

Job Selection Using AHP

Modeling the problem:

1. List at least 4 different jobs/companies you could possibly work for. (one could be a job that you would not really want)
2. List at least 5 criteria that may influence your decision as to which job offer you would accept -- the list may include some or all of the following:
 - salary
 - potential for career advancement
3. Use <http://makeitrational.com/demo/decision-making-software> to build the model:
 - goal
 - criteria (objectives, subgoals)
 - alternatives (the jobs)
4. Evaluation:
 - use Pairwise importance when comparing between criteria (to arrive at your goal)
 - use Data for at least two criteria (when comparing between jobs)
 - one with larger numbers being better,
 - another with larger number being worse
 - use Pairwise preference for at least 2 criteria (when comparing between jobs)
 - for all pairwise comparisons, maintain a consistency ratio of 10% or better.

Analyzing the problem:

1. Use the **Distributive Synthesis** mode.
2. Export the report to a Word document.
3. Add a cover page to the beginning of the document
4. At the beginning of the document, write two paragraphs describing the problem and the technique you are using.
5. Write a paragraph that explains what each item in the document means (pertaining to the problem).
6. Sensitivity Analysis:
 - For each criterion, paste its sensitivity analysis chart into the Word document
 - Under each chart, write a paragraph explaining what you learn about your alternatives from this chart
7. Write at least one paragraph describing your conclusions, and WHY you will chose a particular alternative. Be specific in citing which reports and which sensitivity analysis charts helped you arrive at your decision.