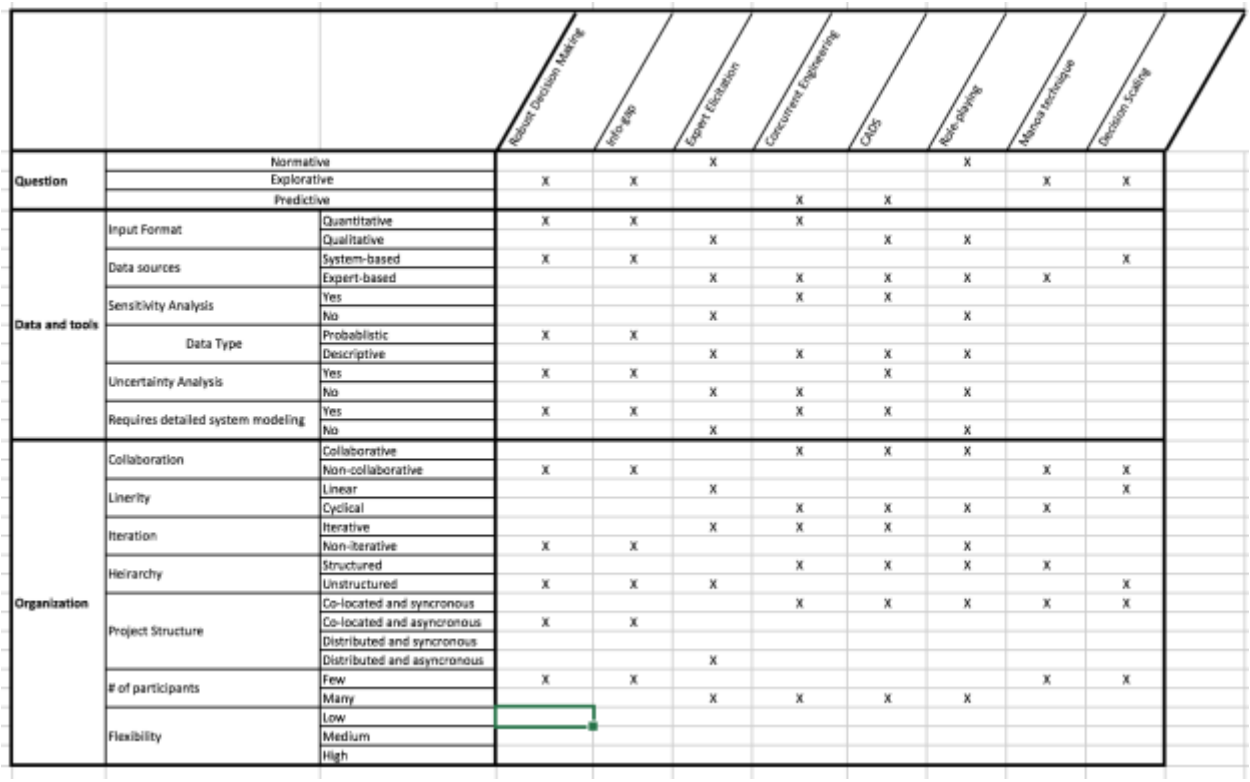
Weekly Status Report – Niles Guo Sept 3, 2017

This week's activity:

1. Other than the first week of class, worked on finalizing the first iteration of taxonomy.



			Robust Decision Making	Info-gap	Expert Elicitation	Concurrent Engineering	CADS	Role-playing	Manoa technique	Decision Scaling
Question	Normative				X			X		
	Explorative		X	X					X	X
	Predictive					X	X			
Data and tools	Input Format	Quantitative	X	X		X				
		Qualitative			X		X	X		
	Data sources	System-based	X	X						X
		Expert-based			X	X	X	X	X	
	Sensitivity Analysis	Yes				X	X			
		No			X			X		
	Data Type	Probablistic	X	X						
		Descriptive			X	X	X	X		
	Uncertainty Analysis	Yes	X	X			X			
		No			X	X		X		
	Requires detailed system modeling	Yes	X	X		X	X			
		No			X			X		
Organization	Collaboration	Collaborative				X	X	X		
		Non-collaborative	X	X					X	X
	Linerity	Linear			X					X
		Cyclical				X	X	X	X	
	Iteration	Iterative			X	X	X			
		Non-iterative	X	X				X		
	Heirarchy	Structured				X	X	X	X	
		Unstructured	X	X	X					X
	Project Structure	Co-located and syncronous				X	X	X	X	X
		Co-located and asyncronous	X	X						
		Distributed and syncronous								
		Distributed and asyncronous			X					
	# of participants	Few	X	X					X	X
		Many			X	X	X	X		
	Flexibility	Low								
		Medium								
		High								

2. Included additional categories and re-arranged certain categories within each other.

Question	Normative: Given a policy goal, how do you reach that goal?	
	Explorative: What are the possible scenarios?	
	Predictive: What is the best solution, or what will the outcome be?	
Data and tools	Include Qualitative?	Yes: data has qualitative inputs
		No: data is all quantitative
	Include Expert input?	No: data is sourced exclusively from system inputs.
		Yes: Data can come from expert inputs.
	Sensitivity Analysis	Yes: Sensitivity analysis is conducted.
		No: Sensitivity analysis is not conducted.
	Data Type	Probablistic: Data includes probabilistic/stochastic inputs
		Descriptive: Data is only descriptive

	Uncertainty Analysis	Yes: uncertainty analysis is conducted
		No: uncertainty analysis is not conducted
	Requires detailed system modeling	Yes
		No
Organization	Collaboration	Collaborative
		Non-collaborative
	Linearity	Linear
		Cyclical
	Iteration	Iterative
		Non-iterative
	Hierarchy	Structured: formalized team structure, usually with a team leader
		Unstructured: Flat structure, with very little formalized rules in place
	Project Structure	Co-located and synchronous
		Co-located and asynchronous
		Distributed and synchronous
		Distributed and asynchronous
	# of participants	Few (1-3)
		Many (more than 3)
	Flexibility	Low
		Medium
		High

Issues/Agenda for next meeting

1. Present some more of the taxonomy work for another iteration review.

Next week's activity:

1. Continue to work on project progress timeline and build a usable project timeline for the semester.
2. Start to look for appropriate case studies to conduct the CADS work.