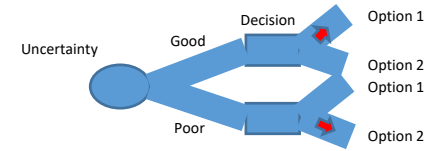
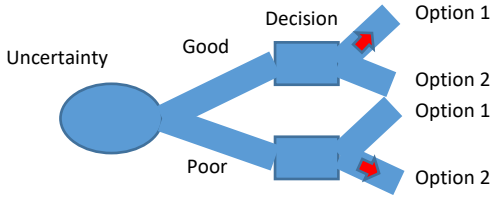


Risk Management

Discussion of Alternatives



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Issue Raising for evaluation

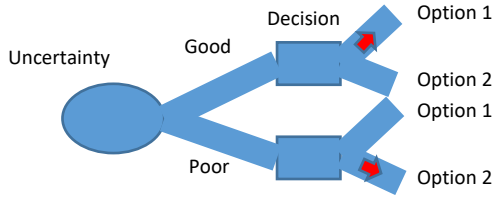
Managing Risk Management
8-Jul-22

Type	subtype	Group	Issues List
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List of Issues grouped and categorized as

- Decisions (D) with subtypes of Givens (G) or Focus Items (F), or Tactical (T)
- Uncertainties (U)
- Values Measures (V)
- Other (O) -- Fact or observation.

- D Should we mitigate risk?
- D What type of mitigation we should do?
- O There are 6 elements all of which need to operate to be
- C Risk of each element failing
- C Cost to mitigate an element
- V Total Risk plus Cost of Mitigation



Decision Hierarchy

Decision Hierarchy for Managing Risk Management

8-Jul-22

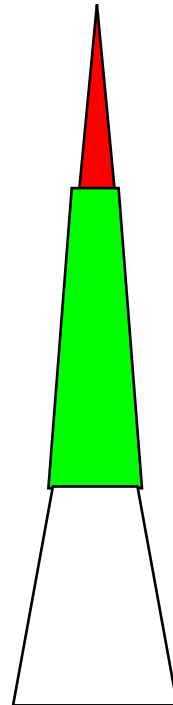
Givens

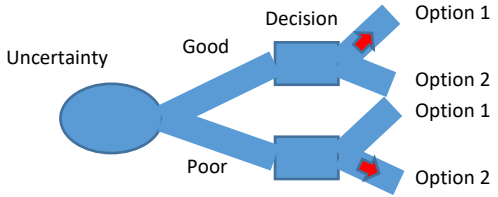
All 6 elements need to work to be successful
Capital Has value in the company and we compete for capital

Focus Decisions (strategic)

Should we mitigate risk?
What type of mitigation we should do?







Detail Decisions (Tactical)

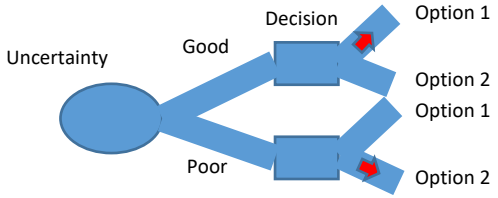




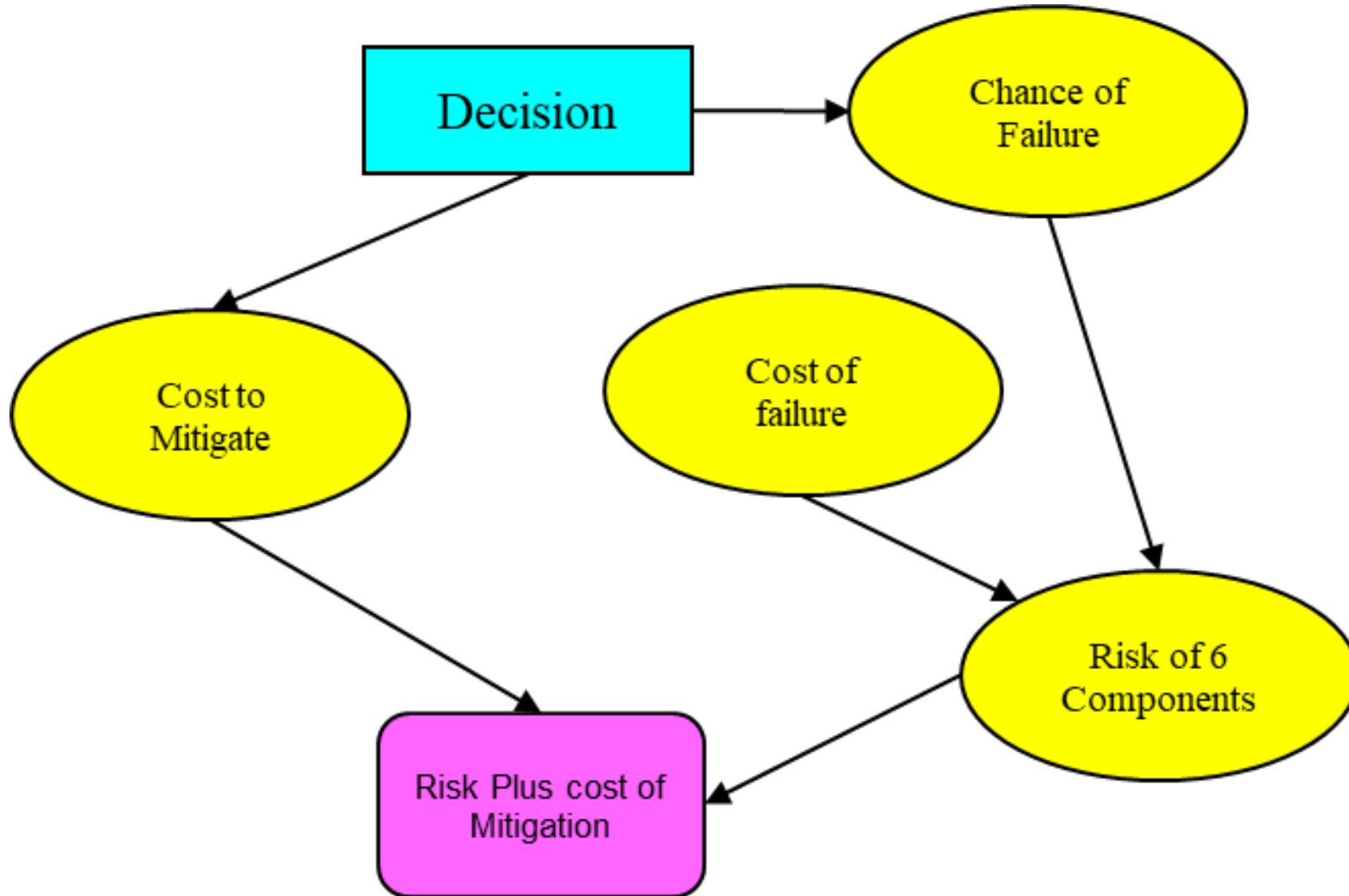
Strategy Table

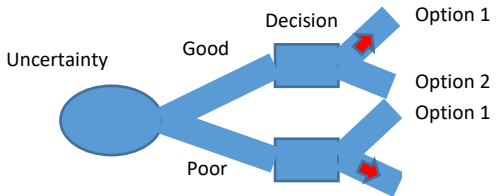
Managing Risk Strategy Table

Strategy Theme	Focus on Decisions ----->>>
	<i>Level of Risk Mitigation</i>
Given that we already have 4 Agar meters continue with Agar and use Vendor support since it is available. 	None 
Low Hanging Fruit to be fast and cheap 	Few mitigations 
Everything - no budget constraints 	All we can think of 



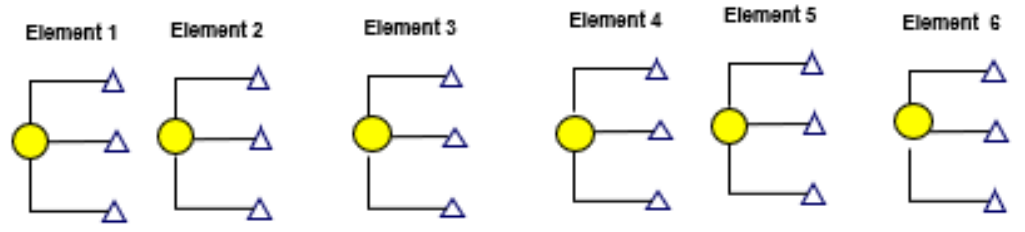
Influence Diagram



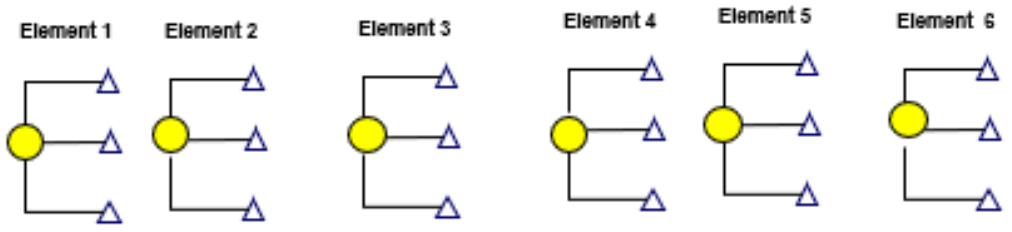


Decision Tree

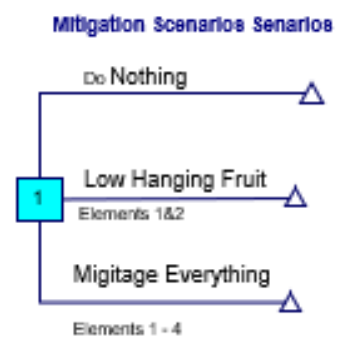
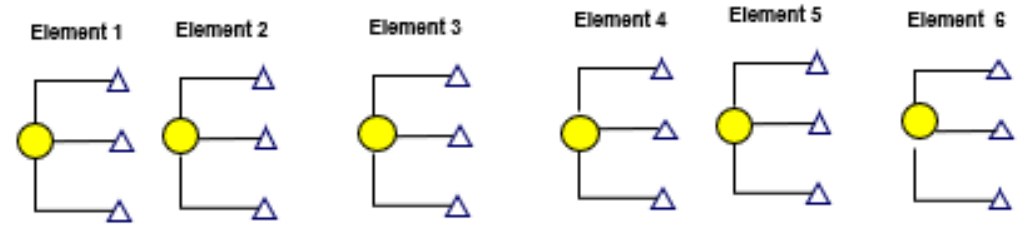
Cost if failure



Chance of Failure

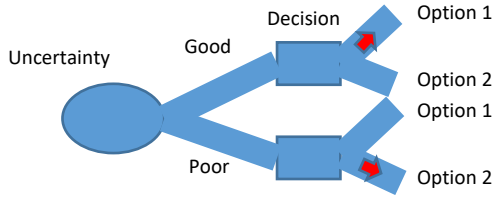


Cost of Mitigation

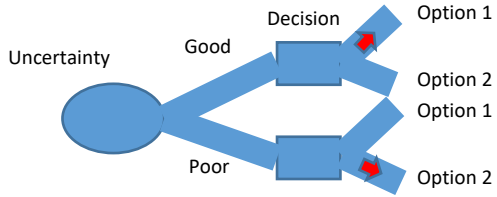


Value Measures

- Total Cost
- Risk Cost
- Mitigation Costs



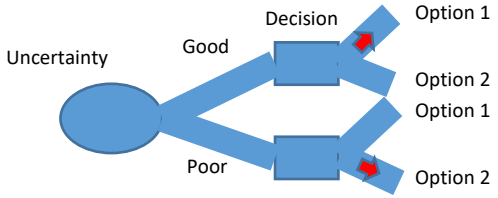
Displays of results



Voting on which would resonate with the Decision Maker

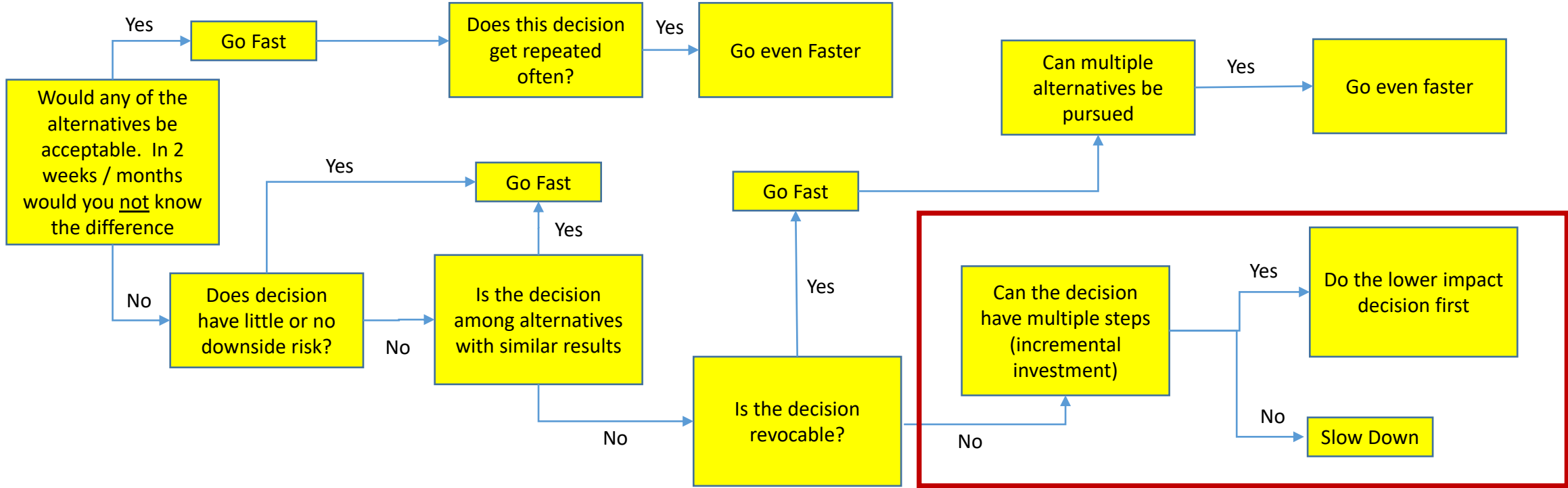
- Box and whisker plots
- Histograms
- Cumulative Distribution charts
- Probability Distribution Charts
- Cross plot of value and capital costs
- None of the above

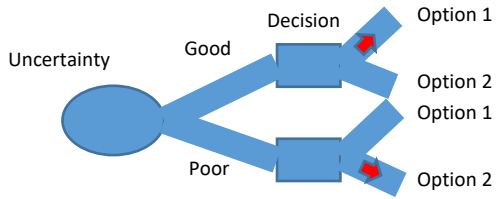
Discussion after voting



How Fast Can I Go

Adapted from “How To Decide” by Annie Duke





More information on SIPmath

- Visit the www.ProbabilityManagement.Org website
- Read “The Flaw of Averages” by Sam Savage
- Review the many videos on my YouTube Channel “Brian Putt” that covers:
 - Using SIPmath tools
 - Cost and Schedule Risk Analysis
 - Portfolio Analysis
 - Value of Information
 - Mind testers (Birthday problem, Let’s Make a Deal, Frog, Taxi Cab Problem)

← → ↻ 🔒 <https://www.probabilitymanagement.org/> 📖 ☆ ⌵ 🖋️ ↗️ ✓ ⋮



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