Example

Camera Purchase

The objective: to select the best overall camera.

The alternatives are labeled A, B, C, D

The attributes are Price, Screen Size, Resolution, and Video Quality

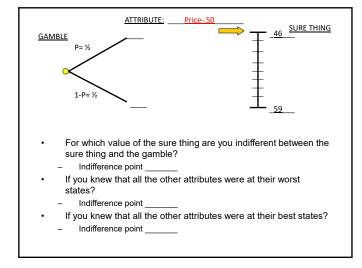
The alternatives (cameras) under consideration have the following ranges for the attributes:

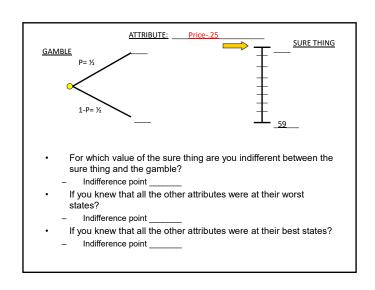
Attributes:	Price \$	Screen inches	Megapixels mp	Vidcap xp
Range	46-59	2.4-3	12-36	720-1080 (binary)

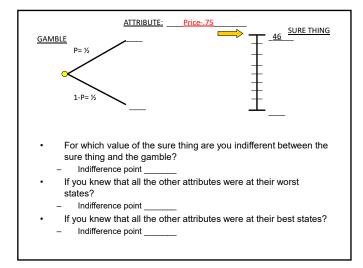
Step 1. We need the utility functions for these attributes...

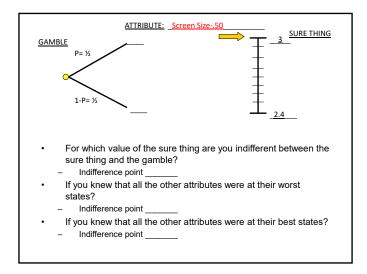
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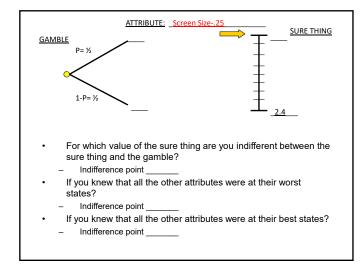


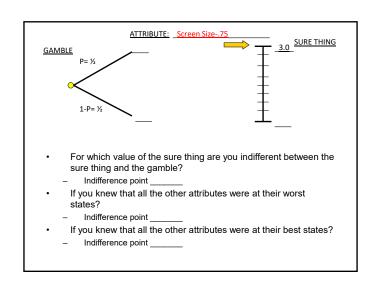


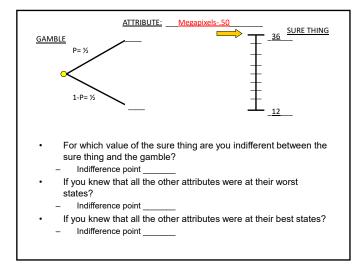


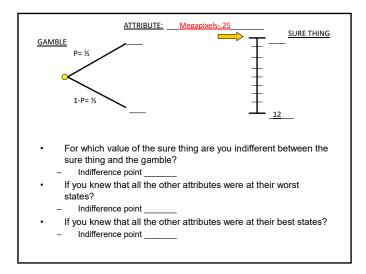


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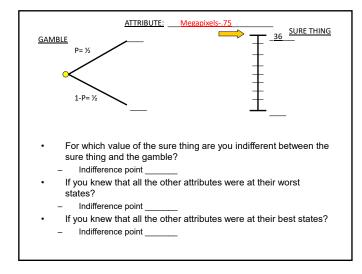


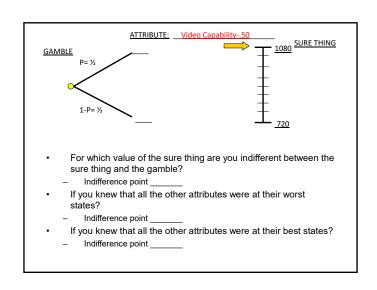


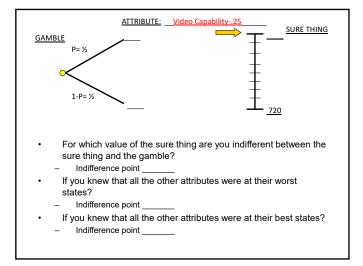


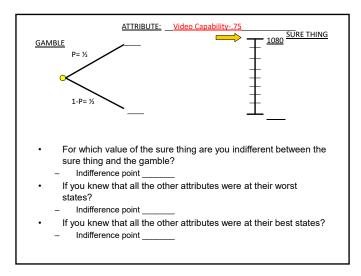


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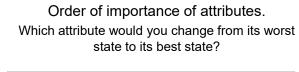




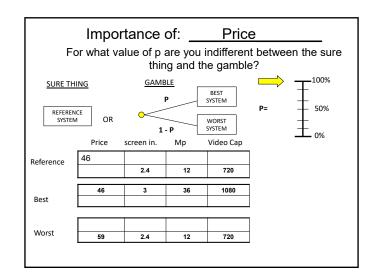


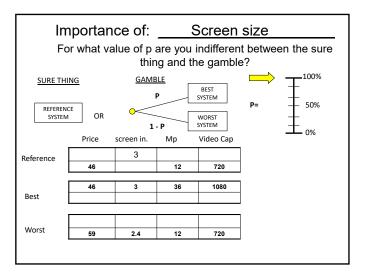


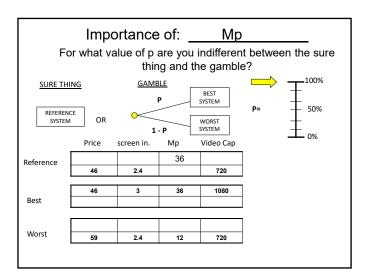
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Attribute	Price \$	Screen in.	Megapix mp	Vidcap xp
Best state	46	3	36	1080
Worst state	59	2.4	12	720
Order of importance				

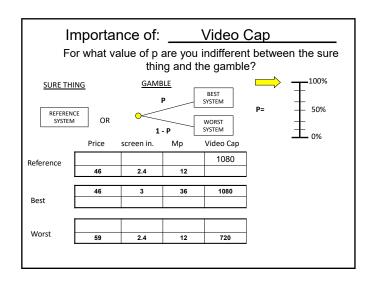






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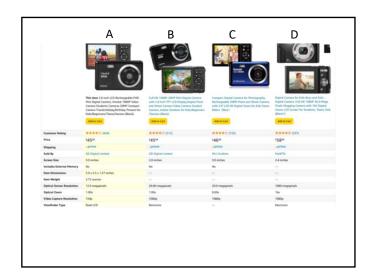


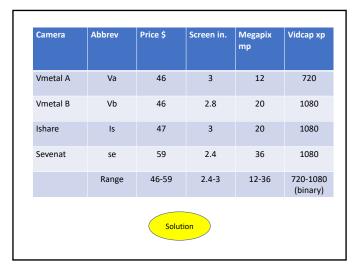
Now we have the value data from the decision maker.

The next step is to derive the utility functions in preparation for the calculations.

Next week, I will compute the multiattribute utility for each camera.

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