Definition of Creative Risk-Taking Propensity: The general likelihood of an individual/team behaving in more or less risky ways, where 'risk' in the creative context refers to the extent to which there is uncertainty about whether potentially significant or disappointing outcomes will be realized given creative effort.

The main causes orProvide a brief description of what the factordeterminants of creativecaptures and why it is important for measuringrisk-taking propensityrisk-taking propensity

All items measured on a Likert-type scale of 1 through 5. 1 = Very Inaccurate, 2 = Moderately Inaccurate, 3 = Neither accurate nor inaccurate, 4 = Moderately Accurate, 5 = Very Accurate

 R = strong
 APA/ MLA style reference for where you

 response relates
 obtained the justification/ support for this

 negatively to
 factor

 risk-taking
 risk-taking

Dimension	Factor #	# Factor	Description	Item #	Items	Reverse Coding	Related Literature
Personal biases	1	Bias against creativity	The extent to which an individual has an	1	I prefer creative designs over conventional designs	Р	Rietzschel, E., et al. (2010). "The selection of
and cognitive			inherrent bias against creativity. Research has	2	I believe that creative designs will lead to postive design outcomes	Р	creative ideas after individual idea generation:
items)			against creativity because of the uncertainty	з	I prefer conventional designs over creative designs	R	British Journal of Psychology 101(1): 47-68
iteriis)			regarding a novel concent	4	I am skentical that creative designs will lead to positive design	R	
			regarding a novel concept.	-	outcomes	i.	
	2	Negativity Bias	The extent to which flaws in potential design	5	I focus on the strengths of a design concept more than the flaws of	Р	Amabile, T., & Glazebrook, A. H. (1982). A
			concepts are emphasized and given more		the design when making decisions		negativity bias in interpersonal evaluation.
			weight than design strengths. Negative	6	I believe that someone who gives negative feedback is more	Р	Journal of Experimental Social Psychology,
			feedback or criticism is considered more		inteligent and knowledgeable than someone who gives positive		18(1), 1-22.
			valuable and is overemphasized in the		feedback.		Amabile, T. (1983). Brilliant but cruel:
			decision makers' mind.	7	I pay more attention to design flaws than design strengths in my	R	perceptions of negative evaluators. Journal of
					decision-making.		Experimental Psychology, 19(2), 146-156.
				8	I believe that someone who gives positive feedback is more	R	
					inteligent and knowledgeable than someone who gives negative		
	3	Optimism	An individual's belief that risky decisions will	9	I believe that risky design concepts will lead to positive design	Р	Lovallo, D. P., & Sibony, O. (2010). The case for
			produce positive outcomes		outcomes		behavioral stategy. McKinsey Quarterly, 2(1), 30-
				10	I believe that risky design concepts will lead to negative design	R	43.
					outcomes		
	4	Hindsight bias	The extent to which an individual believes that	11	I do not let my experiences with previous projects alter my	Р	Christensen-Szalanski, J. J., & Willham, C. F.
			past experiences predict or heavily influence		perceptions and behaviors in future projects.		(1991). The hindsight bias: A meta-analysis.
			current or future events. The 'I knew it' bias.	12	I use my experiences with previous projects to alter my perceptions	R	Organizational Behavior and Human Decision
					and behaviors in future projects.		Processes, 48(1), 147-168.
	5	Receptivity of new ideas	The varying degrees of receptivness is based	13	I am receptive to new ideas	Р	Kaplan, Norman. "Some organizational factors
			on the individual's prior experiences and	14	I will seriously consider novel ideas	Р	affecting creativity." Engineering Management,
			inclinations. Individuals who have more	15	I am closed off to new ideas	R	IRE Transactions on 1 (1960): 24-30.
			knowledge on subject matter will respond	16	I disregard novel ideas	R	
	6	Ambiguity Aversion	The extent to which an individual is not	17	I am tollerant of ambiguous or unknown information during the	Р	Heath, C., & Iversky, A. (1991). Preferences and
			tolerant of uncertain situations and tries to	10	design process	D	Beners: Ambiguity and Competence in Choice
			life situations	18	design	٢	Under Uncertainty, Journal of Risk and
			me situations.	10	Leave no need to maintain a sense of cortainty during the design	D	Sorronting P. Ronov CIP (2000) The Uncertain
				19	process	F	Mind: Individual Differences in Facing the
				20	I do not like dealing with ambiguous or unknown elements in the	R	Unknown vol 1 Psychology Press Hove LIK
				20	design process		
				21	I seek to reduce ambiguous or unknown elements in the early phases	R	
					design		
				22	I feel the need to maintain a sense of certainty during the design	R	
					process		
	7	Cognitive way of finding	Determing how the individual views the	23	I try to find multiple solutions to a design problem.	Р	Guilford, Joy P. "Creative abilities in the arts."
		answers.	solution to the problem can provide	24	I believe that there are often multiple correct solutions to a design		Psychological review 64.2 (1957): 110.
			information on creativity. Thinking is either		problem	Р	
			"convergent (obtaining 1 right answer) or	25	I try to find a single solution to solve a design problem.	R	
			divergent (obtaining a relative answer).	26	I believe that there is usually one correct answer to a design problem		
			Creativity is influenced more by divergent			R	
	8	Risk preference	An individual's preference for risk-taking	27	I prefer taking risks during design projects	Р	Sitkin, S. B., & Pablo, A. L. (1992).
				28	I avoid taking risks during design projects	R	Reconceptualizing the determinants of risk

	9	Risk inertia	An individual's tendency to take risks based on their prior risk behavior. Researchers argue that if an individual has typically taken risks in the past, they will be likely to take risks in the	29	In the past, I have tried to take risks during projects	Ρ	Sitkin, S. B., & Pablo, A. L. (1992). Reconceptualizing the determinants of risk behavior. Academy of Management Review, 17(1). 9-38.
			future, and vice versa.	30	In the past, I have tended to stay away from taking risks during projects	R	()) = ==
	10	Outcome history	An individual's personal experience with taking risks. If an individual experiences positive	31	I tend to have positive experiences when taking risks during projects	Р	Thaler, R. H., & Johnson, E. J. (1990). Gambling with the house money and trying to break even:
			outcomes when taking risks, they are more likely to take risks again, and vice versa.	32	I tend to have negative experiences when taking risks during projects	R	the effects of prior outcomes on risky choice. Management science, 36(6), 643-660.
	11	Burden of proof	The extent to which an individual requires	33	I am easily convinced that risky design concepts will be succesful	Р	Mounarath, R., Lovallo, D., & Dong, A. (2011).
			'proof' that a risky decision will pay off before	34	I require proof or substantial evidence that a risky design concept	R	Choosing innovation: How reasoning affects
			making said risky decision		will be successful before taking risks.		decision makers. Paper presented at the
Creative	12	Self-efficacy for	An individual's belief in their capability to	35	I am confident in my ability to identify when ideas are creative	Р	Coopersmith S (1967) The Antecedents of Self-
confidence and		identifying and selecting	identify and select creative ideas	37	I am not confident in my ability to identify when ideas are creative	R	Esteem. Freeman, New York. NY
motivation (25	13	Creative Confidence/	The extent to which an individual believes that	39	I believe that I am a creative individual	Р	Phelan, S., & Young, A. M. (2003).
items)		purpose	they are capable of and intends to bring a	40	I tend to pay more attention to creative ideas	Р	Understanding creativity in the workplace: An
			novel, original, and creative idea into being.	41	I tend to favor creative ideas	Р	examination of individual styles and training in
				42	I intend to increase the creativity of the design process	Р	relation to creative confidence and creative self-
				43	I do not believe that I am a creative individual	R	leadership. Journal of Creative Behavior, 37(4),
				44	I tend to disregard creative ideas during design	R	266-281.
				45	I tend to not think highly of creative ideas	R	
				46	I am not focused on increasing creativity during the design process	R	
	14	Genuine sense of self	A person who is comfortable with themselves	47	I am comfortable with failures during the design process	Р	Rhodes, Mel. "An analysis of creativity." Phi
		and confidence.	and willing to accept failure is a creative	48	I often feel confused or lost while tackling a design problem	Р	Delta Kappan (1961): 305-310.
			person. They have the ability to be puzzled and	49	I am comfortable with conflicting design requirements	Р	
			the ability to accept conflict.	50	I believe that I generate valuable ideas	Р	
				51	I am not comfortable with failure during the design process	R	
				52	I am seldom confused or lost while tackling a design problem	R	
				53	Lam not comfortable with conflicting design requirements	R	
				54	I believe that I do not generate valuable ideas	R	
1	15	A person's intrinsic	Generating creative ideas requires a lot of	55	I am motivated to solve design problems	P	Andrews Ionlee and Daniel C Smith "In
	15	motivation to perform	time effort and ability to stay focused on the	56	It is easy for me to stay focused on the task at hand during a design	•	search of the marketing imagination: Eactors
		the tack	task at hand. A person's investiment in the	50	nroioct	D	affecting the creativity of marketing programs
		the lask.	ask at hand. A person's investment in the	57	project I feel nerconally invested in the suspect or foilure of the outcomes in	P	for mature products " Journal of Marketing
			project will influence the quality of solutions	57	a design multist		December (1996): 171 197
			provided.	50	a design project	P	Research (1996): 174-187.
				58	i am not motivated to solve design problems	к	
				59	It is hard for me to stay focused on the task at hand during design		
					projects	R	
				60	I am not personally invested in the success or failure of the	-	
					outcomes in a design project	R	
Social effects	16	Learning culture and	"The results indicated that both learning	61	I feel that my current working environment encourages and fosters		Ismail, Meriam. "Creative climate and learning
and		creative climate.	culture and creative climate contributed 58.5		creativity	Р	organization factors: their contribution towards
environment			percent to the explanation of the observed	62	I feel that my current working environment does not encourage or		innovation." Leadership & Organization
(29 items)			variances in the innovation construct."-		foster creativity	R	Development Journal 26.8 (2005): 639-654.
	17	Sensitivity to crtiticism	The extent to which an individual is dismayed	63	I am usually unaware of when I am being criticized	Р	Sternberg RJ, O'Hara LA, Lubart TI (1997)
			and easily discouraged by criticisms to their	64	I am not easily discouraged when I am being criticized	Р	Creativity as an Investment, California
			ideas	65	I am usually aware of when I am being criticized	R	Management Review, 40:8-21
				66	I am easily discouraged when I am being criticized	R	
	18	Freedom to express	The extent to which the individual feels	67	I feel comfortable presenting my ideas to my team members	Р	Hoffman, L. Richard, Ernest Harburg, and
		opinions .	comfortable expressing their ideas and	68	I do not feel judged by my team members for my ideas and opinions		Norman RF Maier. "Differences and
			opinions in a group			Р	disagreement as factors in creative group
				69	I do not feel comfortable presenting my ideas to my team members		problem solving." The Journal of Abnormal and
					· · · · · · · · · · · · · · · · · · ·	R	Social Psychology 64.3 (1962): 206.
				70	I feel judged by my team members for my ideas and opinions	R	, , , , , , , ,
				-	, , ,		

19	Competition	Wanting to outperform others can lead to one	71	I have a competitive nature	Р	Paulus, P. (2000). Groups, Teams, and
		expressing ideas more freely and therefore	72	I want to outperform others	Р	Creativity: The Creative Potential of
		expressing more creative ideas. More likely to	73	I am not competitive	R	Idea-generating Groups. Applied psychology,
		take a risk if it will give them the upper hand	74	I do not feel the need to outperform others	R	49 (2), 237-262.
20	fear of rejection and	people with certain personalities are more	75	I like to take ownership of my ideas and opinions	Р	Paulus, P. (2000). Groups, Teams, and
	failure	likely to be more creative when they aren't	76	I tend to express my ideas freely	Р	Creativity: The Creative Potential of
		afraid of their creative ideas being rejected	77	I tend to handle failure well	Р	Idea-generating Groups. Applied psychology,
			78	I prefer to submit my ideas annonymously	R	49(2), 237-262.
			79	I am not comfortable expressing my ideas freely	R	
			80	I do not cope well with failure	R	
21	Opinion of	how much does someone else's opinion of you	81	I prefer to go against the grain	Р	Sternberg, R. J., O'Hara, L. A., & Lubart, T. I.
	others/assessment by	influence your decisions	82	I often have unique ideas and opinions	Р	(1997). Creativity as investment. California
	peers		83	I do not follow trends	Р	Management Review , 40 , 8-21.
			84	I am not intimidated by other people's opinions of me	Р	
			85	People's opinions of me seldom affect my own actions	Р	
			86	I prefer to not go against the grain	R	
			87	I often have conventional ideas and opinions	R	
			88	I often follow trends	R	
			89	I am often intimidated by other people's opinions of me	R	
			90	People's opinions of me often affect my own actions	R	
22	Assessment by superiors	How focussed one is on their grades or what	91	I want to impress my superiors (supervisor, instructor, professor,	Р	Davies, T. (2000). Confidence! Its role in the
		their boss will think of them		leaders)		creative teaching and learning of design and
			92	I want to get good grades	Р	technology.
			93	It is not important for me to impress my superiors (supervisor,	R	
				instructor, professor, leaders)		
			94	I do not care about getting good grades	R	
23	Network/ Team	The distance between the individual and the	95	I play a central role in teams that I am a part of	Р	Perry-Smith JE (2006) Social yet creative: the
	Centrality	rest of the design team. High centrality	96	I believe that I influence the direction and progress of projects that I		role of social relationships in facilitating
		indicates that the number of links required to		am a part of	Р	individual creativity, Academy of Management
		access other members of the network are few,	97	I do not typically play a central role in teams that I am a part of	R	Journal, 49:85-101
		whereas low centrality indicates that the	98	I believe that I have little impact on the direction and progress of		•
		number of links required to access other		projects that I am a part of	R	