**Estudios con Detección de Señales**

Adriana Felisa Chávez De la Peña

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Jaime

Mis papás

Sol, Max, Brandon

Laboratorio 25

Dr. Arturo Bouzas

Abstract

Parte I: Introduccion

Resúmen y perspectivas generales

Capítulo : Modelos en decisión perceptual

Psicofísica

Percepción y toma de decisiones

Teoría de Detección de Señales

Parte II: Aplicaciones de Teoría de Detección de Señales

Capitulo uno: Percepcion sensorial.

Capitulo tres: Memoria de reconocimiento.

Parte III: Mirror Effect

El efecto espejo es un fenómeno general, estudiado en memoria de reconocimiento.

“is usually interpreted in terms of (unequal variance) signal detection theory (SD) in which case it implies that the order of the underlying old item distributions mirrors the order of the new item distributions” (DeCarlo, L., 2007)

Teoría de Atención /Verosimilitud: Un modelo de marcaje de rasgos, determinado por un muestreo diferencial dada la condición (H-frequency, L-frequency)

Teoría de Atención / Verosimilitud; demasiado complicada, sus supuestos no son necesarios (Decarlo, 2007; Hintzman, 1994; Murdock, 1998) Intercambio de papers Hintzman-Glanzer

‘The mixture model’ (DeCarlo, 2007) – Extensión de la SDT, una extensión mezclada.

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Between vs Within condition discussion (Listas separadas o mezcladas)

Between condition: Problemas (1) No se puede descartar la posibilidad de que el criterio de respuesta difiera a lo largo de las condiciones. Y (2) las distribuciones subyacentes no necesariamente están escaladas de la misma forma a lo largo de las dos condiciones.

“one cannot compare the values of d’ across the two conditions without further assuming that the variance of the reference distributions (LN and HN) are the same, which does not appear to be the case.

(DeCarlo,2007)

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Capítulo : Ilusiones ópticas

Capítulo : Experimento.

Capítulo : Discusión

Capítulo : Conclusiones

Referencias

1. Bateson, M., Brilot, B., Nettle, D. (2011) Anxiety: An evolutionary approach. The Canadian Journal of Psychiatry. Vol 56(2); 707-715
2. DeCarlo, L. (2007). The mirror effect and Mixture Signal Detection Theory
3. Glanzer and Adams (1990)
4. Glanzer and Adams (1993)
5. Hildebrandt, T., McCrady, B., Epstein, E., Cook, S. & Jensen, N. (2010) When should clinicians switch treatments? An application of signal detection theory to two treatments for women with alcohol use disorders. Behaviour research and therapy. 48; 524-530
6. Jeroen, B., Smeets, J. & Brenner, E., (2008) Why we don’t mind to be inconsistent? Chapter 11 on Handbook of Cognitive Science: An embodied approach. By Calvo, P. and Gomila T.
7. Killen, P. (2014). Signal Detection Theory. In H. L. Miller (ed.), Encyclopedia of Theory in Psychology. Thousand Oaks, CA: Sage.
8. Lodewyckx, T. (s.a.) Tutorial on graphical models in Latex.
9. Lynn, S., Feldman, L. (2014) Utilizing Signal Detection Theory. Psychological Science. Vol 25 (9), 1663-1673.
10. Ma, W. (2012). Organizing probabilistic models of perception.
11. McNally, K., Schefft, B., Szaflarski, J., Howe, S., Yeh, H. & Privitera, M. (2009) Application of signal detection theory to verbal memory testing to distinguish patients with psychogenic nonepileptic seizures from patients with epileptic seizures. Epilepsy & Behavior. Vol 14; 597-603.
12. McNicol, D. (1972). A primer of Signal Detection Theory. Lawrence Erlbaum Associates, publishers.
13. Myung, I. (2003) Tutorial on Maximun Likelihood Estimation. Journal of mathematical psychology. Vol 47 (2003) 90-100.
14. Nesse, R., (2005) Natural selection and the regulation of defenses: A signal detection analysis of the smoke detector principle. Evolution and Human Behavior. Vol 26. 88-105.
15. Nevin, J. (1969) Signal Detection Theory and the Operant Behavior. Journal of the experimental analysis of behavior.
16. Sawchuk, C., Meunier, S., Lohr, J. & Westendorf, D. (2002) Fear, disgust and information processing in specific phobia: The application of signal detection theory. Anxiety disorders. Vol 16; 495-510.
17. Sunderland, M., Slade, T. & Andrews, G. (2012). Developing a short-form structured diagnostic interview for common mental disorders using signal detection theory .International Journal of Methods in Psychiatric Research. 21(4); 247-257.
18. Stanislaw, H., Todorov, N. (1999). Calculation of signal detection theory measurements. Behavior research methods, instruments & computers. 31 (1), 137-149.
19. Swets, J. (1973) The relative operating characteristic in Psychology. Science. V. 182, 990-1000.
20. Swets, J., Tanner, W. & Birdsall, T. (1961) Decission processes in perception. Psychological Review. 68, 301-340.
21. Tanner, W. & Birdsall, T. (1954). Adecision-making theory of visual detection. Psychological Review. 61.
22. Westermann, S., Lincoln, T. (2010) Using signal detection theory to test the impact of negative emoticon on sub-clinical paranoia. Journal of Behavior Therapy and Experimental Psychiatry. 42; 96-101.