

Organizational,
Social,
Psychological, &
Statistical Insights

Professor Christopher R. Dishop

Carnegie Mellon University
Tepper School of Business

#### The purpose of today's lecture:

Pick any of the following insights for your second paper assignment, "research proposal," and describe how it might operate in a negotiation context.

Feel free to...

Take the perspective of the buyer or seller, or of a third-party balcony observer...or a mediator...or an agent

The other purpose of today's lecture:

Be able to say more than "people are biased" as you navigate the world. Develop some knowledge of human tendencies to identify, react to, and explain to others some of the basics of human behavior (especially in a negotiation context).

Some things we've learned about how people in organizations think and behave.

# Peter Principle

• "Workers are promoted to their level of incompetence."



# Peter Principle

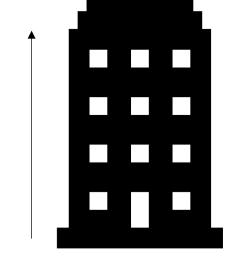
• "Workers are promoted to their level of incompetence."

When a person excels at the job, she gets promoted. And she keeps getting promoted until she attains a job that she's not very good at. Then the promotions stop. There she stays, interminably.

Manager incompetence

Manager dissatisfaction

 Moreover, promotions are often based on prior success rather than future potential



Skills required: X, Y, Z

Skills required: A, B, C



# Babble Hypothesis

• What predicts whether someone is perceived as a leader?

Not their IQ. Not their experience. Time spent speaking.









MacLaren, N. G., Yammarino, F. J., Dionne, S. D., Sayama, H., Mumford, M. D., Connelly, S., ... & Ruark, G. A. (2020). Testing the babble hypothesis: Speaking time predicts leader emergence in small groups. *The Leadership Quarterly*, *31*(5), 101409.



### Escalation of Commitment

• Commitment to losing courses of action even in the face of negative news

Projects are often allowed to continue for too long before appropriate action is taken to discontinue the efforts

"I've already invested so much effort/time/money..."

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#### "Big Dig" in Boston



#### George Ball writing to President Lyndon Johnson – Vietnam War:

"The decision you face now is crucial. Once large numbers of U.S. troops are committed to direct combat, they will begin to take heavy casualties in a war they are ill equipped to fight. Once we suffer large casualties, we will have started a well-nigh irreversible process. Our involvement will be so great that we cannot — without national humiliation — stop short of achieving our complete objectives. Of the two possibilities, I think humiliation would be more likely than the achievement of our objectives — even after we have paid terrible costs."

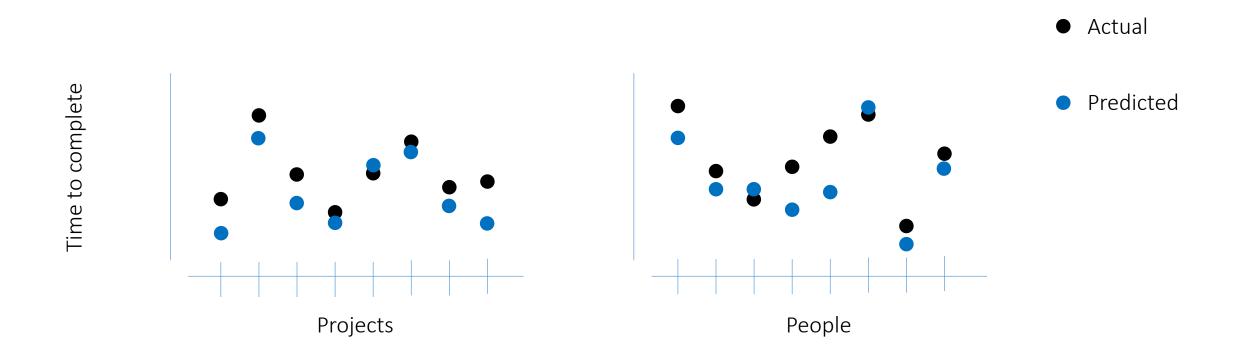
Majority of college grads (~80%) with debt feel obligated to stay within field consistent with their degree until debt is gone





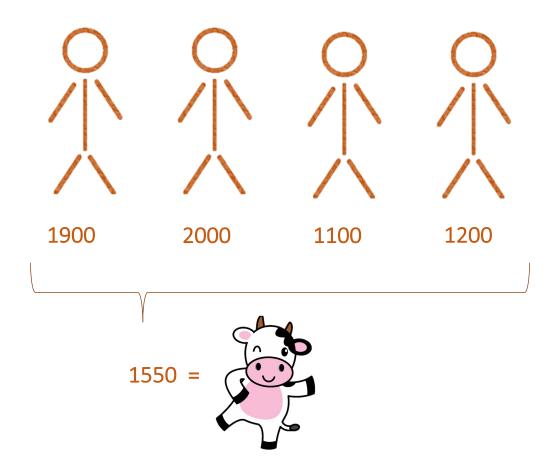
# Planning Fallacy

• People tend to under-estimate the time it takes to complete projects



Buehler, R., Griffin, D., & Peetz, J. (2010). The planning fallacy: Cognitive, motivational, and social origins. In Advances in experimental social psychology (Vol. 43, pp. 1-62). Academic Press.

# (Narrow) Wisdom of Crowds





#### Process-Loss in Teams

- One of the fundamental challenges of teams: coordinating multiple members to work together effectively while minimizing "process losses"
- Adding more heads often yields diminishing returns because of greater coordination requirements or decreased member motivation, especially for complex tasks or those with strong interdependence.
- Although having more team members increases the resources available to accomplish a group's goals (e.g., time, energy, expertise), it may also lead to greater process losses due to the need to coordinate the work of more people.
- In the limit, coordination costs can overwhelm the benefits of added personnel.
- When teams are asked to perform, their work can be lower than what individuals can achieve on their own due to social and coordination costs.
  - Difference between what individuals generate on own and what team produces = process loss

#### Process-Loss in Teams

#### Brainstorming as a case:

Most naively assume you should put everyone in a room together to generate ideas.

What happens: social loafing, shy don't contribute, dominate takes over.

The social burdens of interacting with others (and the coordination demands of a team) reduce the benefit of bringing people together (i.e., process loss).

Better: have people generate ideas on their own. Then, compile those ideas and integrate.

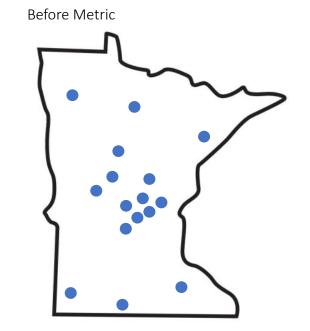


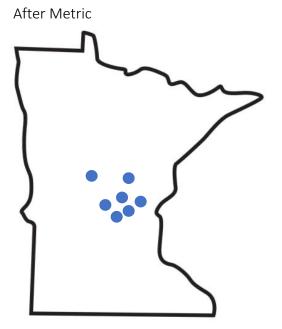
• "When a measure becomes a target, it ceases to be a good measure"

The more any quantitative indicator is used for social-decision making, the more subject it will be to corruption pressures and the more apt it will be to distort the social processes it is intended to monitor.



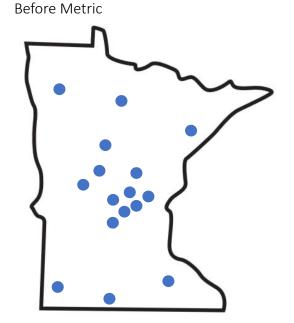
• Case: Allina Health





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"This is going to sound terrible," one chaplain said, "but every now and again I would do what I thought of as spiritual drive-bys to rack up points." If a patient was sleeping, "I could just talk to the nurse and say, 'Are there any concerns?' without speaking with the patient. It counted as a visit, and I therefore acquired a point."



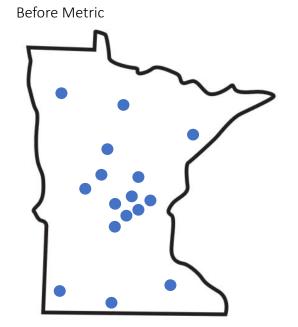


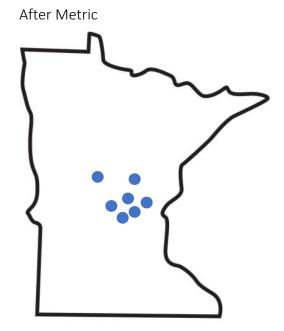


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"The original characteristics of the job that attracted me to this work now impeded points."





Quit

#### Goal-Setting & Performance Management

#### What we know...

Do not set goals (or do so with caution) for things people already find intrinsically motivating

In organizations, goals are almost always optimized for short-term success at the risk of long-term failure

Challenging and specific "performance" goals (i.e., score this many points) should be used when the effort-performance link is clear

Clear, specific, and challenging goals tend to generate better performance than abstract, "try your best" goals

#### Goal-Setting & Performance Management

How different fields think about facilitating effort...

Organizational Behavior: VIE theory

- What predicts effort/action?
  - Can I achieve the outcome? (do I have the resources, capability, and a clear path to success?)
  - Do I value the outcome?
  - Yes = effort

#### **Economics: Tournament theory**

- What predicts effort/action?
  - Are there many competitors?
  - Are there many routes to success? (e.g., do I expect to be successful, if I strive?)
  - Yes = effort

#### **Exploration & Exploitation**

• Fundamental tension in life and business: do you explore to find new and better resources (risk of finding nothing) or exploit known alternatives at the cost of never acquiring superior but distant options?

In resource rich environments, people tend to explore

In resource scarce environments, people tend to exploit

Do you continue to exploit familiar, known resources at the risk of missing better resources in "unexplored" areas, or do you explore unfamiliar terrain for new resources at the risk of not finding anything? (think investing, dating, food gathering, career planning, algorithms for search engines, hiring an employee, environmental policy, etc...).



Satisfied with work

Career advancement

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Autonomy and control over job
Uniquely valuable
(Lack of terrible) coworkers
Minimum threshold of pay relative to cost of living
Feedback about what you produce

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Feedback about what you produce

"Find your passion" is often terrible advice Instead:

- What do other people hate doing that I don't mind doing?
- Uniquely valuable
- Once established, negotiate for autonomy

Career advancement



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Career advancement

Quality of network
Political skill



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Big fish small pond

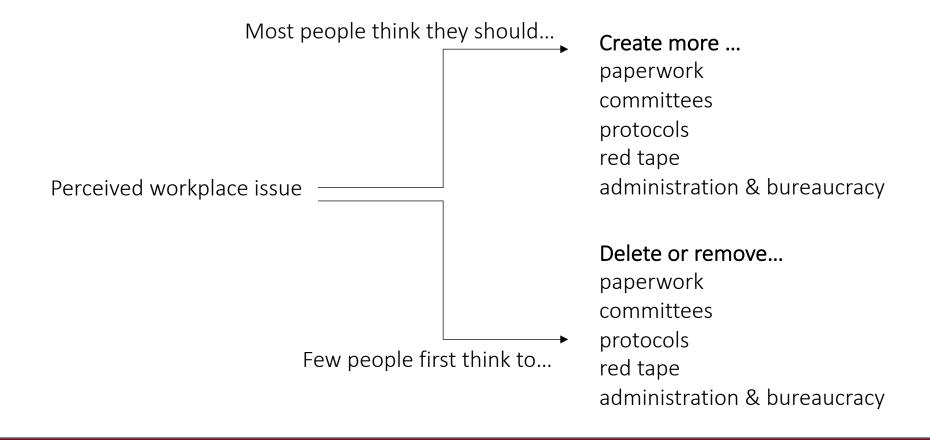
Career advancement

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# Action Tendency

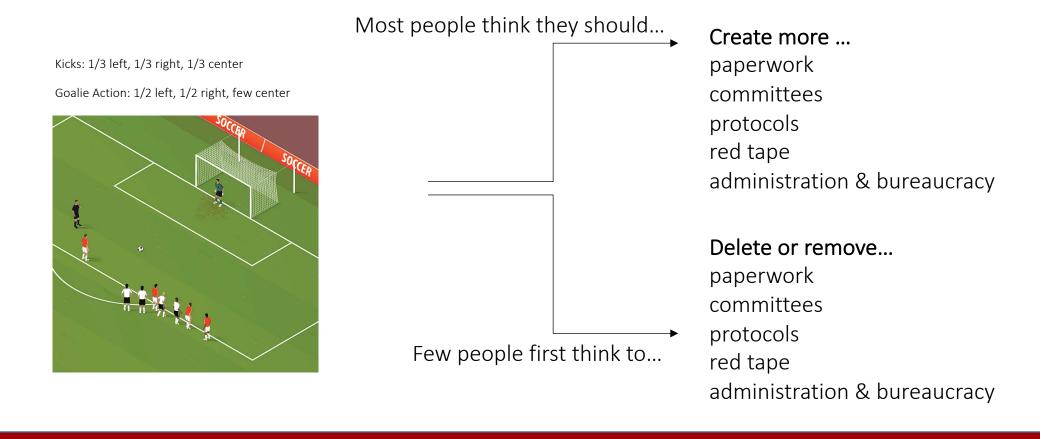
Prone to intervention/action if we perceive a problem





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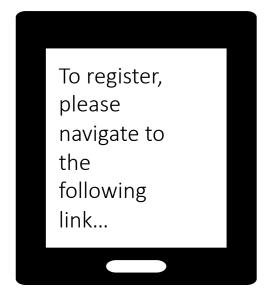
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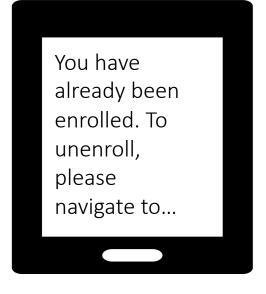
#### Downstream Behavior

Behavior/action via removing constraints rather than creating demands

2017 Department of Education – Parent Sign-Up







## Confirmation Bias

Tendency to...

seek out confirming rather than disconfirming evidence downplay disconfirming evidence once confronted with it

Guess the rule producing this sequence: 2, 4, 6, ...



#### Fundamental Attribution Error

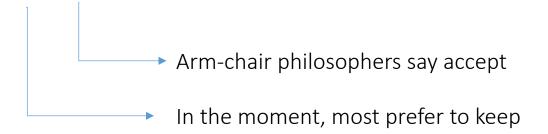
• Tendency for observers to underestimate situational (external) influences and overestimate dispositional (internal) influences on others' behavior

If someone is late, we are likely to consider his/her personality flaws and not his/her situation constraints

#### **Endowment Effect**

We consider things to be more valuable when we own them

Salesman wanted 25k for a car. I got it for 20k. The next day, my neighbor walks over and offers 26k on the spot.





## Hyperbolic Discounting

• Prefer immediate (even smaller) rewards over future (but larger) rewards

## Marginal Thinking Errors

Discount the demands required to achieve additional units of an outcome

"Our efforts reduced unethical research practices from 30% to 3%. We won't stop until we reach 0%."

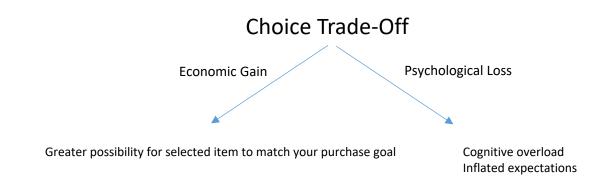
"NFL safety measures have cut concussions in half over the last five years. We would like to cut these numbers in half again over the next five years."



#### Paradox of Choice & Decision-Fatigue

More choices =

More stress
Less satisfied with current selection
More information to deal with
Discomfort about which choice to make
Less likely to make an actual purchase



...often fuels rumination. People wonder, "did I make the right choice? Are better options out there?"

More decisions over the course of the day =

More fatigue Reduced cognitive capacity



## Team (Scaling) Fallacies

 People tend to over-estimate the benefits of large, diverse teams and under-estimate the time/resources lost due to coordination demands

Brook's Law: adding people to a late-stage software project makes it later

Diverse teams can sometimes be more creative, but small homogenous groups are often more efficient

Narrow problem specification: people view problems and solutions only in ways consistent with their domain of expertise. What is the crux of the problem? Psychologists see misguided beliefs, sociologists see status conflicts, engineers see improper tools, surgeons recommend surgery whereas nutritionists recommend diet



## Prospect Theory (Risk Aversion)

People tend to ...

Prefer guaranteed rewards over uncertain rewards of greater value

Option A \$100 (100%)

Option B \$250 (50%), \$0 (50%)



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Risk-seek in gain situations but risk-avoid in loss situations

**Gain Situation** 

Start with \$0. Choose...

A: Flip a coin: heads = \$100, tails = \$0

B: \$50 guaranteed

**Loss Situation** 

Start with \$100. Choose...

A: lose \$50 guaranteed

B: Flip a coin: heads = lose \$100, tails = lose \$0



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Gain Situation

Start with \$0. Choose...

A: Flip a coin: heads = \$100, tails = \$0

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Feel greater intensity from the pain of losing relative to the pleasure of winning

Loss Situation

Start with \$100. Choose...

A: lose \$50 guaranteed

B: Flip a coin: heads = lose \$100, tails = lose \$0



## Irrelevant Third Option (Decoy)

 Decision-makers sometimes change their preferences by the mere presence of an irrelevant option

Flight A B

**Cost** \$600 \$530

Layover Time 1H in Dallas 2.5H in Dallas



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Flight	Α	В	С
Cost	\$600	\$530	\$675
Lavover Time	1H in Dallas	2.5H in Dallas	1H in Dallas

Now, most pick A



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Flight	Α	В	С
Cost	\$600	\$530	\$530
Layover Time	1H in Dallas	2.5H in Dallas	3.5H in Dallas

Now, most pick B

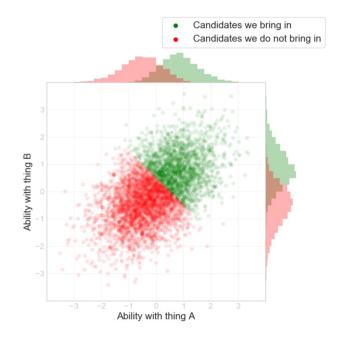


• Missing the broader trend because of limited encounters (with people, places, or time)



Missing the broader trend because of limited encounters (with people, places, or time)

"I thought the candidates for this organization were supposed to be high quality"

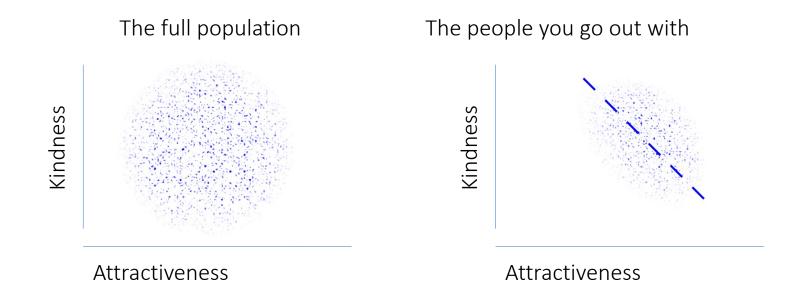


We're going to hire some people, so we look at a bunch of resumes and decide who's going to make it to the next stage. The best candidates are the ones that are great at both A and B, and we'll obviously bring them in.

The candidates we bring in exhibit a *negative* correlation between thing A and B, despite those being independent or even positively related.

Missing the broader trend because of limited encounters (with people, places, or time)

"All the hot people I date are jerks"



Missing the broader trend because of limited encounters (with people, places, or time)

Average Crime in the U.S.





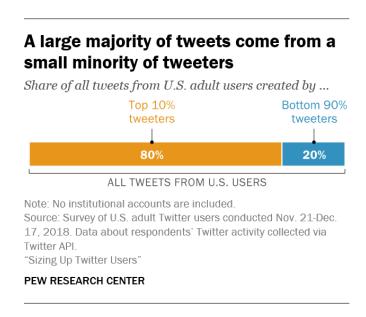
Missing the broader trend because of limited encounters (with people, places, or time)

Twitter: only 1 in 5 people in the U.S. have and use a Twitter account. Twitter users vastly over-estimate the number of people in the U.S. who also use Twitter

## Pareto Principle (80/20)

Many outcomes are distributed according to a power law

A minority of causes, inputs, or efforts lead to a majority of results, outputs, or rewards



80% of retail complaints come from 20% of the customers 80% of world's internet traffic goes to 20% of websites 20% of someone's wardrobe is worn 80% of the time 20% of criminals commit 80% of crime

### Peak-End Rule & Overblown Implications

#### Peak-End Rule

When retrospectively evaluating an experience (e.g., the previous workday), people rely heavily on moments with peak intensity and the final episode.

#### Overblown Implications Effect

People over-estimate how much one-off events signal to others their true competency. We think people judge us by a single success or failure much more than they actually do.