

## **Evidence-Based Practices:**

Improving Individual and Organizational Decision-Making

### Sam Nelson

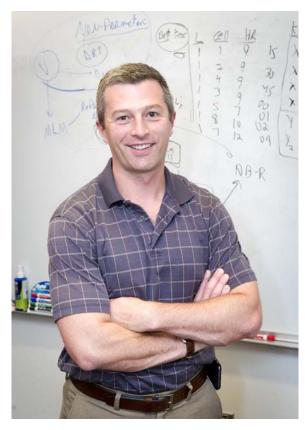
Illinois Student Assistance Commission

**Shawn Bergman** 

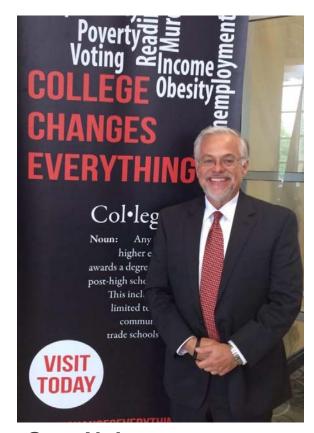
Vela Institute

@sm\_bergman

## Who are these people?



Shawn Bergman Vela Institute



Sam Nelson
Illinois Student
Assistance Commission

@sm\_bergman

## **Vela's Mission**





## **What To Expect**



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## **Decision-Making**

- Gathering information
- Evaluating information and options
- Selecting an option





Major decisions in firms have a failure rate higher than 50%.

"Intelligence and experience, then, may be necessary but do not appear to be sufficient for effective decision-making."

- Dalal & Bolunmez (2016)



## **Bounded Rationality**

- Capacity of our brains
- Available information
- Time



## **Cognitive Bias Codex** What To Too Much Remember? Information We Need To Not Enough **Act Fast** Meaning

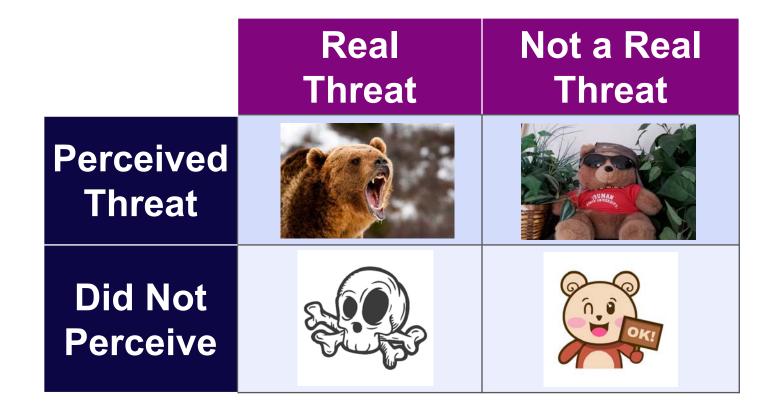
Simon, H. A. (1982). *Models of bounded rationality.* Cambridge, MA: MIT Press. Source: https://www.designhacks.co/products/cognitive-bias-codex-poster

## Why We Rush Through Decision-Making





## Why We Rush Through Decision-Making



## There is a Better Way

#### **SCIENTIFIC LITERATURE**

What research has been published to support or guide the development of the study?

## ORGANIZATIONAL INFORMATION

What does our internal data tell us?

#### **TECHNOLOGY**

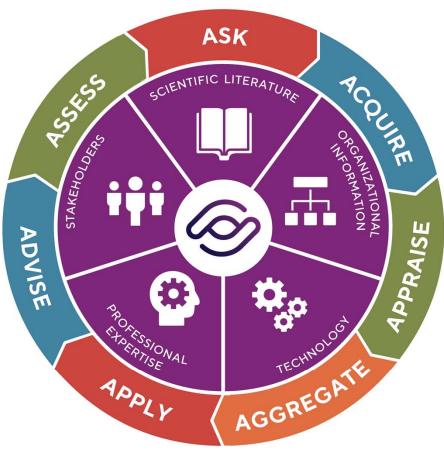
What can we learn from technology and how can we leverage it to communicate?

## PROFESSIONAL EXPERTISE

What does your professional expertise tell you is happening?

#### **STAKEHOLDERS**

What are the stakeholder perspectives, values or concerns?



#### **ASK**

Translating the practical issue into an answerable question.

#### **ACQUIRE**

Systematically searching for and retrieving evidence from all sources.

#### **APPRAISE**

Critically judging the trustworthiness or relevance of the evidence collected.

#### **AGGREGATE**

Weighing and combining evidence from each source.

#### **APPLY**

Incorporating the evidence into the decision-making process and conversation.

#### **ADVISE**

Communicating ongoing feedback.

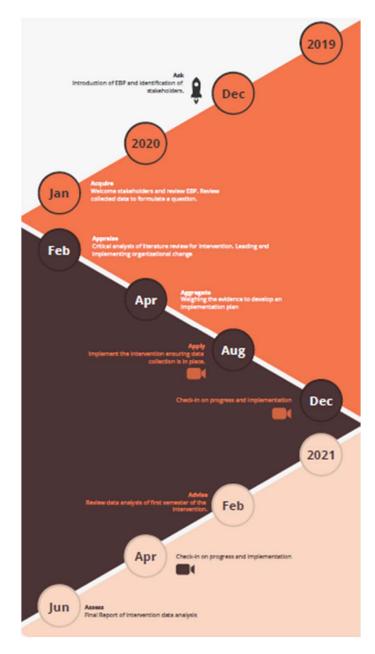
#### **ASSESS**

Evaluating the outcome of the decision that was made.

## **GEAR UP and Evidence-Based Practices**







## Step 1: Ask

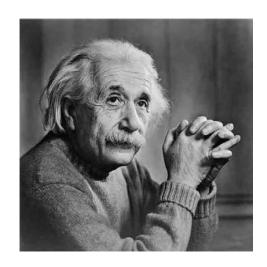
# Ask: Can the problem be translated into an answerable question?

- Search for understanding of the issue
- Shortcuts = Frustration
- More time assessing = Less time solving



"If I had an hour to solve a problem.

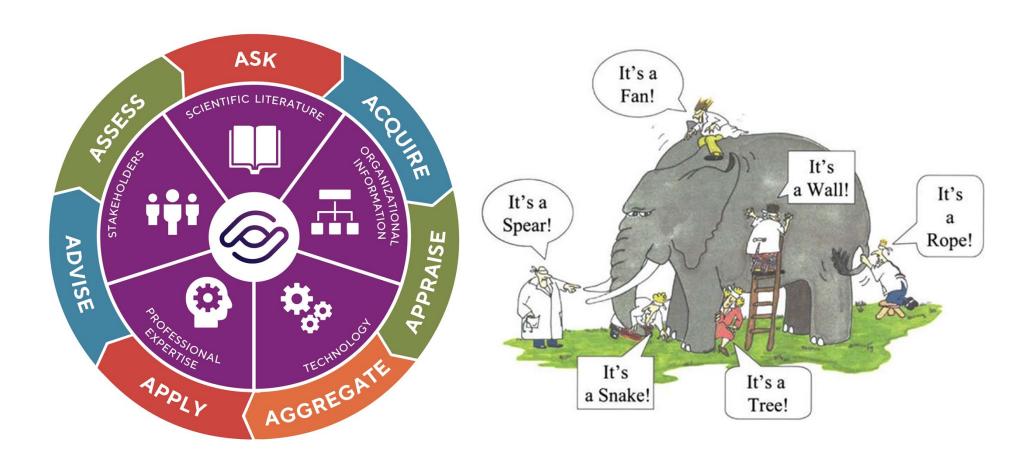
I would spend 55 minutes thinking about the problem and 5 minutes identifying solutions."



Albert Einstein

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### **Get the Full Picture**



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## Stakeholder's Input

## Do not ignore the politics

(and there are always politics)

Hippos are not always right

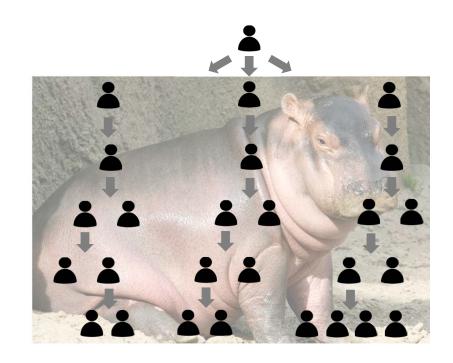
Highest

Paid

Person's

**O**pinion

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## **Stakeholder: Types**

 Interests affect or are affected by the decision

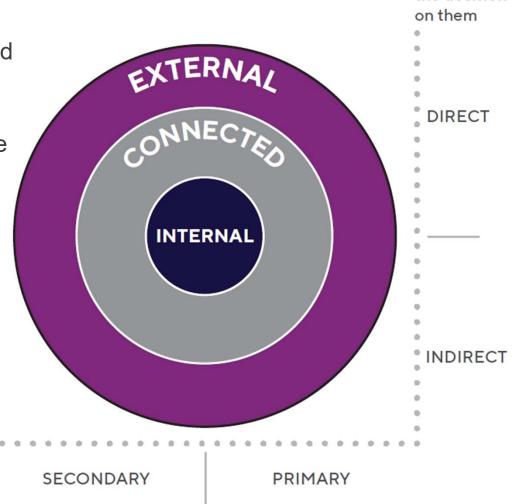
 Stakeholder's acceptance determines success or failure

#### **Types of Stakeholders**

- Direct vs. Indirect
- Primary vs. Secondary
- Internal, Connected, External

Responsibility of the organization

towards them



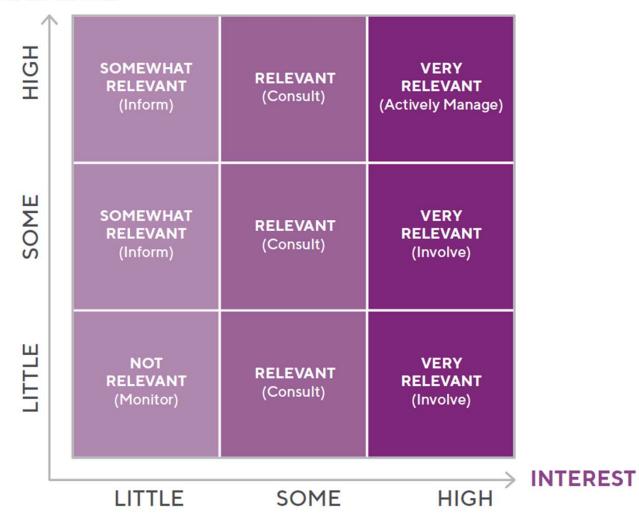
Impact of the decision

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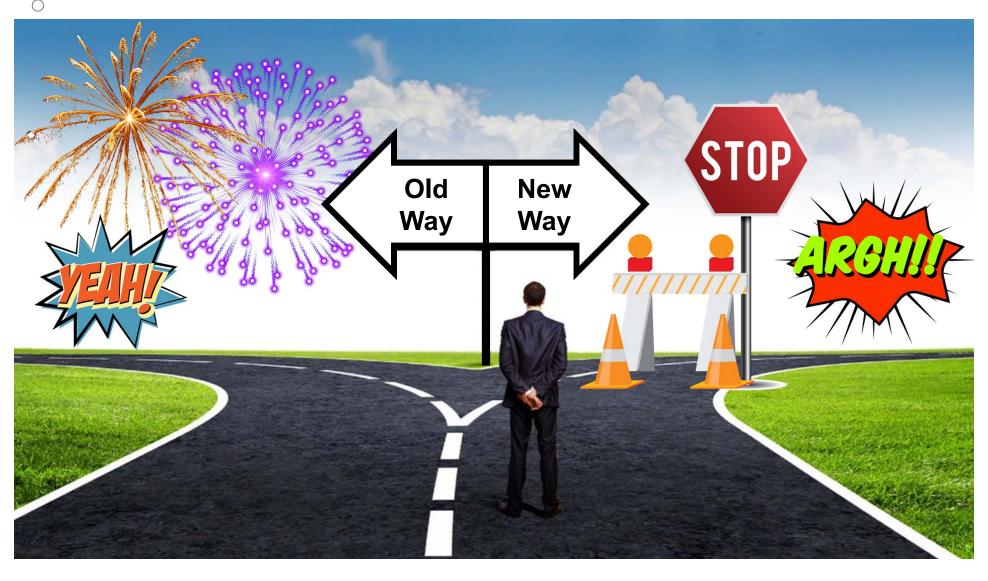


## Stakeholder: Influence versus Interest

#### **INFLUENCE**



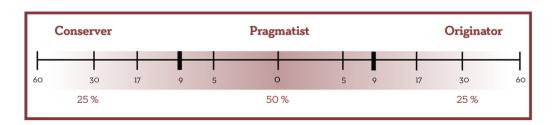
## **Reactions to Change**



## Where Are Your Stakeholders Coming From?









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Schwartz, S. H. (2012). An Overview of the Schwartz Theory of Basic Values. Online Readings in Psychology and Culture, 2, 1. Online: http://dx.doi.org/10.9707/2307-0919.1116;

Musselwhite, W. C., & Ingram, R. P. (2003). Change style indicator facilitator guide.

## **How You Can Lead People Through Change**





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## **Rosenthal Effect**

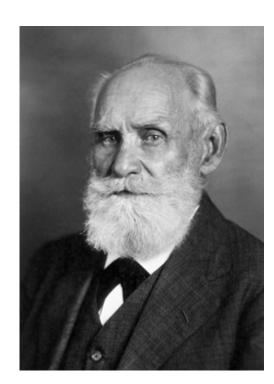


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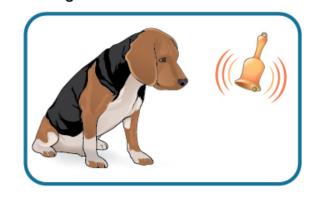
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Rosenthal, R., & Fode, K. (1963). The effect of experimenter bias on performance of the albino rat. *Behavioral Science*, 8, 183-189.

## Want a Different Response?







**During Conditioning** 



**After Conditioning** 



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## **What We Discussed Today**



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## **THANK YOU**

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