□-□ □ Rationale Critical Thinking: The Art of Reasoning Lecture 2 **Basic Grouping**

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Key Concepts

- Group
- Grouping principle
- Coherence
- Hierarchical Grouping
- Abstraction
- Level consistency

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Group

A group is a collection of items which belong together in some way.





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Groups can contain anything

- popular musicians
- beetles
- words
- principles
- ideas
- reasons
- etc.



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Grouping

- The activity of forming or specifying groups.
- Grouping involves:
 - identifying a suitable grouping principle
 - identifying the items which belong to the group thus defined, and
 - presenting the items in a clear and orderly way.
- Grouping can be done well or badly!

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Grouping Principle

- an explicit statement of the essence of the group, i.e., the sense or respect in which the items belong together roughly, completing the following: "A thing belongs to the group



member of the music group.



...dung beetle'

Grouping principles should be specified clearly and precisely

Coherent Groups

 A group should be well-thought-out and well-presented – i.e., coherent.



Borges describes a certain Chinese Encyclopedia, the Celestial Emporium of Benevolent Knowledge:

'...in which it is written that animals are divided into:

1. those that belong to the Emperor
2. embalmed animals,
3. those that are trained,
4. suckling pigs,
5. mermaids,
6. fabulous ones,
7. stray dogs,
8. those included in the present classification,
9. those that tremble as if they were mad,
10. innumerable ones,
11. those drawn with a very fine camelhair brush,
12. others,
13. those that have just broken a flower vase,
14. those that from a long way off look like flies.'

MECE
 "MECE" is one way of defining when a group is well-thought-out.
 "mutually exclusive, collectively exhaustive"
 Is this group MECE?
 No – it is not ME, since Ringo Starr and Richard Starkey are not distinct.
 No – it is not CE, since George Harrison is missing.

MECE at McKinsey

"MECE...is a sine qua non of the problem-solving process at McKinsey. MECE gets pounded into every new associate's head from the moment of entering the Firm. Every document (including internal memos), every presentation, every email and voice mail produced by a McKinsey-ite is supposed to be MECE. Ask any number of McKinsey alumni what they remember most about the way the Firm solves problems and they will tell you, "MECE, MECE."

Rasiel, E.M. The McKinsey Way.

McKinsey is one of the world's leading management consulting firms. The McKinsey Way is a book, by an ex-McKinsey person, about how McKinsey does its work.













