

2016 CREATIVITY CONCEPT SELECTION IN INDUSTRY: ONLINE SURVEY QUESTIONS

Thank you for agreeing to participate in this online survey about concept selection methods in design practice. The following questions seek to obtain basic information about your educational and professional background in order to gain valuable demographic information about our participants. These answers will only be used to describe our participants and will not be directly linked back to your responses. You may skip any questions that you do not wish to answer.

1. Can you please describe your educational background (degree(s) and areas of concentration(s)).
2. Can you please describe your professional design experience (e.g. company, position, design projects)?
3. How many years of professional design experience have you attained?
4. What would you say is your primary area of expertise (e.g., mechanical engineer, aerospace engineer, industrial designer, etc.)?
5. What is your current job title (we will only use this to describe the participants of the study, this will not be affiliated with your responses).

The following 4 questions ask about concept selection methods and techniques that are used in design practice. These questions will add to our understanding of concept selection methods in design practice and the factors that impact the adoption of formal concept selection techniques in industry.

1. Can you describe a recent or ongoing design project that you have worked on?
 2. During this project, can you describe how you (or your design team) **selected** concepts to move on in the design process after you generated concepts (i.e. what type of concept selection methods did you use, was it in a team or individually, did you have a say in what ideas moved forward, etc.)?
 3. During this concept selection process, did you use any formal concept selection methods (e.g. Pugh's concept evaluation, voting, Analytic Hierarchy Process, or any variants)?
 4. Was the process used during the design project described (concept development and selection) typical for you or your company? Why or why not?
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Below is a list of formal concept selection methods that have been developed to increase the effectiveness of the concept selection process. For each one, rate your *familiarity* with each method (i.e. Do you know what it is?):

	Extremely familiar				Never heard of this before
	1	2	3	4	5
Pugh's Concept Evaluation Method	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Analytic Hierarchy Process (AHP)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quality Function Deployment (QFD)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fuzzy Set Method	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utility Theory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
'Plus-minus' Method	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Multi-voting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Axiomatic Design Selection Method	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hypothetical Equivalents and Inequivalents Method (HEIM)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Go/ No Go Screening	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Product Reaction Cards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stage-Gate Product Innovation Process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

1. Please list other formal concept selection methods that you know:
2. Describe if or how stage gate is utilized in your company. In addition, please describe who makes the decisions at the gates and what information or tools is used to inform these decisions?

For each of the concept selection methods listed above, please now rate your *perceived level of utility* of each method for use during the concept selection process.

	Extremely familiar				Never heard of this before
	1	2	3	4	5
Pugh's Concept Evaluation Method	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Analytic Hierarchy Process (AHP)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quality Function Deployment (QFD)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fuzzy Set Method	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utility Theory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
'Plus-minus' Method	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Multi-Voting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Axiomatic Design Selection Method	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hypothetical Equivalents and Inequivalents Method (HEIM)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Go/ No Go Screening	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Product Reaction Cards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stage Gate Product Innovation Process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The following questions contain phrases describing people's behaviors. Please use the rating scale next to each phrase to describe how accurately each statement describes you. Describe yourself as you generally are now, not as you wish to be in the future. Describe yourself as you honestly see yourself, in relation to other people you know of the same sex as you are, and roughly your same age. So that you can describe yourself in an honest manner, your responses will be kept in absolute confidence. Please read each statement carefully, and then click the circle that corresponds to the accuracy of the statement. Note that this section refers to *individual* rather than *company* practices.

Please answer every item. Failing to answer items will result in an invalid returned score. All responses to this inventory from all respondents are completely confidential and will not be associated with you as an individual or your company.

	Very Inaccurate		Neither Accurate Nor Inaccurate		Very Accurate
I prefer creative designs over conventional designs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that creative designs will lead to positive design outcomes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I prefer conventional designs over creative designs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am skeptical that creative designs will lead to positive design outcomes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I focus on the strengths of a design concept more than the flaws of the design when making decisions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that someone who gives negative feedback is more intelligent and knowledgeable than someone who gives positive feedback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I pay more attention to design flaws than design strengths in my decision-making	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that someone who gives positive feedback is more intelligent and knowledgeable than someone who gives negative feedback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that risky design concepts will lead to positive design outcomes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that risky design concepts will lead to negative design outcomes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not let my experiences with previous projects alter my perceptions and behaviors in future projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I use my experiences with previous projects to alter my perceptions and behaviors in future projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am receptive to new ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I will seriously consider novel ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am closed off to new ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I disregard novel ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am tolerant of ambiguous or unknown information during the design process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I embrace ambiguous or unknown elements in the early phases of design	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have no need to maintain a sense of certainty during the design process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not like dealing with ambiguous or unknown elements in the design process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I seek to reduce ambiguous or unknown elements inherent in early phase design ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Very Inaccurate		Neither Accurate Nor Inaccurate		Very Accurate
I feel the need to maintain a sense of certainty during the design process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I try to find multiple solutions to a design problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that there are often multiple correct solutions to a design problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I try to find a single solution to solve a design process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that there is usually one correct answer to a design problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I prefer taking risks during design projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I avoid taking risks during design projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In the past, I have tried to take risks during projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In the past, I have tended to stay away from taking risks during projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I tend to have a positive experience when taking risks during projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I tend to have a negative experience when taking risks during projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am easily convinced that risky design concepts will be successful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I require proof or substantial evidence that a risky design concept will be successful before taking risks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am confident in my ability to identify when ideas are creative	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not confident in my ability to identify when ideas are creative	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that I am a creative individual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I tend to pay more attention to creative ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I tend to favor creative ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I intend to increase creativity during the design process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not believe that I am a creative individual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I tend to disregard creative ideas during design	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I tend to not think highly of creative ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not focused on increasing creativity during the design process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am comfortable with some failures during the design process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often feel confused with conflicting design requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am comfortable with conflicting design requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that I generate valuable ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not comfortable with failure during the design process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am seldom confused or lost while tackling a design problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not comfortable with conflicting design requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that I do not generate valuable ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am motivated to solve design problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is easy for me to stay focused on the task at hand during a design project	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel personally invested in the success or failure of the outcomes in a design project	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Very Inaccurate		Neither Accurate Nor Inaccurate		Very Accurate
I am not motivated to solve design problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is hard for me to stay focused on the task at hand during design projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not personally invested in the success or failure of the outcomes in a design project	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel that my current working environment encourages and fosters creativity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel that my current working environment does not encourage or foster creativity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am usually unaware of when I am being criticized	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not easily discouraged when I am being criticized	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am usually aware of when I am being criticized	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am easily discouraged when I am being criticized	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel comfortable presenting my ideas to my team members	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not feel judged by my team members for my ideas and opinions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not feel comfortable presenting my ideas to my team members	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel judged by my team members for my ideas and opinions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have a competitive nature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to outperform others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not competitive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not feel the need to outperform others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like to take ownership of my ideas and opinions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I tend to express my ideas freely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I tend to handle failure well	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I prefer to submit my ideas anonymously	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not comfortable expressing my ideas freely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not cope well with failure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I prefer to go against the grain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often have unique ideas and opinions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not follow trends	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not intimidated by other people's opinions of me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
People's opinions of me seldom affect my own actions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I prefer to not go against the grain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often have conventional ideas and opinions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often follow trends	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am often intimidated by other people's opinions of me	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
People's opinions of me often affect my own actions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to impress my superiors (supervisor, instructor, professor, leaders)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Very Inaccurate		Neither Accurate Nor Inaccurate		Very Accurate
I want to get good grades	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is not important for me to impress my superiors (supervisor, instructor, professor, leaders)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not care about getting good grades	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I play a central role in teams that I am a part of	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that I influence the direction and progress of projects that I am a part of	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not typically play a central role in teams that I am a part of	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that I have little impact on the direction and progress of projects that I am a part of	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am the life of the party	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I talk to a lot of different people at parties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I keep in the background	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't talk a lot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I sympathize with others' feelings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel others' emotions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not really interested in others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not interested in other people's problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I get chores done right away	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I like order	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often forget to put things back in their proper place	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I make a mess of things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have frequent mood swings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I get upset easily	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am relaxed most of the time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I seldom feel sad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have a vivid imagination	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not interested in abstract ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have difficulty understanding abstract ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not have a good imagination	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The following questions assess an individual's risk aversion level. Measuring and studying risk-taking in professional designers is important for understanding the factors that affect the perception and preference for creativity in engineering design industry.

Answer the following questions regarding hypothetical lottery scenarios by specifying whether you prefer a varying payoff of a specified value, or a gamble of *fair odds* with a certain payoff of a specified value (i.e., you are *equally likely* to win the gamble or lose the gamble).

Which do you prefer?

- \$50 for sure
- A fair coin flip in which you get \$200 if it is heads, \$0 if it is tails.

Which do you prefer?

- \$60 for sure
- A fair coin flip in which you get \$200 if it is heads, \$0 if it is tails.

Which do you prefer?

- \$70 for sure
- A fair coin flip in which you get \$200 if it is heads, \$0 if it is tails.

Which do you prefer?

- \$80 for sure
- A fair coin flip in which you get \$200 if it is heads, \$0 if it is tails.

Which do you prefer?

- \$90 for sure
- A fair coin flip in which you get \$200 if it is heads, \$0 if it is tails.

Which do you prefer?

- \$100 for sure
- A fair coin flip in which you get \$200 if it is heads, \$0 if it is tails.

Which do you prefer?

- \$110 for sure
- A fair coin flip in which you get \$200 if it is heads, \$0 if it is tails.

Which do you prefer?

- \$120 for sure
- A fair coin flip in which you get \$200 if it is heads, \$0 if it is tails.

Which do you prefer?

- \$130 for sure
- A fair coin flip in which you get \$200 if it is heads, \$0 if it is tails.

Which do you prefer?

- \$140 for sure
- A fair coin flip in which you get \$200 if it is heads, \$0 if it is tails.

The following questions assess an individual's ambiguity aversion level. Measuring and studying attitudes towards ambiguity in professional designers is important for understanding the factors that affect the perception and preference for creativity in engineering design industry.

Answer the following questions regarding hypothetical lottery scenarios by specifying whether you prefer a fixed payoff of a specified value, or a gamble of *unknown odds* with an uncertain payoff of a specified value (i.e., it is *not known* how likely it is for you to win the gamble, as it could range from not at all likely, to extremely likely).

Which do you prefer?

- \$50 for sure
- \$200 if you win the gamble with unknown probability and \$0 if you do not.

Which do you prefer?

- \$60 for sure
- \$200 if you win the gamble with unknown probability and \$0 if you do not.

Which do you prefer?

- \$70 for sure
- \$200 if you win the gamble with unknown probability and \$0 if you do not.

Which do you prefer?

- \$80 for sure
- \$200 if you win the gamble with unknown probability and \$0 if you do not.

Which do you prefer?

- \$90 for sure
- \$200 if you win the gamble with unknown probability and \$0 if you do not.

Which do you prefer?

- \$100 for sure
- \$200 if you win the gamble with unknown probability and \$0 if you do not.

Which do you prefer?

- \$110 for sure
- \$200 if you win the gamble with unknown probability and \$0 if you do not.

Which do you prefer?

- \$120 for sure
- \$200 if you win the gamble with unknown probability and \$0 if you do not.

Which do you prefer?

- \$130 for sure
- \$200 if you win the gamble with unknown probability and \$0 if you do not.

Which do you prefer?

- \$140 for sure
- \$200 if you win the gamble with unknown probability and \$0 if you do not.