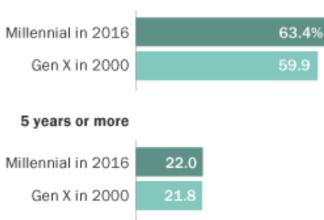




Millennials' job tenure no shorter than that of prior generation

% of 18- to 35-year-old workers by length of employment with current employer

13 months or more







Yearly training expenditure US

Teamwork

\$70 Billion

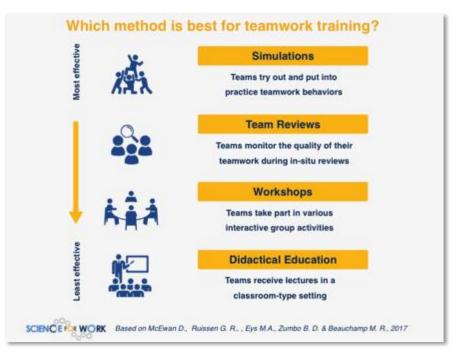






Teamwork Training





Summary of 51 studies of 71 different trainings involving 8.400 people





Onboarding

How To Build An Effective Employee Onboarding System - Forbes https://www.forbes.com/.../how-to-build-an-effective-employee-onboarding-system/ > Mar 16, 2017 - One of the common threads I've noticed in the most successful teams I've met is effective onboarding. When you're an entrepreneur, slowing ..

5 Strategies for an Effective Employee Onboarding Process - Thrive TRM thrivetrm.com/5-strategies-employee-onboarding-process/ >

Apr 12, 2016 - Understanding the strong connection between a well-designed onboarding process and later employee retention can help you assign onboarding the priority it deserves in your talent management strategies. ... Orientation and training are essential parts of the onboarding process, but

How to Build an Onboarding Plan for a New Hire I Inc.com https://www.inc.com/guides/2010/04/building-an-onboarding-plan.html Onboarding plans are intended to make new employees familiar with the overall goals ... With an effective onboarding program, you should aim to present basic ...

Employee Onboarding Program Strategies I Chronus

https://chronus.com/employee-onboarding-program-guide v In this guide, learn how to make your employee onboarding program strategic and effective for better new hire engagement, productivity, and retention.

Run an Effective New Hire Onboarding Program 4 Key Pillars ... https://www.mindtickle.com/.../run-effective-new-hire-onboarding-program-4-key-pil... ▼ Effective new hire onboarding programs help you foster a more successful work atmosphere and better bottom line results. Learn the four key pillars!

7 Steps to an Effective Onboarding Process | TriNet Blog https://www.trinet.com/hr-insights/blog/.../7-steps-to-an-effective-onboarding-process > Oct 7, 2016 - Poor onboarding can have many disastrous effects and it can set a new employees up for failure. Here are seven ways to improve your ...

A Step-by-Step Checklist for Effective Employee Onboarding https://growtheverywhere.com/hiring-2/effective-employee-onboarding/ > Imagine this, you just got hired at a new company that you were really excite to work for. They put you through a rigorous hiring process, you faced every ...

5-Point Checklist for Effective Employee Onboarding - TINYpulse https://www.tinypulse.com/blog/sk-every-employee-onboarding-tip-youll-need * Jun 19, 2017 - How strong is your company's employee onboarding process? Use this five-point checklist to help new hires smoothly transition into your .

6 Steps to Create an Effective Employee Onboarding Experience https://www.entrepreneur.com/article/253691 ▼ Jan 4, 2016 - Onboarding is a well-known practice in human resources (HR) ... Here are five steps to

creating an effective onboarding experience at your ...





Onboarding Process



Summary of 70 studies of 85 different organizations involving 12.000 people







Team Performance



What do you think is the most important driver of team performance?

- 1. Members' intelligence
- 2. Team cohesion
- 3. Psychological safety
- 4. Knowledge sharing
- 5. None of the above









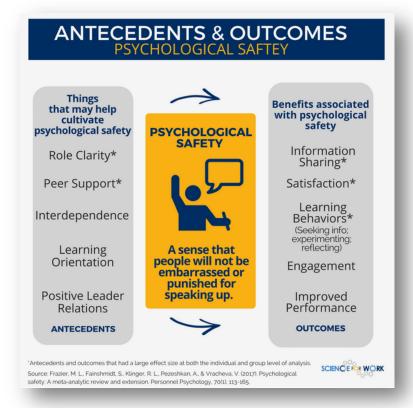
Psychological Safety





Psychological Safety





Summary of 117 studies in 130 organizations involving 22.000 people and 5.000 groups





Psychological Safety





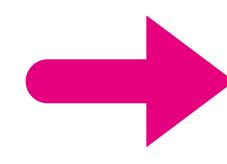




Team Performance

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Team Cohesion!

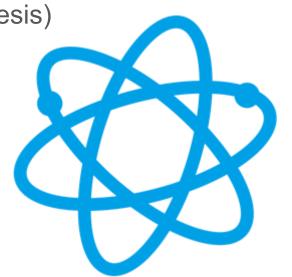
bonds of friendship, caring, closeness, and enjoyment of each other's company





Putting this into practice: Think like a scientist!

- What's the problem you're trying to solve? (Hypothesis)
- How do you know there's a problem?
- What's the evidence that potential solutions work?
- How will you know if the solution works for you?







Putting this into practice: Think like a scientist!

- What data can you use?
- What methods can you use to gather and analyse it?
- How will you share your learning?
- How will you make this part of what you do?







Useful Resources



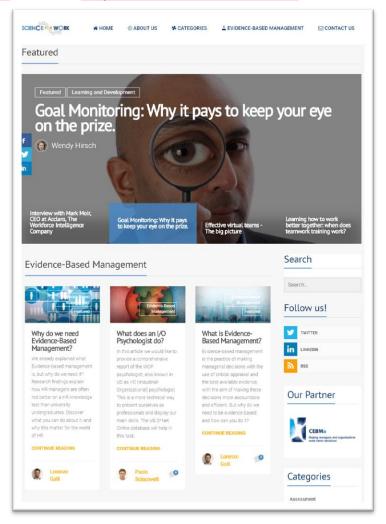


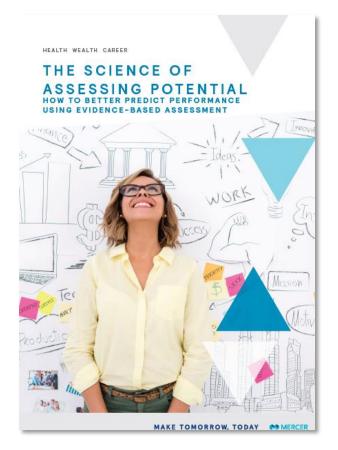


https://www.mercer.com/

www.futureworkcentre.com/









THANK YOU

