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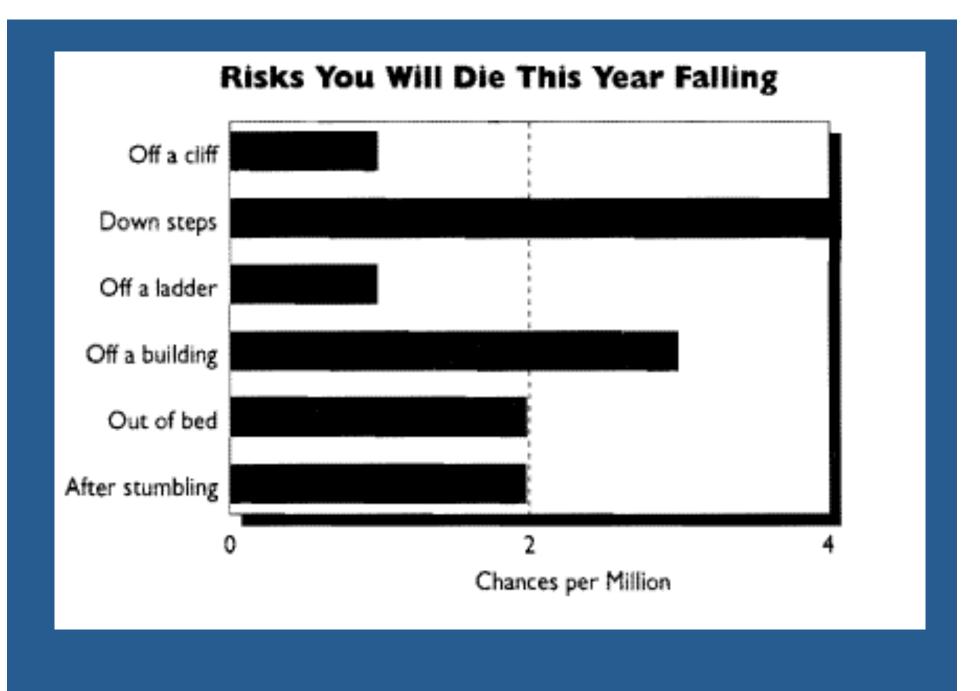
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"You risked your life, but what else have you ever risked? Have you risked disapproval? Have you ever risked a belief? I see nothing particularly courageous in risking one's life. ... You get your reward and suffer not earthly consequences. That's not courage. Real courage is risking something that you have to keep on living with, real courage is risking something that might force you to rethink your thoughts and suffer change and stretch consciousness. Real courage is risking ones' clichés." -Tom Robbins

What Are We Talking About

- ➤ Ancient Greek Around 140 B.C. *Peirao*: To attempt, endeavor, try to do, to try ones fortune, to make an attempt by sea, to make trial of one
- Ancient Latin 109 A.D. Perîculum: 1. a way through, passage, a trial, experiment, attempt, proof, essay 2. Risk, hazard, danger, peril 3. To run the risk of one's life, to get into danger, to release from danger, to do a thing at one's own risk.
- Middle Latin 1359 Risiscus or Risicum: danger, venture or risk, crisis



Our Definition of Risk and Adventure

Risk

- A lack of certainty and the prospect of loss or failure (Kogan & Wallach, 1967);
- The potential to lose something of value or simply potential for accident (Brown, 1998);
- Creates a feeling of discomfort (Grant, Thompson, & Boyes, 1996)

Adventure

A variety of self-initiated activities usually utilizing a close interaction with the natural environment, that contains elements of real and apparent risk, in which the outcome, while uncertain, can be influenced by the participant

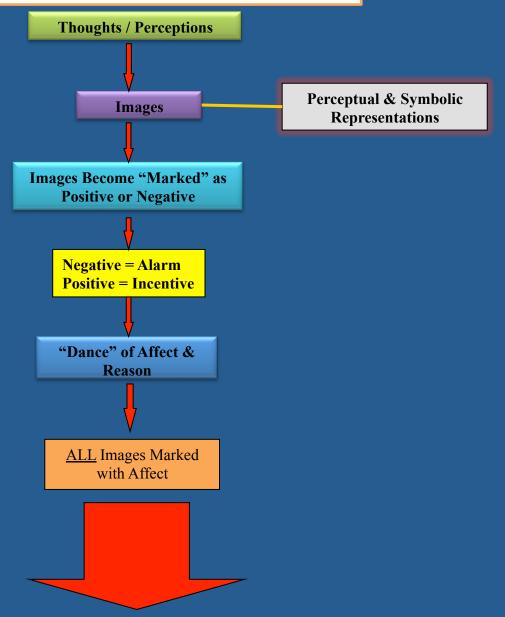


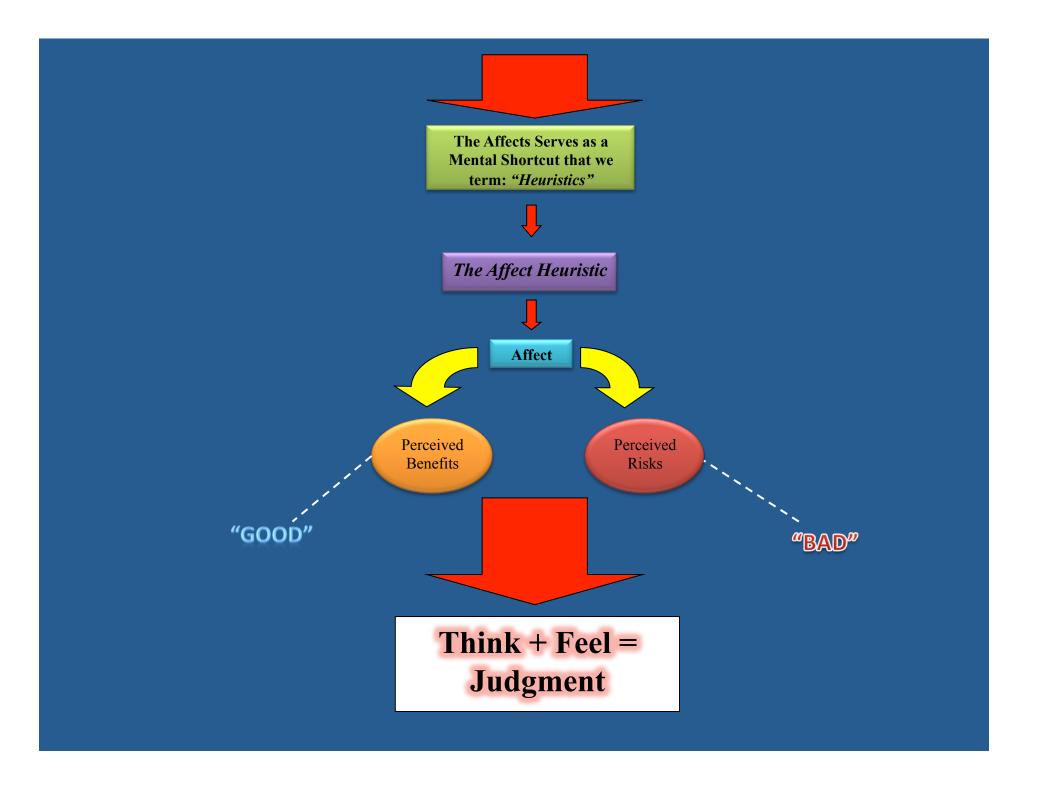






How people perceive Risky Situations



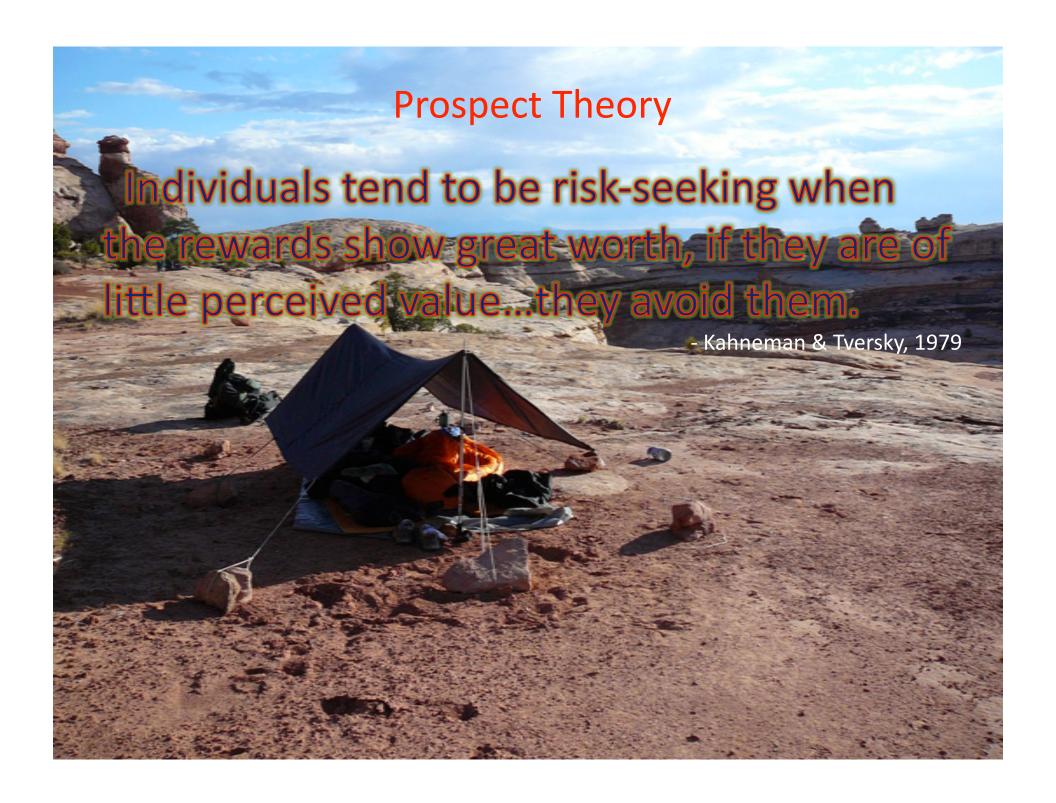


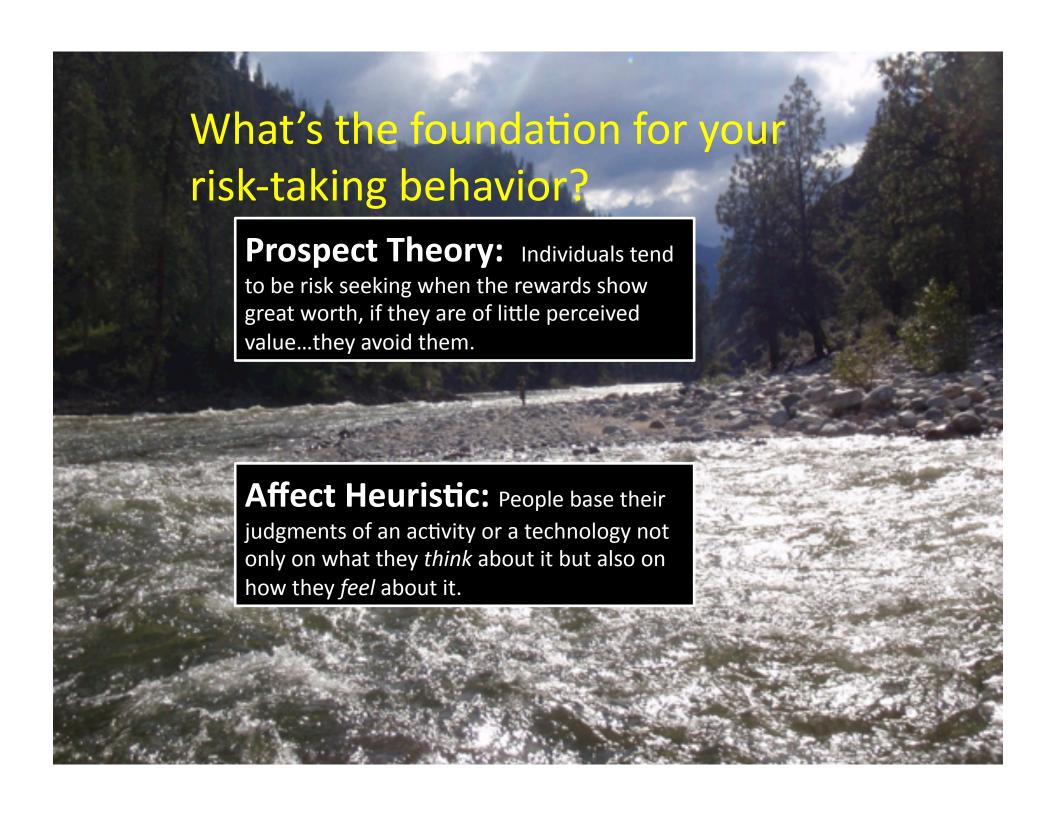
How do we judge risk?

'The affect heuristic:'

"People base their judgments of an activity or a technology not only on what they *think* about it but also on how they *feel* about it. If their feelings towards an activity are favorable, they are moved toward judging the risks as low and the benefits as high; if their feelings toward it are unfavorable, they tend to judge the opposite — high risk and low benefit."

— Slovic, Finucane, Peters, & MacGregor, 2004





Ranking of Perceived Risk

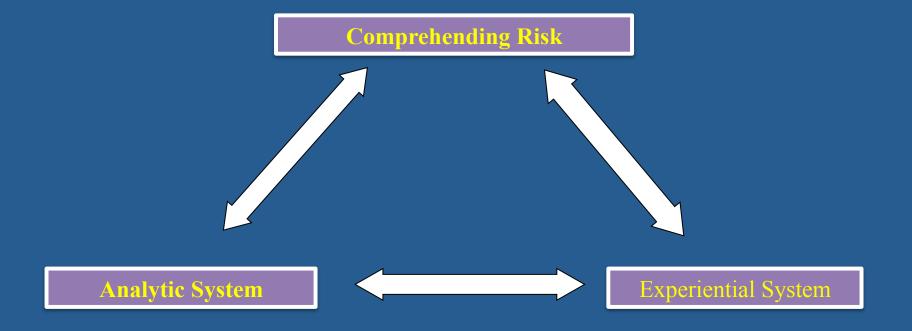
	Your Ranking	College Students	Club Members	Experts
Nuclear power				
Motor vehicles				
Handguns				
Police work				
Surgery				
Hunting				
Mountain				
climbing				
Skiing				

Ranking of Perceived Risk

	College Students	Club Members	Experts
Nuclear power	1	8	20
Motor vehicles	5	3	1
Handguns	2	1	4
Police work	8	7	17
Surgery	11	9	5
Hunting	18	10	23
Mountain climbing	22	12	29
Skiing	25	16	30

Modified from Slovic, P., Fischoff, B., & Lichtenstein, S., 1979.





Formal logic Probability Rule-Based Slow / Methodical Conscious Analysis

Mostly Automatic
Fast / Intuition
Affect
"The faint whisper of emotion"

What is more Risky?

1 = Most Risky 8 = Least Risky

Deciding to try an unclimbed mountain route.
 Deciding to get married and have a family.
Borrowing money to start a business.
 Running a class of rapid that you have never attempted.
 Road biking on a busy road with no shoulder.
Leaving a long-term relationship.
Free solo rock climbing.
Starting a new career.



Risk Propensity

- An individual's current tendency to take or avoid risks.
- An individual trait (i.e. risk) can change over time and become an emergent property of the decision maker.
- It remains a question as to whether it is Static or Dynamic.



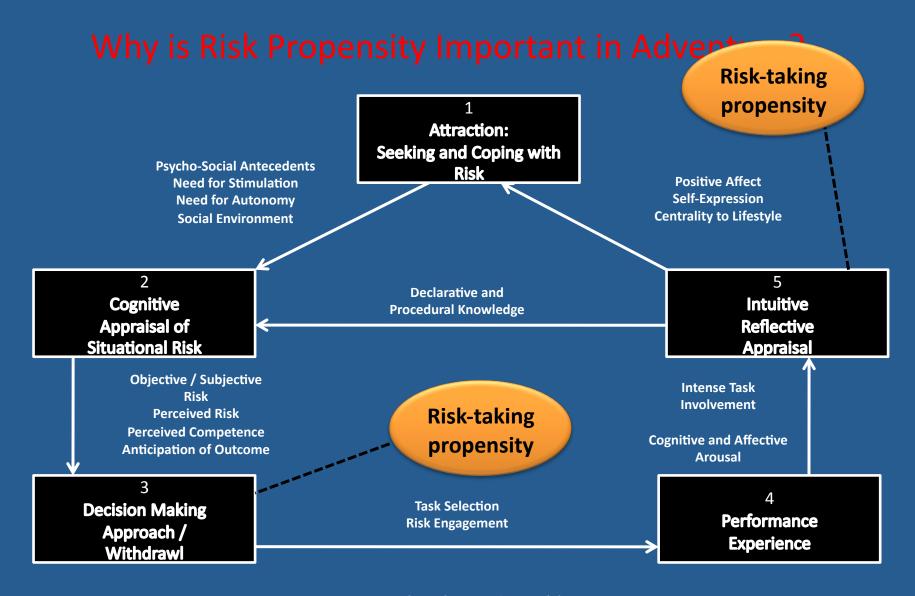


Risk-Taking Propensity Characteristics

- Enduring, but can be learned or changed.
- Past experience can result in adaptation.
- As experience grows there is a cross-situational consistency.
- If prior risk decision making was positive, there will be persistence in taking risks.
 - Risk Adverse Individuals = Weigh potential Negative outcomes.
 - Risk Seeking Individuals = Weigh potential Positive outcomes.







The Risk Recreation Model

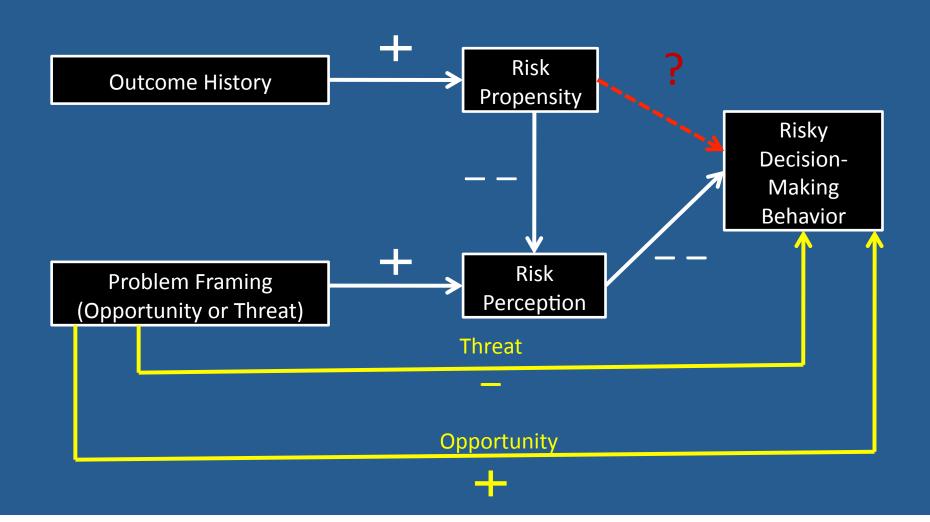
Modified from Robinson, 1992

How Does it Work?

- Problem framing: whether a situation is presented to a decision maker as an opportunity or a threat.
 - What are the gains or losses of the situation?
- Outcome history: the degree to which the decision maker believes that previous risk-related decisions have resulted in successful or unsuccessful outcomes.
 - Does prior success in risks increase the propensity to take risks?

Revised Model of the Determinants of Risky Decision-making Behavior

Modified from Sitkin & Weingart, 1995

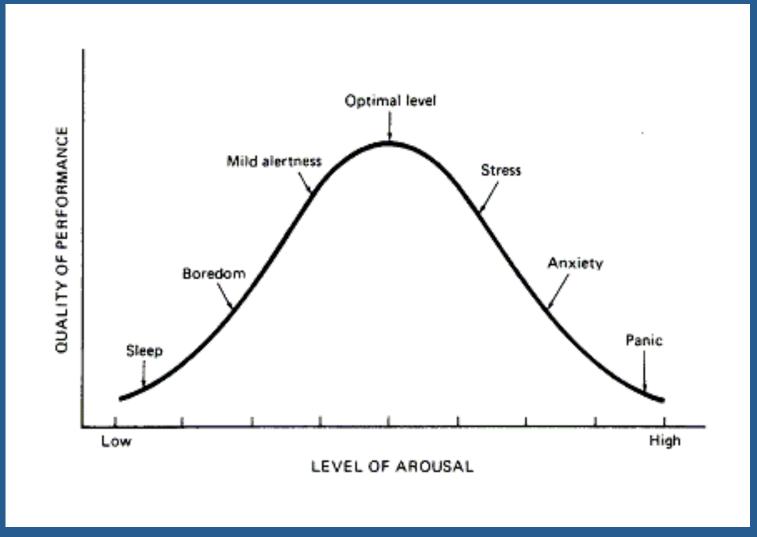


Basic Risk Attitudes

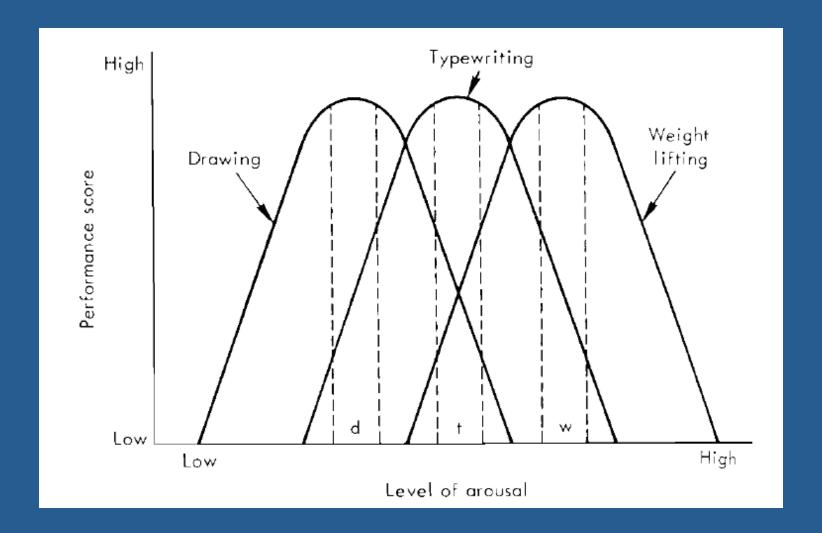
(Adapted from Murray-Webster and Hillson, 2008)

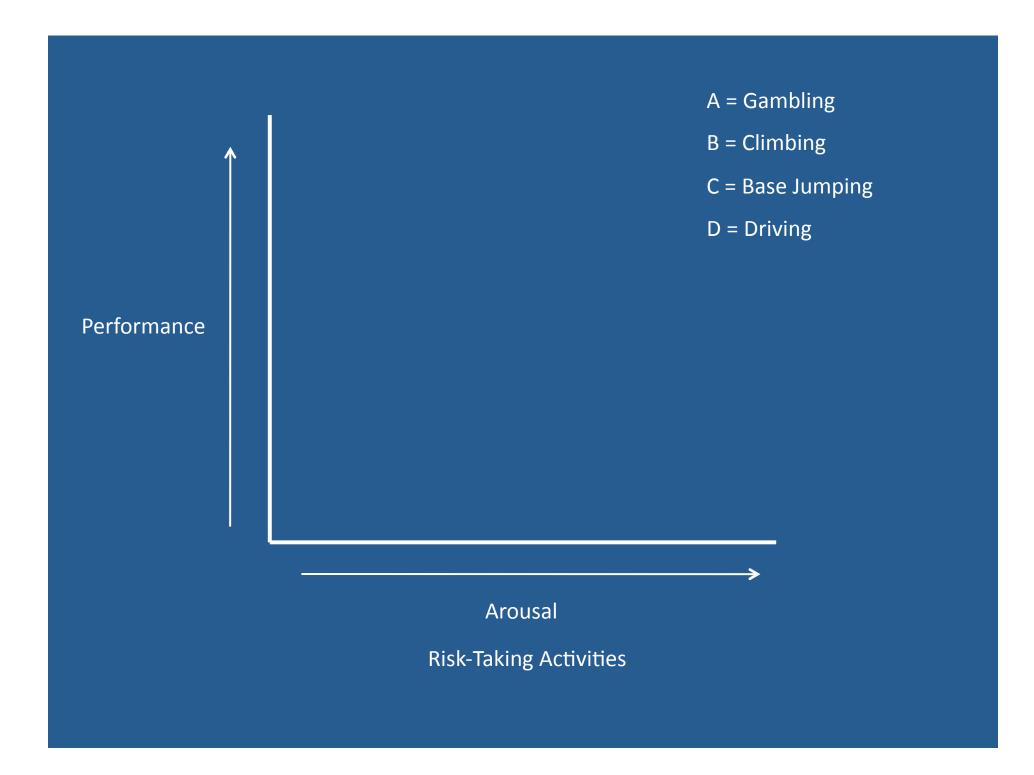
- Risk Adverse: Uncomfortable with uncertainty; desire to avoid or reduce threats and exploit opportunities to remove uncertainty.
- Risk Seeking: Comfortable with uncertainty, no desire to avoid or reduce threats or remove uncertainty.
- Risk Tolerant: Accepting of uncertainty; no strong desire to respond to threat.

Optimal Arousal



Yerkes – Dodson Rule

















1. If changeable should we change it?

2. Should we move our clients from risk adverse or tolerant to risk seeking?

3.Does risk-taking in outdoor adventure relate to risk-taking in the rest of our life?

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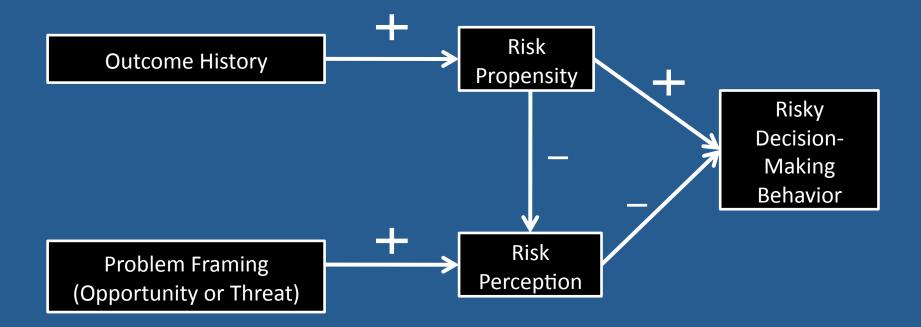
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- "Everything is sweetened by risk."
 - Alexander Smith
- "We learn wisdom from failure much more than from success."
 - Samuel Smiles
- A man of genius makes no mistakes. His errors are volitional and are the portals of discovery."
 - James Joyce
- "Nobody takes a risk in the expectation that it will fail."
 - Bernstein

Model of the Determinants of Risky Decision-Making Behavior (Sitkin & Weingart, 1995)



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