

Modal Encoding and Situational Dependency

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Overview

- Limited-Capacity Info Processing
- Associative Network Model
- Future study?
- Possible results



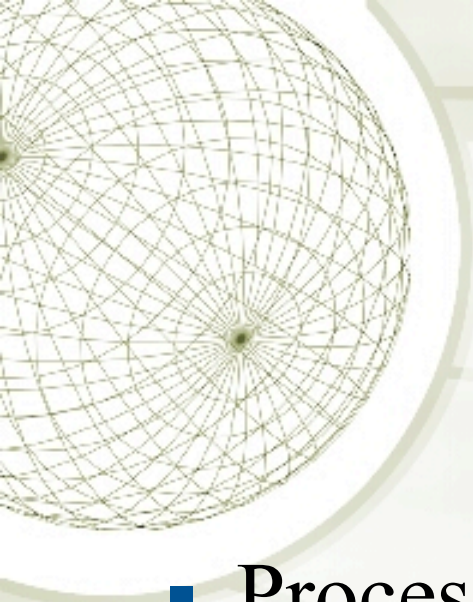
Limited-Capacity Information Processing

- Can process a limited amount of surroundings.
 - Encoding
 - Storage
 - Retrieval



Encoding

- Automatic
 - Relevant to needs or goals
 - Presents change or unexpected, novel stimulus
- Controlled
 - Reflects goals, but is conscious



Storage

- Process of linking the information encoded to past memories.



Retrieval

- The activation of links in memory



Associative Network Model

- Supports the concept of storage as linking of information.
- Suggests that increased links to an item will ensure better storage of the item.
- Suggests that increased links to an item will increase the ease in which that item is retrieved.
 - Better storage, better retrieval.



Bilingual advantage

- Having two languages equates a better encoding, and storage of language
- The advantage of bilingualism suggests that not only is language better stored, but creates other links more easily (abstract thought).



Modal Encoding

- Visual Encoding trumps Auditory Encoding
- *Defining Audio/Video Redundancy..
Annie Lang*



Research question?

- Do bilinguals show an encoding advantage in both visual and auditory compared to monolinguals.

A decorative graphic in the top-left corner consisting of a wireframe sphere with a grid of lines, partially enclosed by a white circular arc.

Measures in Recognition task

- Visual only
- Audio only
- Visual and Audio (control)



Possible Results

- There is no bilingual advantage when encoding media. The advantage is not generalizable.
- Bilinguals show advantage in auditory only. Advantage specific to language links.
- Bilinguals show advantage overall. Advantage is generalizable.