Diversity and Productivity

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Diversity Defined

- [©] The condition of having or being composed of different elements
- ³ The fact of many different types of things or people being included in something
- ⁶ Different people different social and ethnic backgrounds, cultures, genders, sexual orientations, age, education
 - → Different perspectives
 - → Different ideas
 - **→** Impact

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Why Collaborate?



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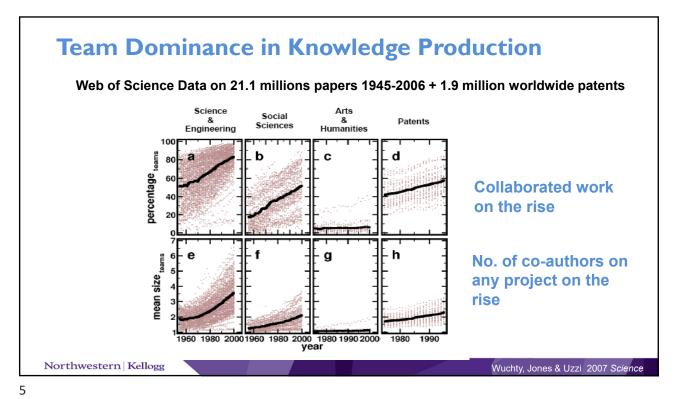
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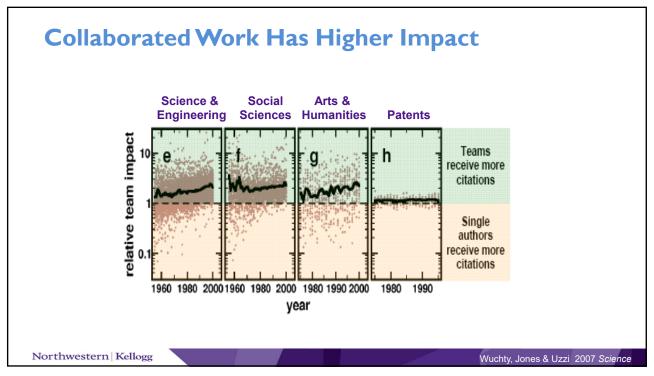
The Increasing Dominance of Teams in Production of Knowledge Wuchty, Jones & Uzzi, 2007 Science

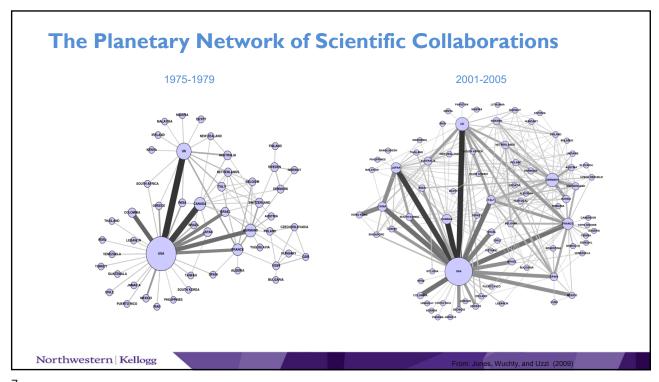
Teams typically produce <u>more frequently cited research</u> than individuals do, and this advantage has been increasing over time.

Teams now produce exceptionally high-impact research, even where that distinction was once the domain of solo authors.

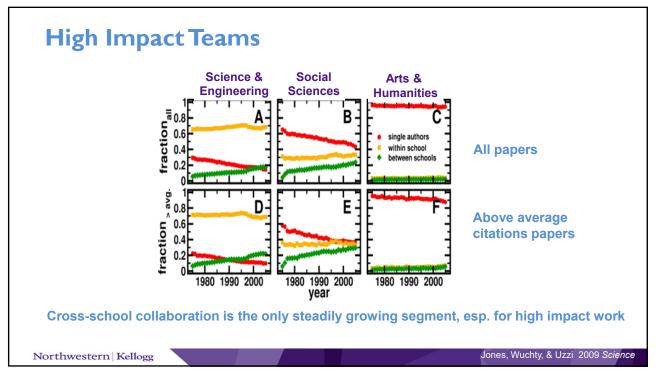
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I know there is strength in the differences between us. I know there is comfort where we overlap.

~Ani DiFranco, American Singer/Song-Writer



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Similarity

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Birds of a Feather



Birds of a feather flock together [物以類聚] ~ Proverb

People love those who are like themselves ~ Aristotle

Similarity begets friendship ~ Plato

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Homophily ("love of the same")



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(Bott 1928; Wellman 1929; Hubbard 1929)

Similarity attracts

- √ Aesthetically pleasing
- ✓ Reduced uncertainty
- √ Easy communication
- √ Social cohesiveness

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Pet & Owner Look-alike









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Difference

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the quality that makes one person or thing unlike another





a point or way in which people or things are not the same



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something that people do not agree about – a disagreement, quarrel, dispute or controversy



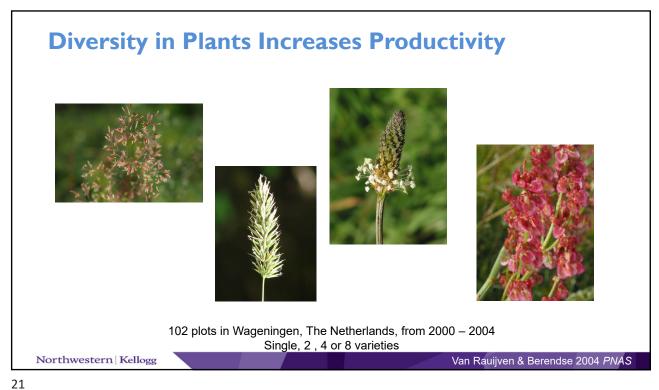
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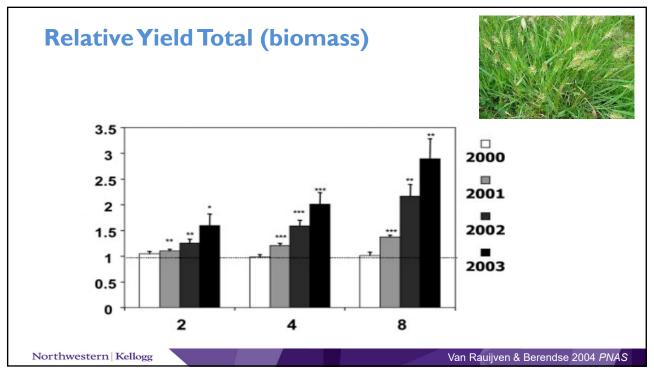


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Some Empirical Evidence

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Diversity in Workforce in Belgium

Data:

- 3 2431 firms over 2+ consecutive years
- в 57% manufacturing
 - 12% wholesale/retail trade, auto repair, personal/HH goods
 - 10% construction
 - 11% real estate
 - 10% other



g 27% women, 45% white-collar, 61% < 10 years tenure; 2% part-time

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Diversity on Productivity

- Age diversity (-1.3%)
- + Education diversity (+2.7%)
- Gender diversity for traditional industries (-3% to -5%)
- + Gender diversity for information/communication/technology industries (+2.5% to 6%)
- **-** Gender diversity (-1.7%) in full sample

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Garnero et al. 2014 Industrial Relations

Diversity in Fashion Styling Industry in Taiwan

Store Performance

Store size	.02
Age of store	15
HPWS	.57***
Age diversity	23*
Professional age diversity	.22*
Expertise diversity	01
HPWS x Age diversity	.31*
HPWS x professional age diversity	02
HPWS x expertise diversity	.11
R ²	.45



*** p < .001, *p < .05

HPWS: High performance work system

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Lu et al. 2015 Journal of Business Research

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Diversity in Fashion Styling Industry in Taiwan

Store Performance

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Store size

HPWS: High performance work system

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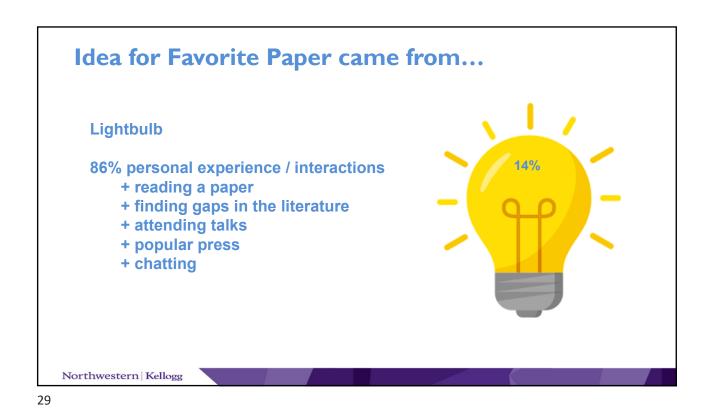
Is similarity or difference favored in academia?

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A nonrandom sample survey of my peers

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Free association task - BLUE

GREEN

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Identical Co-authors Provide Zero Complementarity



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Yin-Yang Complementarity

Growth Focus

Seizes opportunities Multi-pronged approach

Quick wins

Abstract thinking

See the forest Ambitious goal

Analytic thinking

Careful weighing pros & cons

Safety Focus

Vigilant executions Stay focused on the goal Programmatic progress

Concrete thinking

Cultivate the trees
Cautious implementation

Holistic thinking

Context matters

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Pros and Cons of Diverse Teams

- Social integration & cohesiveness
- + Creativity of ideas
- + Innovativeness of approach
- Magnitude of Impact

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If you think you are too small to make a difference, try sleeping in a closed room with a mosquito.

~ African Proverb



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