



UvA-DARE (Digital Academic Repository)

How awareness changes the relative weights of evidence during human decision-making

de Lange, F.P.; van Gaal, S.; Lamme, V.A.F.; Dehaene, S.

DOI

[10.1371/journal.pbio.1001203](https://doi.org/10.1371/journal.pbio.1001203)

Publication date

2011

Document Version

Final published version

Published in

PLoS Biology

[Link to publication](#)

Citation for published version (APA):

de Lange, F. P., van Gaal, S., Lamme, V. A. F., & Dehaene, S. (2011). How awareness changes the relative weights of evidence during human decision-making. *PLoS Biology*, 9(11), e1001203. [e1001203]. <https://doi.org/10.1371/journal.pbio.1001203>

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

UvA-DARE is a service provided by the library of the University of Amsterdam (<https://dare.uva.nl>)

OPEN ACCESS PEER-REVIEWED

RESEARCH ARTICLE

8,053

VIEWS

2

CITATIONS

116

SAVES

6

SHARES

How Awareness Changes the Relative Weights of Evidence During Human Decision-Making

Floris P. de Lange , Simon van Gaal , Victor A. F. Lamme, Stanislas Dehaene

Published: Nov 22, 2011 • DOI: 10.1371/journal.pbio.1001203

Article	About the Authors	Metrics	Comments	Related Content
---------	-------------------	---------	----------	-----------------

[Download PDF](#)

[Print](#) [Share](#)

Reader Comments (0)

[Post a new comment](#) on this article

Formal Correction: Error in Results

Posted by [plosbiology](#) on 13 Mar 2013 at 22:07 GMT

In the fifth sentence of the third paragraph of the "Behavioral Markers of Evidence Accumulation Over Time" section of the Results, the relevant sentence should be: We observed a monotonically increasing impact of arrows on the decision as a function of time for HV stimuli ($T_{15}=3.74$, $p=0.002$), while this modulation of time was not significantly present for LV stimuli ($T_{15}=1.36$, $p=0.19$), leading to a significant interaction ($T_{15}=2.90$, $p=0.011$, Figure 1F).

No competing interests declared.

Citation: de Lange FP, van Gaal S, Lamme VAF, Dehaene S (2011) How Awareness Changes the Relative Weights of Evidence During Human Decision-Making. PLoS Biol: <http://dx.doi.org/10.1371/annotation/10373881-f9b9-4ca9-8121-3ea8b6fc0dc5>

report a concern

respond to this posting

Related PLOS Articles

[People Gather Only the Information They Need to Make Decisions](#)

Subject Areas

- [Priming \(psychology\)](#)
- [Reaction time](#)
- [Magnetoencephalog...](#)
- [Signal processing](#)
- [Behavior](#)
- [Decision making](#)
- [Signal filtering](#)
- [Cognition](#)

A Collection of
articles reflecting
a decade of
transforming
research
communication



Ambra 2.8.6 Managed Colocation provided
by **Internet Systems Consortium**.

[Privacy Policy](#) | [Terms of Use](#) | [Advertise](#) | [Media Inquiries](#)

Publications

[PLOS Biology](#)
[PLOS Medicine](#)
[PLOS Computational Biology](#)
[PLOS Currents](#)
[PLOS Genetics](#)
[PLOS Pathogens](#)
[PLOS ONE](#)
[PLOS Neglected Tropical Diseases](#)

[plos.org](#)

[Blogs](#)

[Collections](#)

[Send us feedback](#)