Bauman's Inferno The Divine Comedy of Analysis Quality

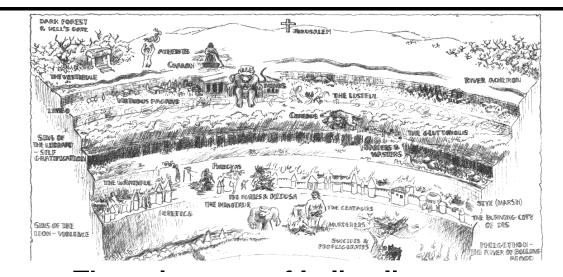


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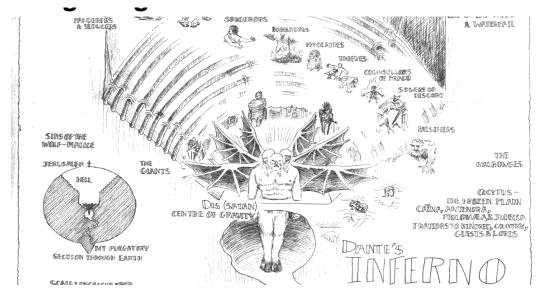
To again engage analysts about:

- The paramount importance of quality in our research and analysis, and
- What constitutes acceptable quality in our analysis.

Dante's Inferno



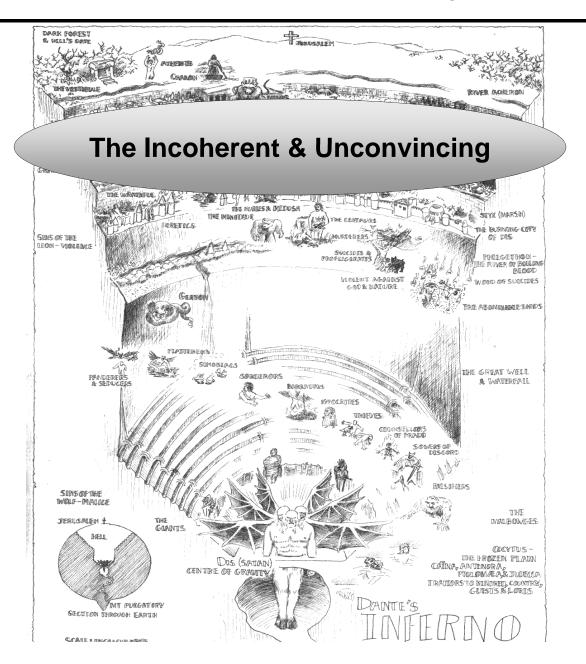
"Abandon all hope, ye who enter here."



Dante's Divine Comedy

 Hell is occupied by the unrepentant who did not pray for forgiveness before their death. The 9 circles are: 1st: Limbo, where the un-baptized and virtuous pagans grieve, but are not punished. 2nd: Lustful. 3rd: Gluttonsume 4th: Miserly hoarders, covetous. 5th: Wrathful (above River Styx) & slothful (below). 6th: Heretics. MONLACS. State State SARTERAR 7th: Violent. 8th: Fraudulent, those who deliberately do evil. 9th: Traitors, the most wicked of the fraudulent who betray others of a special relationship. • In each circle, the punishment fits the particular sin in a poetic justice envisioned by Dante

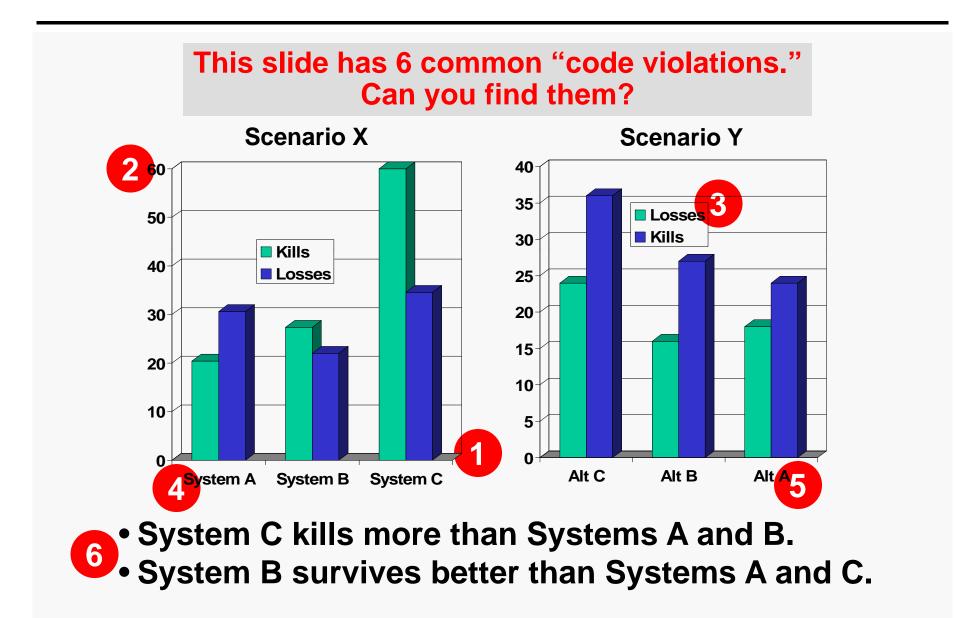
- Accept problem as stated or given.
- Yield to pressure to deliver "right answer."
- Desire to please with "right answer."
- Cut corners, e.g., due to press of time.
- Oversubscribe to your own research.
- Promote your own agenda.
- Avoid professional embarrassment.
- Just being lazy.

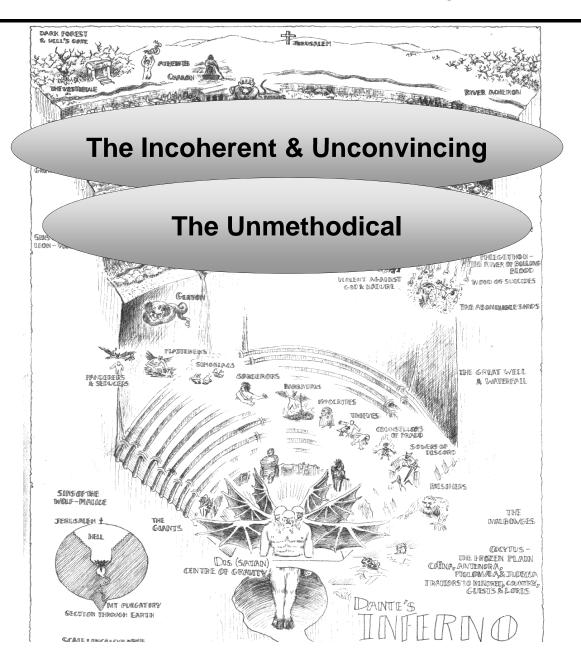


Communication

- First and foremost, effectively explain the "why" not just the "what" of your research and analysis. Say what it means.
- "Speak the language" of your target audience, whether oral or written.
 - For operations analysis, resonate with the warfighter, i.e., describe the operational significance of your work.
- Always tailor your product for the intended message.
 - First prepare outline of your product before creating it.
 - Do not rely exclusively on archived material.
- Use the spoken word to complement (not duplicate) slide content. Create and brief each slide accordingly.
 - Either emphasize (highlight) or amplify (explain further).
- Prepare talking points and rehearse, rehearse, rehearse!

Presentation "Code Violations"



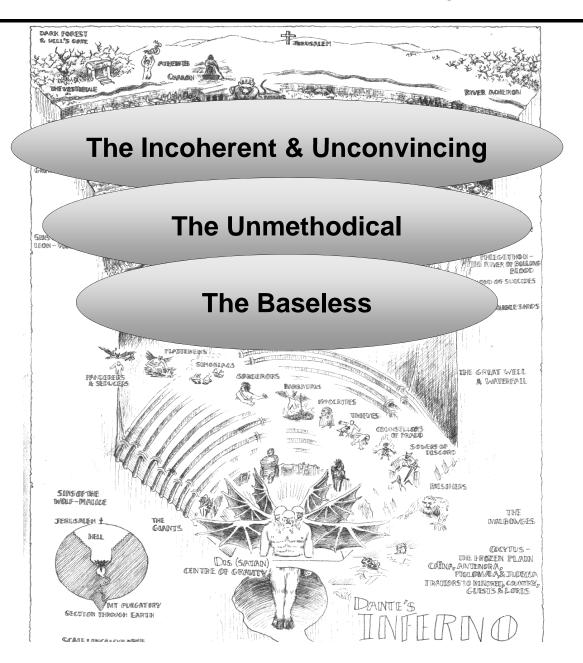


- First and foremost, nail down the real problem at hand and create and tailor a methodology that is most relevant and appropriate to it.
- Understand your constraints and limitations, and account for them in your methodology and assumptions.

– If possible, include testing of the key assumptions.

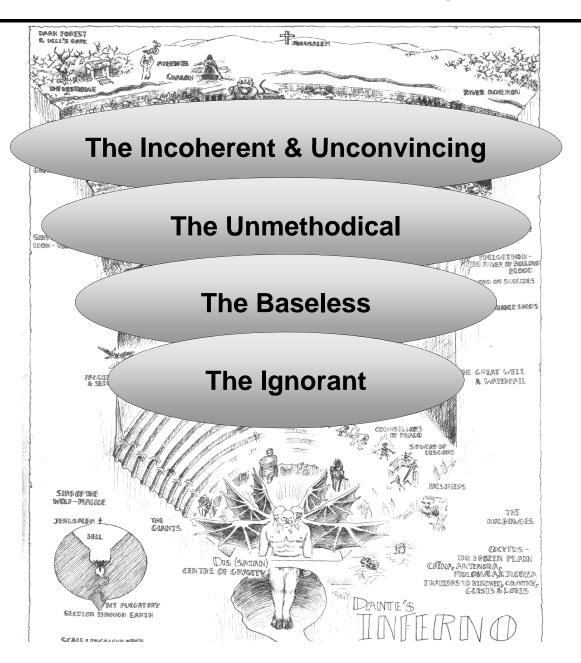
- Compose the methodology as a logical process made up of constituent components or sub-processes.
 - Identify the purpose, tasks, means and/or tools of each component.
 - Define the inputs and outputs of each component.
 - Apply project management techniques (PERT/CPM).

No amount of math can overcome an initial error in logic.



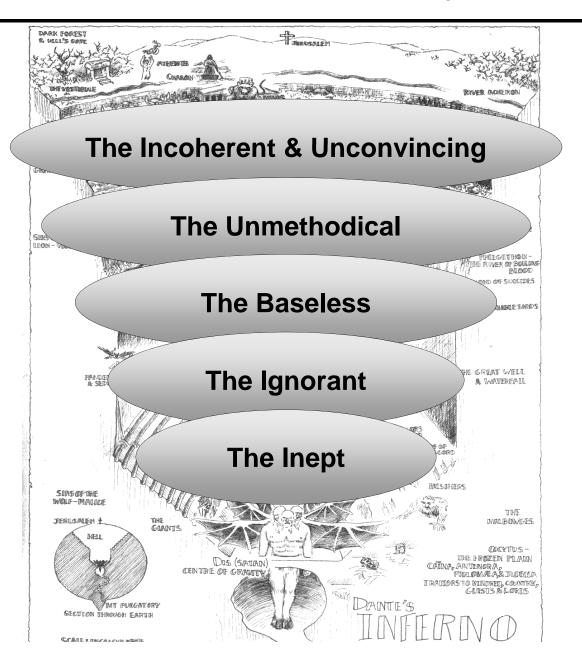
Teaming & Sourcing

- First and foremost, rely upon the most respected, trusted, incontestable authorities the "very best."
 - For participants (e.g., OR specialists, study team members, role players, gamers, senior reviewers).
 - For input (e.g., concepts, system descriptions, alternative definitions, technical and operational data, surveys).
- For each participant, identify their required knowledge, competencies, skills and/or experiences; then recruit and accept only qualified individuals.
- Use input only from legitimate authoritative sources.
- Reach outside your unit or agency to access the very best (after all, O.R. is built upon teaming).
- As necessary, engage your chain-of-command to get what you need: the very best participants and input.

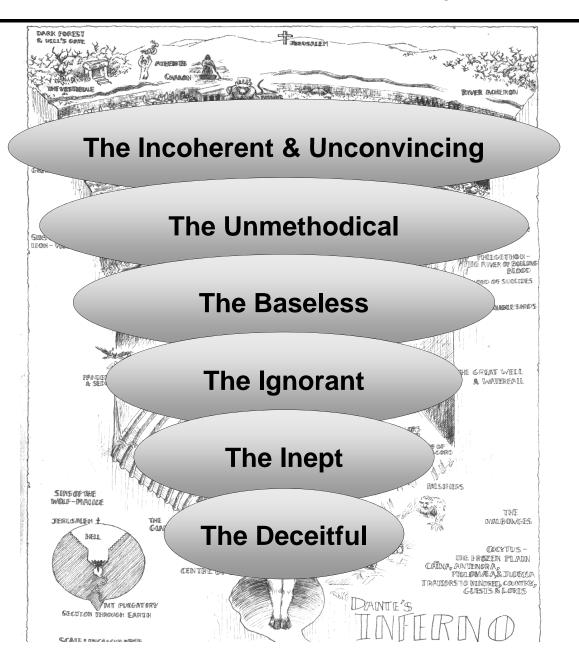


Problem Knowledge

- First and foremost, know and understand what you are analyzing.
- "Go to school" on the problem; learn every relevant thing about it and be able to field any question whether asked by ally, adversary or critic.
- Know everything about the constituent parts that make-up your analysis and their relationship to the problem and role in the methodology.
- Know the "players" and their roles and stakes.
- Based on your acquired knowledge, act with conviction.



- First and foremost, know and soundly apply the principles of scientific inquiry and operations research, and related disciplines.
- If you are not an expert on a particular O.R. technique, seek out those who are for advice and assistance.
- Be a life-long learner; stay abreast of new O.R. advances and techniques for potential use.
- Achieve and sustain the highest possible credentials.
- Select the "right" O.R. technique for the "right" class of problems, and apply it correctly.
- Be able to irrefutably defend what you plan to do or have done.
- Engage others with humility.



- Without question, the analyst's single greatest sin is the purposeful act of dishonesty and deception.
- To achieve integrity in our analysis, it must always be:
 - Conducted with objectivity and without bias.
 - Derived from the credible evidence at hand.
 - Reported honestly and forthrightly without fear of reprisal.
- Customer trust and confidence rests upon analytic integrity.
 - Revealing "constraints, limitations and assumptions" is important.
- Without integrity, the military analyst is a fraud who betrays the only Shareholders of our analysis: Our Nation's Soldiers, sailors, Marines and Airmen.

- The consequence of our analysis mission demands the highest possible quality in our products.
- Our continued relevance and reputation rests upon the quality of our research and analysis.
- Quality is learned; and achieved by doing, accepting feedback and criticism, and doing again.
- Our personal pursuit of quality never ends; it is a careerlong commitment.
- Each of us is personally responsible for the quality of our work.

- Quality is planned for and built-in as you work, not added after-the-fact by someone else.
- Like it or not, the customer is the ultimate judge of the quality of your work and products. And it is based on what you communicate or report to them.
- What constitutes quality is not an intangible or simply a personal opinion; acceptable quality is defined by standards and codes of best practice.
- Quality is the responsibility of each individual. If you produce something, anything, you are responsible for its quality.

