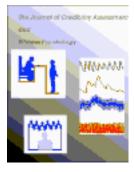
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Multimethod Assessment of Deception on Personnel Tests: Reading, Writing, and Response Time Measures

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Multimethod Assessment of Deception on Personnel Tests: Reading, Writing, and Response Time Measures

Experimental Design

	Item Presentation	
Guilt Condition	Serial	Parallel
Cash	n = 10	n = 10
Card	n = 10	n = 10
Innocent	n = 20	n = 20

Procedure

- Flyers posted around campus
- Interested students/staff called a secretary
- Preliminary instructions emailed
- Students came to a designated room
 - $\circ \quad \ \ {\rm Signed} \ a \ consent \ form$
 - Read instructions on a computer

The Experiment

- 2 guilty conditions, 1 innocent condition
 - 2 mock-crimes
 - Cash
 - Card
- 3 types of true/false items
 - o Neutral

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- "I was born prior to the year 1990."
- Cash "I was involved in the theft of the \$20."
- o Card
 - "I took nothing from the student's computer."

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Data Collection

Item Presentation

T F

3. I did not take the money that was in the secretary's purse.

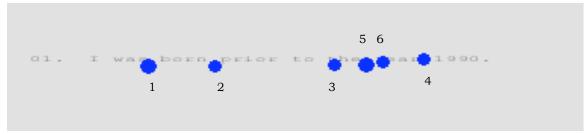
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Participants

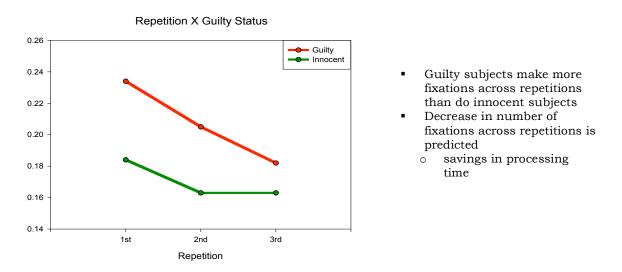
- 10 Cash, 9 Innocent
 9 famola 11 mole
- 8 female, 11 male
- Mean age: 22.32
- 78.9% Caucasian

Measures

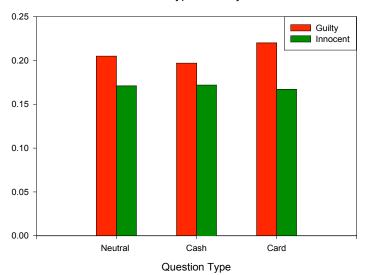
- Number of fixations
- First pass duration (time reading)
- Second pass duration (time rereading)



Results: Number of Fixations



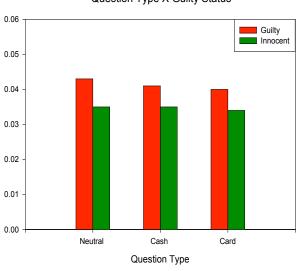
Results: Number of Fixations



Question Type X Guilty Status

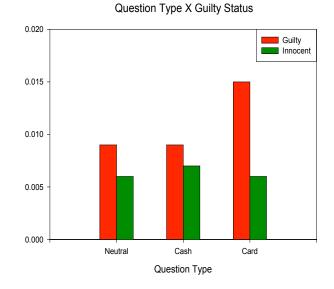
- Guilty subjects make more fixations across question types than do innocent subjects
- Guilty subjects make more fixations on the card items than on the other two types

Results: Reading and Rereading





Question Type X Guilty Status



Rereading

- Guilty subjects reread more than did innocent subjects
- Guilty subjects reread card items more than other items

Summary

• Traditional reading measures can be used to distinguish between guilty and innocent subjects

- Writing and response time measures
- Other eye movement measures
- Recruitment differences
- Motivation

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