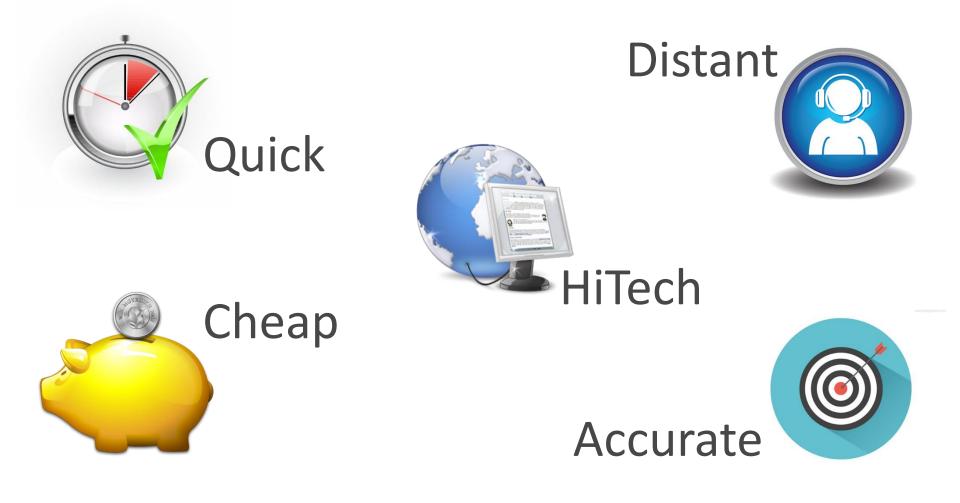


Combining Psychometric Tests and Assessment Centers

Svetlana Simonenko 10.12.2017



Market trends in assessment





How to use psychometric results in AC

- 1. Integrate into AC ratings
- 2. Integrate into AC ratings just in questionable cases
- 3. Use just as an additional information
- 4. Use for identifying an individual potential for development
- 5. Somehow else...

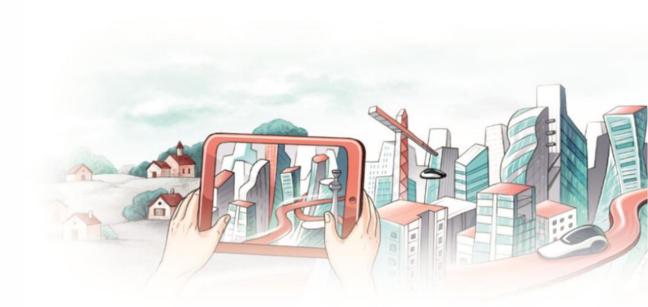


Our researches

- Personality questionnaire & AC|DC 2007
- Ability tests results & AC | DC 2010
- Dimension Ratings & AC | DC 2012
 with George C. Thornton III, Alyssa Mitchell Gibbons, Anna Kravtsova
- Ability tests results & AC|DC for top & middle managers – 2015
- Personality scales & AC|DC rating 2016-2017
- Personality composites & AC|DC rating 2017



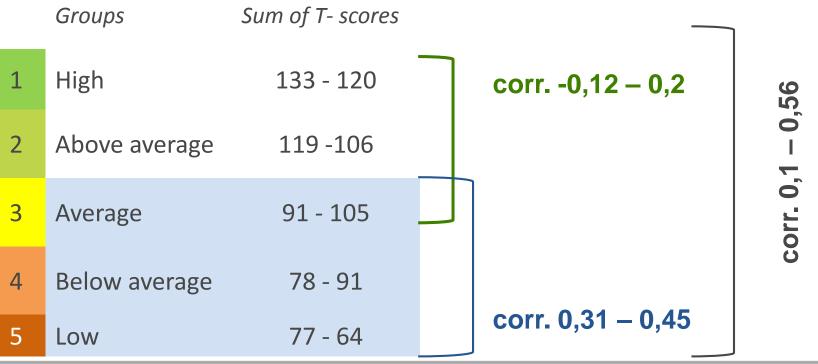
Summary of the past researches



Cognitive ability tests results & AC

- Low-level intellectual abilities adversely affect the effectiveness of a manager's behavior.
- High-level of intellectual abilities does not result in an increase in effectiveness.

Top& middle management group N over 500 2008-2015





Personality questionnaire (15FQ+) & AC

Competency	Personality characteristics		
Leadership	Accommodating – Dominant Sober Serious – Enthusiastic Trusting – Suspicious Concrete – Abstract	Conventional – Radical Group-Orientated - Self-Sufficient Composed – Tense-Driven	
Thoroughness of Execution	Low – High Intellectance Accommodating – Dominant Sober Serious – Enthusiastic	Expedient – Conscientious Retiring – Socially Bold	
Strategic Vision	Low – High Intellectance Expedient – Conscientious Hard-headed – Tender-minded	Trusting – Suspicious Concrete – Abstract Conventional – Radical	
People Development & Team Building	Distant Aloof – Empathic Low – High Intellectance Trusting – Suspicious	Direct – Restrained Self-Assured - Apprehensive	
Openness to Changes	Low – High Intellectance Expedient – Conscientious Hard-headed – Tender-minded	Direct – Restrained Conventional – Radical	
Corporate Spirit	Distant Aloof – Empathic Group-Orientated - Self-Sufficient	Informal – Self-Disciplined	
	The bold text indicates the predicted direction of the relationship.		

Competency & personality composites

	#		AC Competency Ratings					
		Personality Composites for:	1	2	3	4	5	6
(0)	1	Leadership	0,31**	0,26**	0,26	0,06	0,17	-0,15
sites	2	Thoroughness of Execution	0,15	0,30**	0,19*	0,01	0,10	0,02
odmo	3	Strategic Vision	0,21*	0,22*	0,40**	0,11	0,33**	-0,07
Personality Composites	4	People Development & Team Building	0,07	0,21*	0,23*	0,31**	0,17	0,16
berson	5	Openness to Changes	0,23*	0,22*	0,35**	0,12	0,38**	-0,05
	6	Corporate Spirit	-0,18	0,00	-0,14	0,13	0,02	0,42**

The **bold type** indicates predicted convergent validity coefficients.

*- correlation meets statistical significance criteria at α = .05.

**- correlation meets statistical significance criteria at $\alpha = .01$.

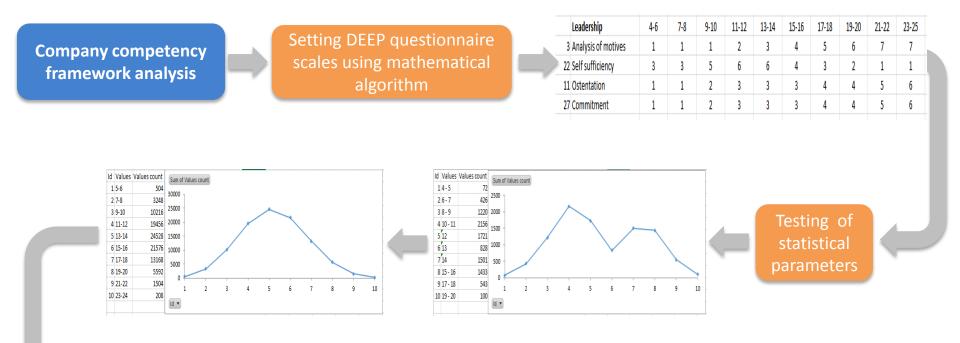
N112 managers



The next steps



Competency based online psychometric assessment – how it works







Assessment matrix (Case 1)

Business case	Group	Presentation	Role play with subordinate	Role play with client	Questionnaire DEEP
Competencies					Angeweing Compared State Command State Command System State Command State State Command Angewein Command State State Command Reserveine State Command Reserveine State Command Reserveine State Command
Decision making	✓	$\checkmark\checkmark$	\checkmark		\checkmark
Leadership	$\checkmark\checkmark$	✓	√ √	1	✓
Relationship Building	$\checkmark\checkmark$	√ √	V V	√ √	~
Customer orientation	✓	1	$\checkmark\checkmark$	√ √	\checkmark

Group	AC scores
High results	1,2-2
Average results	0,9-1,19
Low results	0-0,89

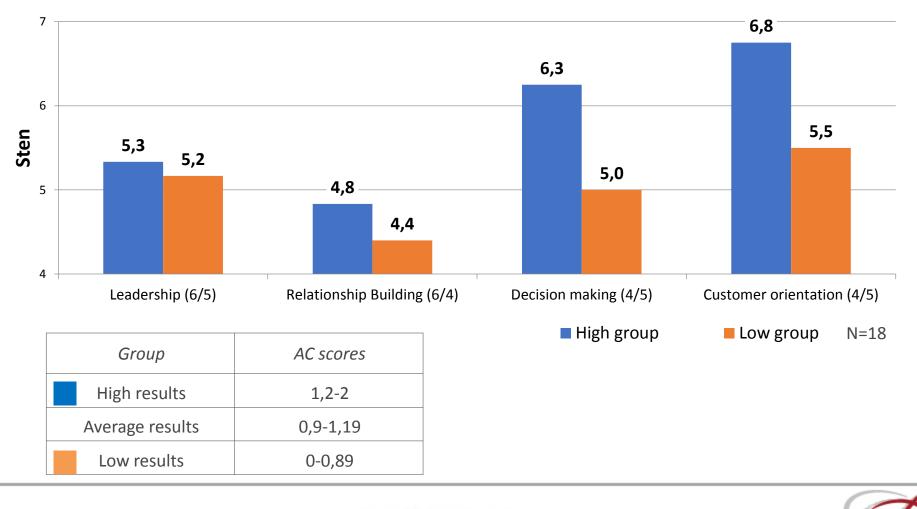


AC rating scale is from 0 to 2 (step =0,01)

Questionnaire (DEEP) scores is from 1 to 10 stens.

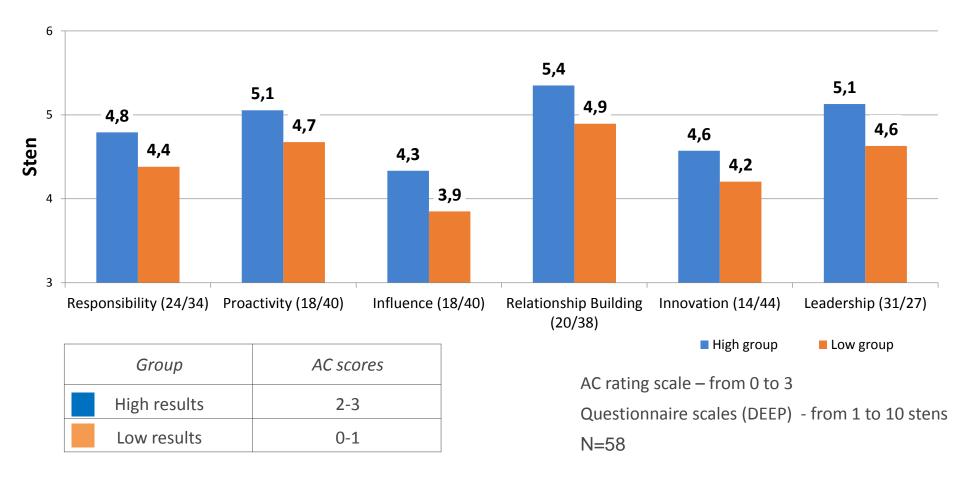
Personality composites & AC

Comparison of average results of High and Low AC's groups



Personality composites & AC (Case 2)

Comparison of average results of High and Low AC's groups





Major conclusions

- The link between psychometric results and AC|DC scores is variable from one organization to another. It could be a matter of:
 - Competency model
 - Skills of participants (corporate training programs)
 - Purpose of assessment (HiPo selection, recruitment, development, etc)
 - Quality of tools (exercises, tests etc.)
 - Assessors skills and experience
 - Anything else?
- Assessment methodology should relay on proven facts.

Proven facts = repeatable results in different researches

- **Psychometric tools and AC assess personality from different sides.** It isn't correct to substitute one method with another.
- The way of combining psychometric assessment and AC should depends on purpose of assessment.





Questions are welcome

