



What Is Leadership?



- Our problems begin!
- s it...
 - Behavior?
 - Effect (influence)?
 - Effectiveness (outcome)?
- For better and worse, I think it's all 3:
 - Leadership (n): Actions which influence a group toward the achievement of a vision or a set of goals



Are Followers Necessary?

To pile on even further, it is (arguably) inherently collective

The New York Times

Afghan Leader Lacks Followers

- What's the problem here?
- Was Albert Einstein a leader?

Theories of Leadership Pre 1985

1920 – 1950

- Trait Theories
 - "Great man" perspective
 - Mann's review [Ψ Bulletin, 1965] cast doubt on the perspective

1950 **–** 1970

- Behavioral Theories
 - Ohio State Michigan studies

1970 – 1985

- Contingency Theories
 - Effects of behaviors depend on situation
 - LPC Theory; Substitutes for Leadership; Path-Goal; Vroom-Yetton

ESTA Y

Theories of Leadership Since 1975

1975 – 1989

- Transformational/Charismatic Leadership Theories
 - House, 1977; Burns, 1978; Bass, 1985

1990 **–** 1999

- Attributional Approaches / Relational Theories
 - Lord, Brown, & Freiberg, 1996; Meindl, 1990;
 Graen & Uhlbien, 1995

1997 – 2013

- Ethical Theories
 - Ethical Leadership (Brown, Treviño); Authentic Leadership (Luthans, Avolio, Walumbwa)



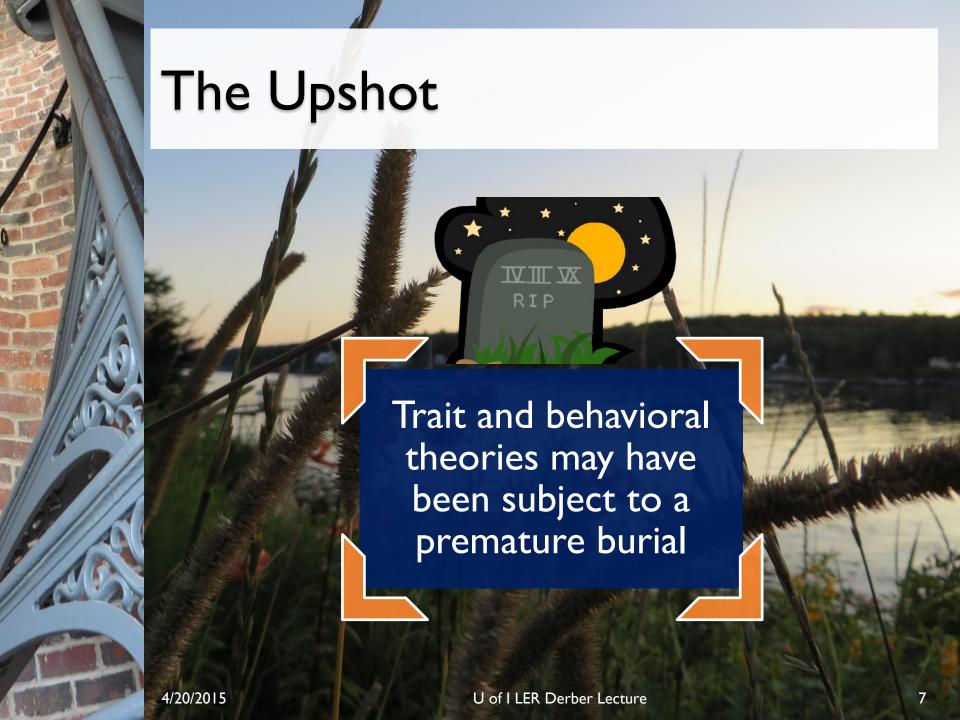
The cure to the purported problems with trait and behavioral theories was not any more valid than the theories they were meant to fix

The theories often confounded causes and effects

The reviews were not based on a systematic review of the evidence (by contemporary standards)

Fix

It!



Leader Traits



Big Five

Neuroticism

- Extraversion
- Agreeableness
- Conscientious -ness
- Openness



Self-Concept

Core selfevaluations

- Narcissism
- Hubris



- Self-awarenessAmbition
- Big Five aspects (Facets)



Source: Judge, Bono, Ilies, & Gerhardt (2002). Personality and leadership: A qualitative and quantitative review. **Journal of Applied Psychology, 87,** 675-780.

Trait	Leader Emergence k	Leader Emergence ho	Leadership Effectiveness k	Leadership Effectiveness $ ho$
Neuroticism	30	24*	18	22*
Extraversion	37	.33*	23	.24*
Openness	20	.24*	17	.24*
Agreeableness	23	.05	19	.21*
Conscientious ness	17	.33*	18	.16*

^{* 95%} confidence interval excluding zero. k=number of correlations; ρ =estimated mean corrected correlation.



Leader Behaviors



Ohio State/Michigan

- Consideration (Relationship)
- Initiating Structure (Task)





Transformational Leadership

- Charisma
- Vision

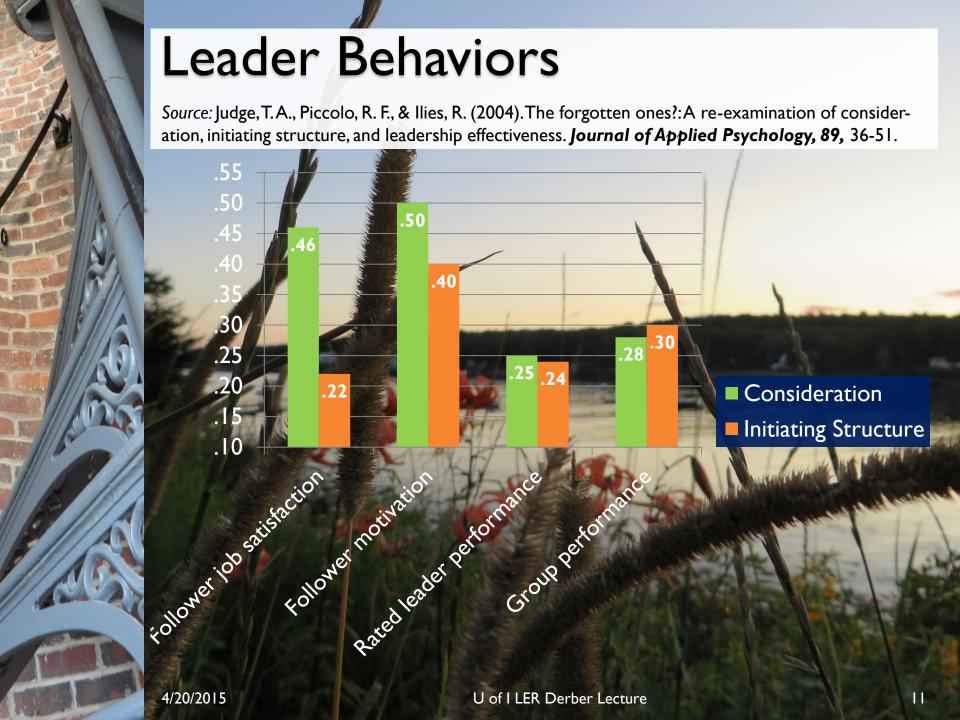


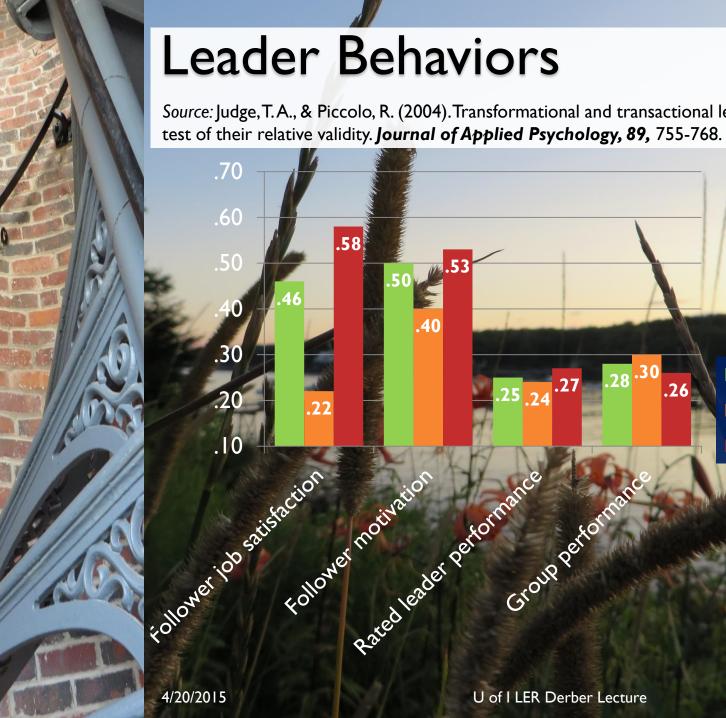


Ethical Leadership

- Ethical Leadership
- Authentic Leadership







Source: Judge, T.A., & Piccolo, R. (2004). Transformational and transactional leadership: A meta-analytic





Leader Behaviors

Ethical/Authentic Leadership

- The newest theories of leadership include ethical leadership and authentic leadership
- These theories have been subject to less research
 - Authentic leadership has proven controversial



So What Works?

- Leader traits and leader behaviors (consideration, initiating structure, and transformational leadership) predict various measures of leadership
- Very little research has tried to reconcile these approaches
- Recently, we sought to reconcile leader behaviors



Reconciling

Behavioral Approaches

	Follower Job Satisfaction	Leader Effectiveness				
Consideration	.23**	.15				
Initiating Structure	07	.2 I**				
Transformational	.28**	.20**				
R	.46**	.45**				
R ²	.21**	.20**				

Source: Piccolo, R. F., Duehr, E., Rowold, J., Heinitz, K., Bono, J. E., & Judge, T.A. (2012). The relative impact of complementary leader behaviors: Which matter most? **Leadership Quarterly, 23,** 567-581.



Attributional/Relational Approaches



Attributional Approaches

- Implicit Leadership Theory
- Romance of Leadership



Relational Approaches

• Leader – Member Exchange

I won't review now, but they raise issues I will pick up later



Where We Are

- We can predict leadership emergence and effectiveness using both leader traits and leader behaviors
 - Effects are moderate in magnitude
- What more is there is learn?
 - Plenty!
- I now turn to a discussion of some things we don't know
 - Most of my focus is on leader traits



Do Narrow Traits Matter?



- One important issue is whether, by focusing on broad traits, leader trait research has underpredicted leadership outcomes
- Recently (Judge, Rodell, Klinger, Simon, & Crawford, Journal of Applied Psychology, 2013), we found that trait facets are promising predictors of performance

We consider this study here because its results suggest relevance to leadership research

Do Narrow Traits Matter?

BROAD

NARROW

Ones & Viswesvaran (1996):

Broad measures have better predictive validities because "there is too much invalid variance in any...measure of specific, narrow personality dimensions"

"Narrow traits are better predictors of job performance than are the factors that subsume them" (Ashton, 1998)

"Using broad, complex measures, although convenient, runs the risk of masking meaningful and exploitable relations at more specific levels" (Tett et al., 2003)



Do Narrow Traits Matter?

Faceted approaches may produce higher criterion-related validity than broad-trait-only approaches



Psychometrically, if facets of a multidimensional construct are positively correlated and differentially predict a criterion, then a composite of those facets will always produce higher criterion-related validity than the average of the facets



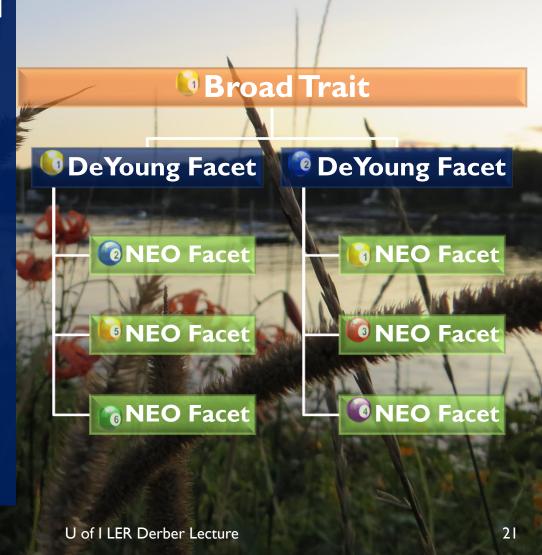
Broad-only measures are more likely to be constructdeficient in that they are likely to sample a narrower content domain than multidimensional measures

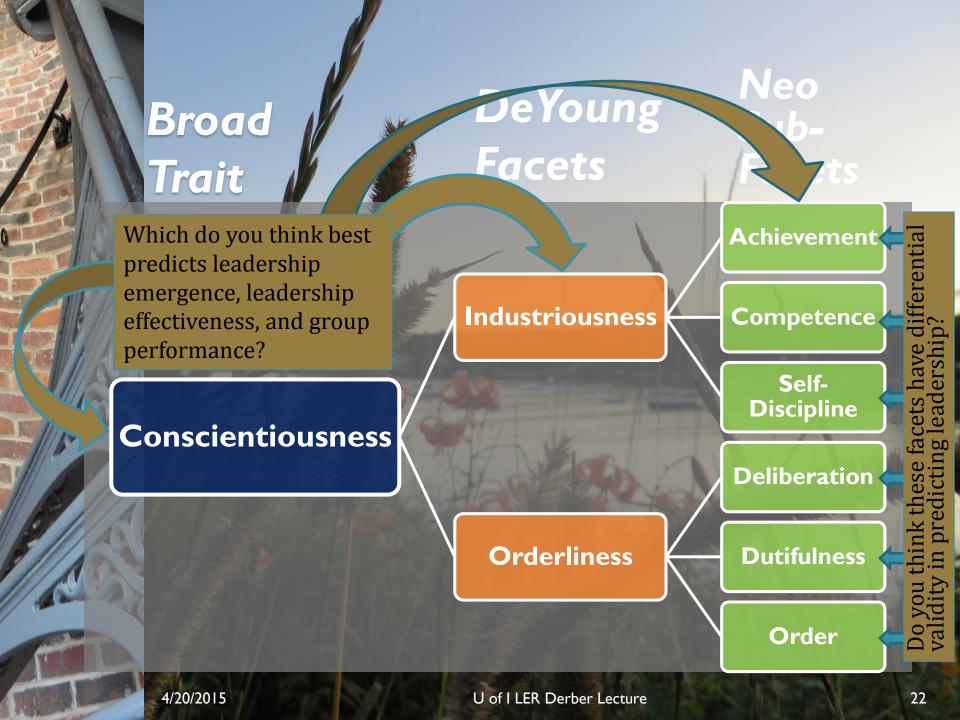
Important given the varying contexts over which organizational behavior occurs

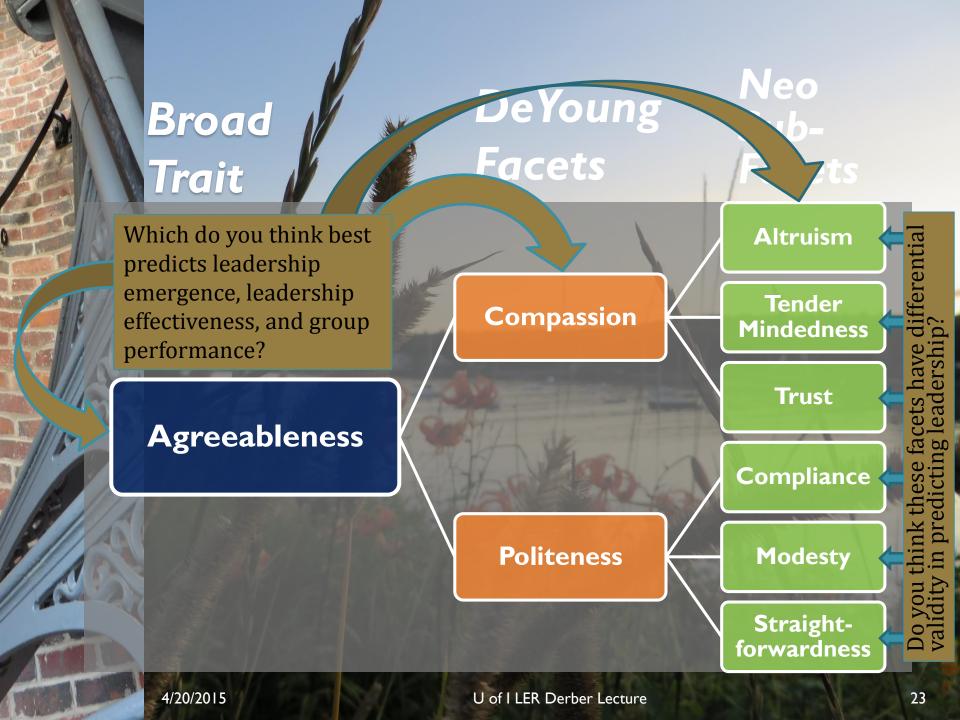


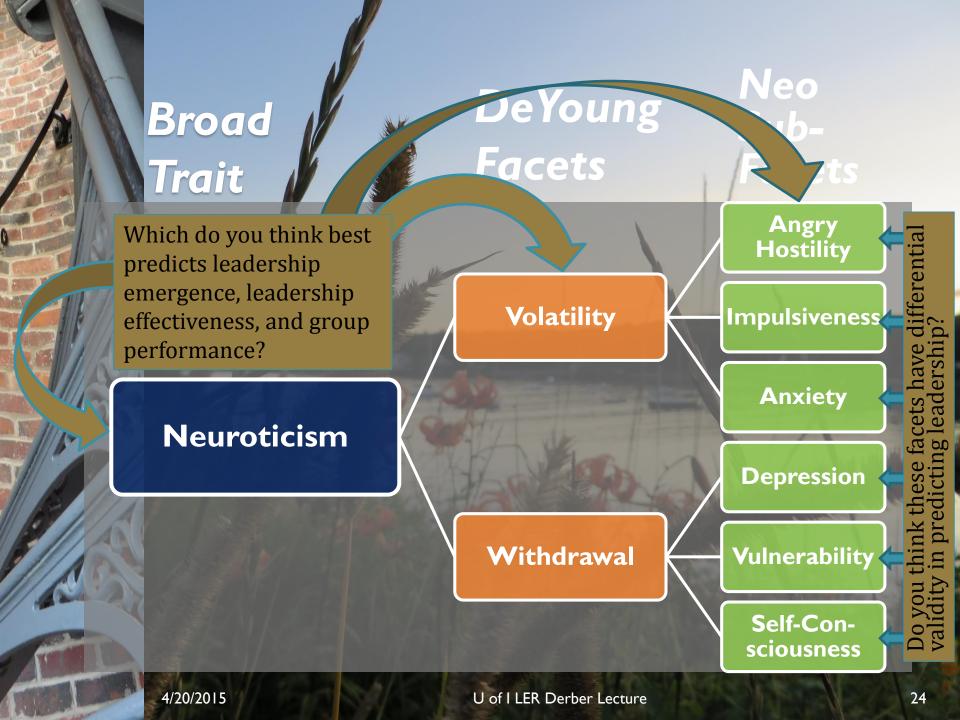
- Each trait organized by 3 hierarchical levels
 - Single broad Big Five trait
 - Two (DeYoung) facets
 - Six (NEO) subfacets
- Meta-analyzed

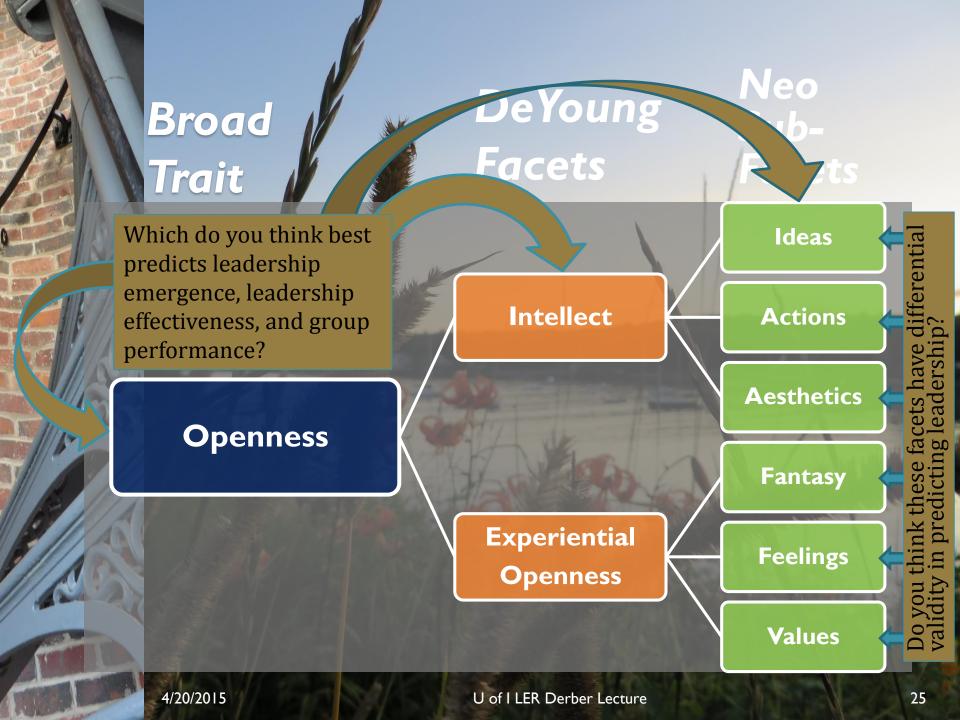
 I,176 correlations
 from 410 samples
 (N=406,029)

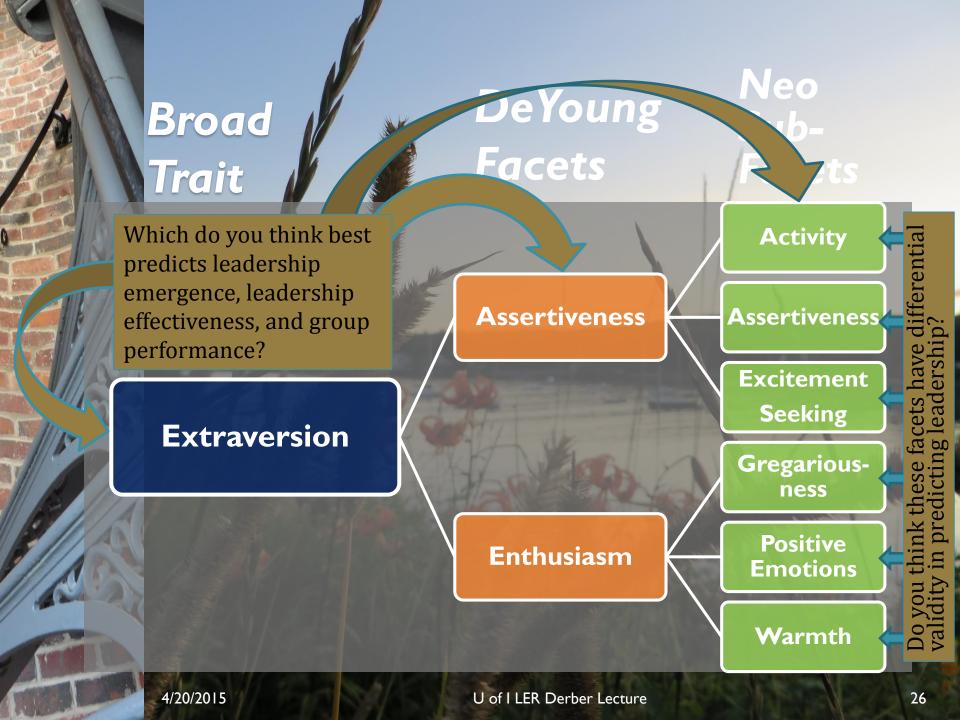












		6 NEO Facets			Young Facets		Single Broad Tra	
	R	Adj. R ²		R	Adj. R ²		R	Adj. R ²
Overall Job Performance								
Conscientiousness	.261**	.068**	←	.265**	.070**	-	.259**	.067*
Agreeableness	.194**	.037**		.166**	.028**	No.	.165**	.027*
Neuroticism	.228**	.052**	—	.121**	.015**		.098**	.010*
Openness	.300**	.090**	←	.100**	.010**		.080**	.006*
Extraversion	.406**	.165**	←	.205**	.042**	<u> </u>	.199**	.040*

	6 NEO Facets			2 DeYoung et al. Facets			Single Broad Train		
	R	Adj. R ²		R	Adj. R ²		R	Adj R ²	
Task Performance									
Conscientiousness	.242**	.058**	←	.253**	.064**	<u> </u>	.249**	.062	
Agreeableness	.244**	.059**	←	.110**	.012**	NAME OF THE PERSON OF THE PERS	.099**	.010	
Neuroticism	.253**	.064**	←	.095**	.009**		.083**	.007	
Openness	.177**	.031**	←	.126**	.016**		.120**	.014	
Extraversion	.183**	.033**	←	.143**	.020**		.124**	.015	

	6 NEO Facets		2 DeYoung et al. Facets		_		ngle d Trait	
	R	Adj. R ²		R	Adj. R ²	\	R	Adj. R ²
Contextual Performance								
Conscientiousness	.326**	.106**	←	.321**	.103**	-	.317**	.101**
Agreeableness	.330**	.109**	←	.178**	.032**		.175**	.031**
Neuroticism	.304**	.093**	←	.210**	.044**		.162**	.026**
Openness	.183**	.033**		.065**	.004**		.030*	.001*
Extraversion	.491**	.241**	-	.232**	.054**		.218**	.048**



Do Narrow Traits Matter?

Direct

Most common way to assess broad traits is with a direct approach, with single omnibus scale

 Broad traits assessed with omnibus measures obscure too many facet-level differences to provide optimal estimates of the criterion-related validity of personality, assessed with a single omnibus scale

Faceted

A hierarchical, faceted approach is superior if criterion-related validity is the standard

• To maximize construct correspondence (Fishbein & Ajzen, 1974), we would use facets of personality when predicting narrower behaviors—though our results showed facets were superior even in predicting broad criteria



Do Narrow Traits Matter?

- Has the leader trait perspective placed an overreliance on broad trait measures?
- Next step (and let me know if you're interested in collaborating!)

Metaanalytically link lowerorder traits to specific aspects of leadership



LEADER

Leader emergence

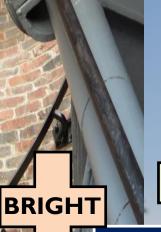
Leadership effectiveness





Trait Paradoxes

- One of the reasons narrow traits are superior – unlike other domains of research – is that traits are paradoxical
 - Effects are often contradictory
 - Very few traits have uniformly positive or negative effects across criteria
 - Therefore relating broad trait measures to broad criteria may under-predict
- Examples



Trait Paradoxes

BRIGHT

IMPLICATIONS

DARK

Socially desirable trait has positive implications for leaders and stakeholders

Socially desirable trait has negative implications for leaders and stakeholders

Socially undesirable trait has positive implications for leaders and stakeholders

Socially undesirable trait has negative implications for leaders and stakeholders

DARK



Trait Paradoxes



Examine how a bright-side trait can have negative effects on leadership

Example: Are there situations in which extraverted leaders, via social dominance, stress/overwhelm/agitate followers?



Examine how a darkside trait can have positive effects on leadership

Example: Are narcissists more likely to emerge as leaders in groups, and are there situations in which this is important?



One way to do this is meta-analytically, guided by theory



Situational Moderation

- Moderator variables have figured prominently in leadership research since the Ohio State/Michigan studies
- Examples:
 - LPC Theory, Situational Leadership Theory, Path-Goal Theory
- Three problems
 - Theories not particularly well supported
 - Not focused on trait theories
 - Disconnected from theories of situation



Situational Moderation

- Situations are not easily classified, but one means is by levels of analysis
 - Job
 - Organizational culture/climate
 - Social relationships
 - Occupation
 - Nature of work
 - To show how this might operate, I review the results of a study we completed on personality – performance relations



Situational Moderation

Personality matters more when...

Person

Personality Traits

the individual is situated in a context which allows and demands behaviors that are consistent with the trait

Behavior
Job
Performance

Situation
Job
Context

U of I LER Derber Lecture

Personality Situation Behavior Situation Strength Impact of decisions Consequences of error **OUTCOME** Responsibility for others Unstructured work **PROCESS** Freedom to make decisions **Big Five Traits** Variety Conscientiousness General situation moderates all traits Emotional stability Job **Performance** Extraversion Specific situation moderates some traits Agreeableness **Press/Activation** Openness Independence in completing work Attention to detail requirement Social skills requirement Source: Judge & Zapata, Level of competition requirement in press, Academy of •Innovation/creativity requirement **Management Journal** Dealing with angry/UP people U of I LER Derber Lecture 4/20/2015 38



high=strong high=weak

> Source: Judge & Zapata, in press, Academy of Management Journal

Known Unknowns: III

Situational Moderation

	Conscientious ness r_{xy} (β)	Emotional Stability r _{xy} (β)
Situation strength composite: Outcomes	.022	004
Situation strength composite: Process	.295*	.286*
Independence in completing work	.233**	.062
Attention to detail requirement	193 *	.083
Social skills requirement	146	.234**
Level of competition requirement	071	018
Innovation/creativity requirement	.218*	139
Dealing with unpleasant or angry people	.249*	.220*
R	.449**	.50 l**
R ²	.201**	.25 I**



high=strong high=weak

> Source: Judge & Zapata, in press, Academy of Management Journal

Known Unknowns: III

Situational Moderation

	Extraversion r _{xy} (β)	Agreeable- ness r _{xy} (β)
Situation strength composite: Outcomes	.021	324*
Situation strength composite: Process	.345**	.424**
Independence in completing work	177	.305*
Attention to detail requirement	342**	.411*
Social skills requirement	.243*	.259*
Level of competition requirement	.252**	400*
Innovation/creativity requirement	014	.099
Dealing with unpleasant or angry people	.314**	.251*
R	.709**	.547**
R ²	.502**	.299**



Situational Moderation

- In the same way that the context moderates the effect of personality on performance, it may operate similarly with leadership
- Examples
 - Leader extraversion more likely to be effective for competitive or social jobs
 - Sales, lawyers, flight attendant
 - Leader agreeableness more likely to be effective for stressful or demanding jobs
 - Critical care workers, social workers



Trait "Fixedness"



Craig is more extraverted than Jordan



Lisa is more visionary than Craig



Lisa is more considerate than Jordan

- What if this process is as dynamic as it is static?
 - Put another way, what if there is as much within-leader variation in behavior as between-leader variation?

Hold that thought



- Variation in personality across situations or over time treated as measurement error (Mischel & Shoda, 1995)
- However, consistent with the density distributions approach to personality (Fleeson, 2001; Fleeson & Jolley, 2006):
 - Experiences at work can predict deviations from central tendencies in traits
 - There are trait-relevant individual differences in responsiveness to work experiences



Trait "Fixedness"

- We have begun to study the effect of work on personality variation over short time periods (micro temporal effects)
- Funder: Interactionism (persons, situations, and behaviors) can take other forms beyond P x S
 - Lewin: **B=f(P,S)** Schneider: **S=f(P,B)**

Our study: P=f(B,S)

 Within-individual variation in work context will cause within-individual variation in personality

& Kelley

Known Unknowns: IV

Trait "Fixedness"

Work Context

Personality

Prosocial behavior at work (PSB)

Conscientiousness
Agreeableness
Extraversion

Openness

Interpersonal conflict (ICO)

Agreeableness Extraversion

Neuroticism

Goal-setting motivation (GSM)

Conscientiousness

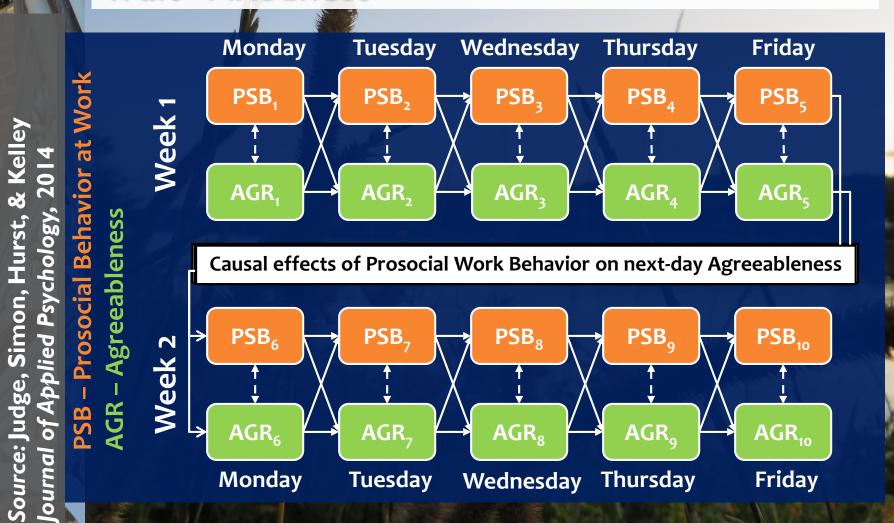
Intrinsic motivation (IMO)

Conscientiousness Openness



- Experience-Sampling Methodology (ESM)
 - Participants completed a survey each day they attended work. Surveys were available only from 3:00PM to 11:00PM
- Daily surveys contained measures of personality and work
- Usable data were available for 122 participants (81.3%)
 - Out of possible 1,220 observations (122 × 10), 1,081 were provided (86.3%)

- Dataset constructed: Personality and work variables predicted next day levels
- Specification included (estimated links):
 - Autoregressive effects (day-to-day)
 - Day effects (variables assessed on same day)
- General trait factor also was created to control for trait (between person) effects
- Within-week equality constraints
 - $\blacksquare T \rightarrow W$ assumed same as $W \rightarrow TH$



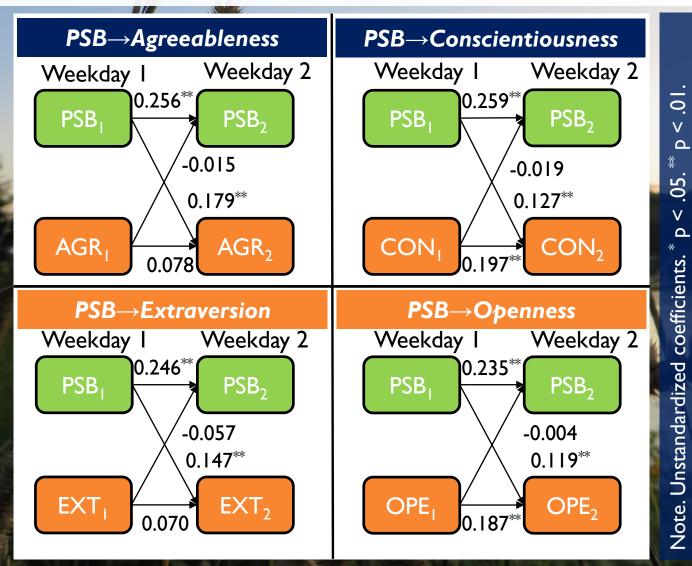


	Variance decomposition		
	Between	Within	
Personality traits		V	
xtraversion	49.38%	50.62%	
Agreeableness	53.47%	46.53%	
Conscientiousness	44.06%	55.94%	
Neuroticism	53.67%	46.33%	
Openness	61.97%	38.03%	
verage personality trait	52.51%	47.49%	
Vork variables	ESOVA-N	Valence Control	
nterpersonal conflict at work (ICO)	42.42%	57.58%	
rosocial behavior at work (PSB)	51.90%	48.10%	
Goal-setting motivation (GSM)	45.91%	54.09%	
ntrinsic work motivation (IMO)	49.39%	50.61%	
Average work variable	47.41%	52.60%	

Simon, Hurst, & Kelley 2014 Journal of Applied Psychology, Judge, Source:

Known Unknowns: IV

Trait "Fixedness"



V **a**

V

- Personality has much within-individual variation
 - This is not transient error; it was predicted by work context
 - More work \rightarrow personality (9/11) than personality \rightarrow work effects (4/11) were significant
 - Within-week effects much stronger than crossweek effects
- Implications for leadership research?



Trait "Fixedness"



Craig is more extraverted than Jordan



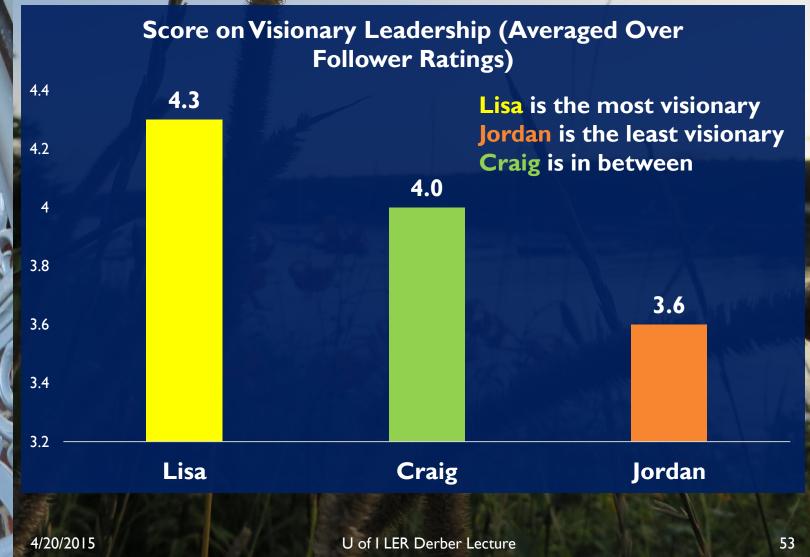
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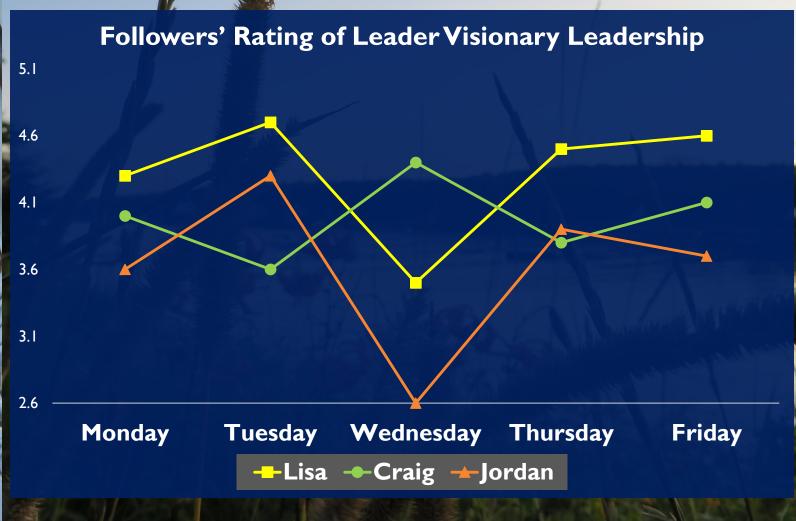
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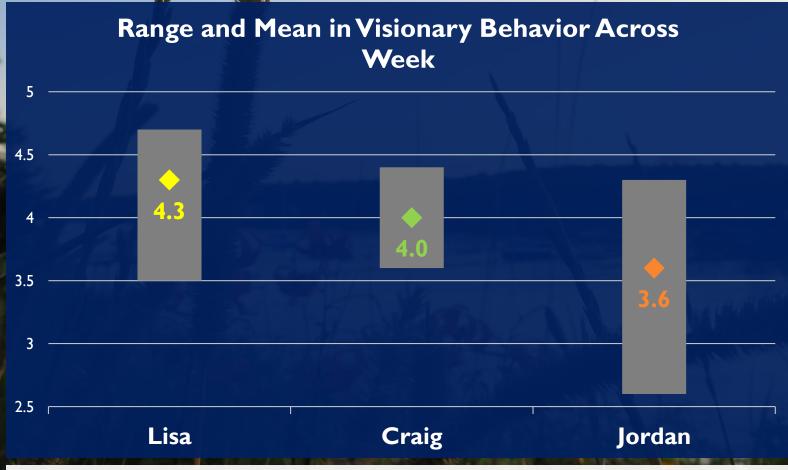








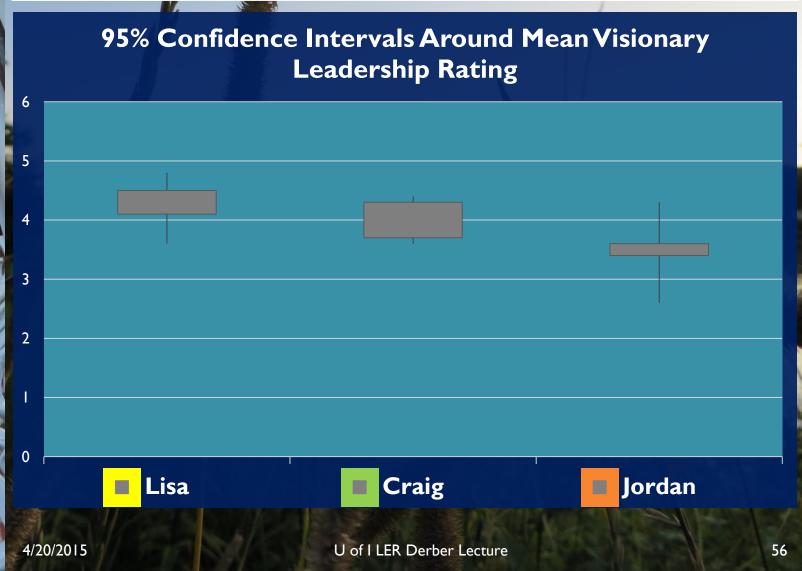
Trait "Fixedness"



This is absolute range:

What if we constructed 95% CI's from two weeks of data?





Trait "Fixedness"

What do these results mean for leadership research?

As much within- as between-individual variability

Leaders — and followers — are persons too!

Need to revisit core assumptions

Ideas for future studies of leadership!

Trait "Fixedness"



To what extent is daily variation in leader traits related to daily variation in leader behaviors?

To what extent is daily variation in leader behaviors related to daily variation in LMX?

To what extent do leader traits or characteristics moderate the above effects?

Again, let me know if any of these topics interest you!

Conclusions

We can predict leadership outcomes, but we've probably reached a "methodological stalemate"

To predict further, need to better incorporate context & within-leader variability into designs

Hopefully this talk has provided some tangible ideas and methods about how this can be done

