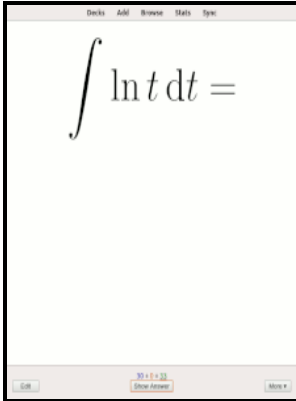# Active vs. passive visual search - which is more efficient?

University of Toronto Dept. of Computer Science - Active vision

Description: -
-
Astronomy -- Tables
Visual perception.
Vision.
Computer vision.Active vs. passive visual search - which is more efficient?
-
Göttinger Beiträge zur internationalen Übersetzungsforschung -- Bd. 8i
Technical reports on research in biological and computational vision at the University of Toronto -- RBCV-TR-90-34Active vs. passive visual search - which is more efficient?
Notes: Includes bibliographical references.
This edition was published in 1990

Filesize: 68.310 MB

Tags: #Active #vs. #Passive #Management #in #2020

Examining the effects of passive and active strategies on behavior during hybrid visual memory search: evidence from eye tracking

The means and sample SDs for both RT and accuracy are calculated for each cell, rather than for each condition, to prevent all conditions from having a mean of zero. As in experiment 1, block 2 data were analyzed using mean performance in block 1 uninstructed search as covariates to account for pre-existing differences in search performance between observers.

Active vs. Passive Voice: What's The Difference?

However, if we stop there we ignore what should be an obvious and fundamental element of the discussion — the various markets around the globe are unlikely to all be equally efficient.

Examining the effects of passive and active strategies on behavior during hybrid visual memory search: evidence from eye tracking

We predicted that if a passive strategy was naturally adopted i. Therefore, there seems to be an emphasis on highly effective information processing both when people perform hybrid search, and when they adopt passive strategies during search for fewer items.

Active/space

Regression analysis was conducted in order to determine how strategy instructions affected oculomotor behavior at the individual level. In experiment 1, our observers memorized a relatively large list of target categories, after which they searched for any instance of an item from any of those categories in displays populated with distracting non-targets i.

Active vision

Our results support this alternative hypothesis, indicating a tendency on the part of our participants to naturally utilize an active style during hybrid search. After one iteration of the memory test, the target categories reappeared and the procedure was repeated. The threshold of 80% accuracy was obtained from previous research using similar hybrid search paradigms Wolfe,.

Active vision

Active voice is for when a protester does? Significant main effects and interactions with strategy, from experiment 2, eye-trackings measures.

Sensor Planning for 3D Object Search

In experiment 2, we replicated experiment 1, and utilized eye tracking in order to provide richer, converging evidence of processing differences between active and passive hybrid search.

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