

## HERVÉ ABDI

School of Brain and Behavioral Sciences  
Program in Cognition and Neurosciences  
The University of Texas at Dallas  
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### Current Position

Full Professor with Tenure  
The University of Texas at Dallas  
School of Brain and Behavioral Sciences  
Program in Cognition and Neurosciences

### Educational History

Maîtrise de Psychologie (Master of Psychology): Université de Besançon, France, 1975.  
D.E.A. (Diplôme d'études approfondies)<sup>1</sup> "Marketing et Analyse des Comportements Socio-economiques" (Marketing and Analysis of Socio-economic Behaviors): Université de Clermont (Faculté des Sciences Economiques), France, 1976.  
D.E.A. (Diplôme d'études approfondies)<sup>1</sup> "Neurobiologie & Biologie du Comportement" (Neurobiology and Biology of Behavior): Université de Strasbourg (Louis Pasteur), France, 1977.  
Ph.D.: (Mathematical Psychology), Thesis: "Approches Pré-ordinales en Analyse des Données Psychologiques" (Weak-ordinal Data Analysis for Psychological Data), Université d'Aix-en-Provence, France, 1980.  
Docteur Habilité à Diriger les Recherches:<sup>2</sup> Université de Bourgogne (Memory and Mathematical Psychology), France, 1988

### Professional Experience

1979–83: Assistant Professor of Psychology: Université de Besançon.  
1983–88: Associate Professor of Psychology (Maître de Conférences): Université de Bourgogne.  
1986–87: Visiting Professor of Cognitive and Linguistic Sciences: Brown University.  
1988: Full Professor of Psychology, Université de Bourgogne.  
1989: Associate Professor, The University of Texas at Dallas.  
2001–2013: Adjunct Professor of Radiology, University of Texas Southwestern Medical Center at Dallas.  
1994– Full Professor, The University of Texas at Dallas.

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<sup>1</sup> "Diploma of Deep Studies," this is a research and course dependent degree between the Master's and the Ph.D. level.

<sup>2</sup> This title is conferred after the submission of an integrative summary of the candidate research done after the Ph.D and a defense in front of peers selected by the Faculty and by a National Committee. The title qualifies the candidate for promotion to rank of Full Professor.

## Research Interests

- face processing and computational models of face processing.
  - neural networks.
  - computational and statistical models of cognitive processes (especially memory and learning).
  - experimental design.
  - multivariate statistical analysis (including simple and multiple correspondence analysis, PLS regression, STATIS, multiple factor analysis, multi-block analyses, etc.).
  - statistical analysis of brain imaging data.
  - olfaction, smell, taste, flavor, etc.
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## Awards and Fellowships

- Fulbright scholar (1986-1987). Center for Cognitive Sciences, Brown University, Providence, R.I., U.S.A.
- EURIAS and Institute of Advanced Studies of Paris, Senior Fellowship (2014-2015). Institute of Advanced Studies of Paris (France).

## Achievements in Original Achievement, Investigation, and Research

**Books: 12, Edited Volumes: 12, Journal Articles: 146, Reviewed Chapters: 111, Proceedings: 37. Preprints: .**

**Current *h*-index: 88; current *i*-index: 205. Number of Citations 40,000+**

**Link to Google Scholar:**

**<https://scholar.google.com/citations?hl=en&user=Tyd1NtYAAAAJ>**

### Books

12. Abdi, H., & Beaton, D (in press, 2024). *Principal Component and Correspondence Analyses Using R*. New York: Springer Verlag.
11. Abdi, H., & Dzung, H.N. (2012). *Phân tích số liệu thực nghiệm (Experimental Data Analysis)*. Ho Chi Minh. (Vietnam): Vietnam National University & Ho Chi Minh City Publishing House.
7. Abdi, H., Edelman, B., Valentin, D., Dowling W.J. (2009). *Experimental Design and Analysis for Psychology*. Oxford: Oxford University Press.
8. Williams, L.J., Posamentier, M.T., Edelman, B.E., & Abdi, H. (2009). *SAS Companion for Experimental Design and Analysis for Psychology*. Oxford: Oxford University Press.
9. Williams, L.J., Krishnan, A., & Abdi, H. (2009). [\*\[R\] Companion for Experimental Design and Analysis for Psychology\*](#). Oxford: Oxford University Press.
10. Abdi, H, Williams, L.J., Edelman, B.E., Valentin, D., & Posamentier, M.T. (2010). [\*Exercises for Experimental Design and Analysis for Psychology\*](#). Oxford: Oxford University Press.
6. Abdi, H., & Valentin, D. (2006). *Mathématiques pour les Sciences Cognitives (Mathematics for Cognitive Science)*. Grenoble: Presses Universitaires de Grenoble.
5. Tiberghien, G., Abdi, H., Descles, J.P., Georgieff, N., Jeannerod, M., LeNy, J.F., Livet, P., Pynte, J., & Sabah, G. (2002). *Dictionnaire des Sciences Cognitives (A Cognitive Science Dictionary)*. Paris: Armand Colin.

4. Abdi, H., Valentin, D., & Edelman, B. (1999). *Neural Networks*. Newbury Park (CA, USA): Sage (Sage University Series).
3. Abdi, H. (1994). *Les Réseaux de Neurones*. Grenoble: Presses Universitaires de Grenoble.
2. Abdi, H. (1988). *Programmes de Calcul Apple II pour Accompagner "Introduction au Traitement Statistique des Données Expérimentales."* Grenoble: Presses Universitaires de Grenoble.
1. Abdi, H. (1987). *Introduction au Traitement Statistique des Données Expérimentales*. Grenoble: Presses Universitaires de Grenoble.

### Edited Books and Special Issues of Journals

12. Valentin, D., Chollet, S., Abdi, H., Thuy Xuan Phan, U., & Nguyen, D. Z. (Eds.). *From Concept to Market: Sensory Evaluation in Asia. Proceedings of SPISE 2020+2*. Summer Program in Sensory Evaluation. Hanoi (Vietnam). Press of the University of Hanoi. 2022.
11. Abdi, H., Esposito Vinzi, V., Russolillo, G., Saporta, G., & Trinchera, L. (Eds.) (2016). *The Multiple Facets of Partial Least Squares Methods*. New York: Springer Verlag.
10. Dzung, H.N., Valentin, D., Lê, T.M., Nguyen Lam, D.A., Chollet, S., & Abdi, H. (2016). [\*Taste and Try before you Fry: From Product Formulation to Consumer Experience\*](#). Proceedings of SPISE 2016. Ho Chi Minh (Vietnam): Vietnam National University & Ho Chi Minh City Publishing House.
9. Valentin, D., Chollet, S., Lê, S., Nguyen, D.H., & Abdi H. (2014). [\*From Senses to Quality: What Can Sensory Evaluation Bring to Quality Control\*](#). Proceedings of SPISE 2014. Ho Chi Minh (Vietnam): Vietnam National University & Ho Chi Minh City Publishing House.
8. Abdi, H., Chin, W., Esposito Vinzi, V., Russolillo, G., & Trinchera, L. (Eds.) (2013). *New Perspectives in Partial Least Squares and Related Methods*. New York: Springer Verlag.
7. Valentin, D., Pêcher, C., Nguyen, D.H., Chambers, D., & Abdi H. (2012). *Integrating Sensory Evaluation into Product Development: An Asian Perspective*. Proceedings of SPISE 2012. Ho Chi Minh (Vietnam): Vietnam National University & Ho Chi Minh City Publishing House
6. Abdi, H., Valentin, D., & Nguyen, D.H. (Eds) (2009). *Food Consumer Insights in Asia: Current Issues and Future*. Proceedings of SPISE 2009. Ho Chi Minh (Vietnam): Vietnam National University & Ho Chi Minh City Publishing House.
5. Valentin, D., Edelman, B., Abdi, H. (Eds) (1998). *Neural Networks Models for Face Processing*. Special issue of *Journal of Biological Systems*, **6(3)**.
4. Lories, G., & Abdi, H. (Eds) (1996). *Issues in Computational Modeling*. Special issue of *Psychologica Belgica*, **36(1)**.
3. Abdi, H., Valentin, D., Edelman, B., & O'Toole, A.J. (Eds) (1994). *Neural Networks and Biological Systems*. Special issue of *Journal of Biological Systems*, **2(4)**.
2. Fayol, M., Gombert, J.E., Abdi, H., Zagar, D. (Eds.) (1991). *La Production d'Écrits*. Dijon: C.R.D.P.
1. Fayol, M., Abdi, H., Gombert, J.E., & Zagar, D. (Eds.) (1988). *Le Langage: de la Recherche Fondamentale aux Applications Pratiques*. Dijon: C.R.D.P.

## Reviewed Articles

146. Yu, J.C., Gomez, C., Abdi, H., & Guillemot, V. (2023). Sparse MFA, sparse STATIS, and sparse DiSTATIS with applications to sensory evaluation. *Journal of Chemometrics*, *37*. (2023). Doi: 10.1002/cem.3443
145. Yu, J.-C., Sokolowski, H.M., Rao, K.S., Moraglia, L.E., Khoubrouy, S.A., Abdi, H., & Levine, H. (2023). Visualization of Latent Components Assessed in O\*Net Occupations (VOLCANO): A robust method for standardized conversion of occupational labels to ratio format. *Behavior Research Methods*, *55*.
144. Ravi, S, Bradshaw, A., Abdi, H., Meera S.S., Parish-Morris, J., Yankowitz, L., Paterson, S., Dager, S., Burrows, C.A., Chappell, C., St John, T., Estes, A.M., Piven, P., & Swanson, S. (2022). Are early social communication skills a harbinger for language development in infants later diagnosed autistic?—a longitudinal study using a standardized social communication assessment. *Frontiers in Communication (Section Language Sciences)*. Doi : 10.3389/fcomm.2022.977724
143. Krishnan, A., Yu, J.C., Miles, R., Beaton, D., Rabin, L., & Abdi, H. (2022). Multiblock Discriminant Correspondence Analysis: How to analyze group differences from structured categorical data. *Methods in Psychology*, *8*. Doi: g/10.1016/j.metip.2022.100100.
142. Schwarz, A.L., Jurica, M., Edge, C.M., Stiller, R., Webb-Culver, T., & Abdi, H. (2022). How do teachers of deaf prereaders communicating in American sign language select storybooks for read alouds. *The American Annals of the Deaf*, *167*, 457–488.
141. Mizener, B., van der Berghe, M., Abdi, H., & Chollet, S. (2022). Cognitive Music Listening Space: A Multivariate Approach. *Auditory Perception & Cognition*, *5*. Doi: 10.1080/25742442.2022.2036074.
140. Rieck, J.R., Baracchini, G., Nichol, D., Abdi, H., & Grady, C.L. (2021). Dataset of functional connectivity during cognitive control for an adult lifespan sample. *Data in Brief*, *39*, 107573 (1-15). doi: 10.1016/j.dib.2021.107573.
139. Rieck, J.R., Baracchini, G., Nichol, D., Abdi, H., & Grady, C.L. (2021). Reconfiguration and dedifferentiation of functional networks during cognitive control across the adult lifespan. *Neurobiology of Aging*, *106*, 80-94. doi: 10.1016/j.neurobiolaging.2021.03.019.
138. Fan, C.L, Abdi, H., & Levine, B. (2021). On the relationship between trait autobiographical episodic memory and spatial navigation. *Memory & Cognition*, *49*, 265–275. doi: <https://doi.org/10.3758/s13421-020-01093-7>
137. Taddese, B., Garnier, A., Abdi, H., Henrion, D. & Chabbert, M. (2020). Deciphering collaborative sidechain motions in proteins during molecular dynamics simulations. *Scientific Reports*, *10*, 15,901, 1-14. doi: <https://doi.org/10.1038/s41598-020-72766-1>
136. Diamond, N., Abdi, H., & Levine, B. (2020). Different patterns of recollection for matched real-world and laboratory-based episodes in younger and older adults. *Cognition*, *202*, doi: 104309.
135. Raman, R., Kriegsman, M., Abdi, H., Tillmann, B., & Dowling, W.J. (2020). Bach, Mozart, and Beethoven: Sorting piano excerpts based on perceived similarity using DiSTATIS *New Ideas in Psychology*, *57*, 1–15.
134. Jerger, S., Damian, M.F., Karl, C., & Abdi, H. (in press, 2020). Detection and attention for auditory, visual, and audiovisual speech in children with hearing loss. *Ear and Hearing*.
133. Rotem-Kohavi, N., Williams, Muller, A.M., Abdi, H., Virji-Babul, N., Bjornson, B.H., Brain, U., Werker, J.F., Grunau, R.F., Miller, S.P., & Oberlander, T.F. (2019). Hub distribution of the brain functional networks of newborns prenatally exposed to maternal depression and SSRI antidepressant. *Depression & Anxiety*, *36*, 753–765.
132. Lahne, J., Abdi, H., Collins, T., & Heymann, H. (2019). Bourbon and rye whiskeys are legally distinct but are not discriminated by sensory Descriptive Analysis. *Journal of Food Science*, *84*, 629–639.
131. Guillemot, V., Beaton, D., Gloaguen, A., Lofstedt, T., Levine, B., Raymond, N., Tenenhaus, A. & Abdi, H. (2019). A constrained singular value decomposition method that integrates sparsity and orthogonality. *PLoS One*, *14(1)*, 1–39.

130. Schwarz, A.L., Jurica, M., Matson, B.S., Stiller, R., Webb-Culver, T., & Abdi, H. (2019). Storybook selection criteria used by teachers of d/Deaf and hard-of-hearing prereaders communicating in English. *Deafness & Education International*, **21**, 1–36.
129. Manescu, S., Poupon, D., Ballester, J., Valentin, D., Abdi, H., Lepore, F., & Franelli, J. (2019). [Early-blind individuals show impaired performance in wine odor categorization](#). *Neuroscience*, **390**, 79–87.
128. Jerger, S., Damian, M.F., Karl, C., & Abdi, H. (2018). Developmental shifts in detection and attention for auditory, visual, and audiovisual speech. *Journal of Speech, Language, and Hearing Research*, **61**, 3095–3112.
127. Taddese, B., Deniaud, M., Garnier, A., Tiss, A., Guissouma, H., Abdi, H., Henrion, D., Chabbert, M. (2018). [Evolution of chemokine receptors is driven by mutations in the sodium binding site](#). *PLOS Molecular Biology*, **14(6)**, 1–7.
126. Alhazmi, F., Beaton, D., & Abdi, H. (2018). [Semantically defined subdomains of functional neuroimaging literature and their corresponding brain regions](#). *Human Brain Mapping*, **39**, 2764–2776.
125. Bougeard S., Abdi, H., Saporta, S., & Niang, N. (2018). Clusterwise analysis for multiblock component methods. *Advances in Data Analysis and Classification*, **12**, 285–313.
124. Jerger, S, Damian, M.F., McAlpine, R., & Abdi, H. (2018). Visual speech fills in both discrimination and identification of non-intact auditory speech in children. *Journal of Child Language*, **45**, 392–414.
123. Lahne, J., Abdi, H., & Heymann, H. (2018). Rapid sensory profiles with DISTATIS and barycentric text projection: An example with amari, bitter herbal liqueurs. *Food Quality and Preference*, **66**, 36–43.
122. Schwarz, A.L., Gonzales, M.D., Resendiz, M.D., Abdi, H. (2017). Reported book-sharing practices of Spanish-English speech-language pathologists who target academic language in preschoolers. *ECHO: Journal of the National Black Association for Speech-Language and Hearing*, **12**, 62–83.
121. Pelé, J., Taddese, B., Denlaud, M., Garnier, A., Hernien, D., Abdi, H., & Chabbert, M. (2017). Co-variation approaches to the evolution of protein families. *Advanced Techniques in Biology & Medicine*, **5**, 1–4.
120. ElBehi, M., Sanson, C., Bachelin, C., Guillot-Nöel, L., Fransson, J., Stankoff, B., Maillart, E., Sarrazin, N., Guillemot, V., Abdi, H., Rebeix, I., Fontaine, B., & Zujovic, V. (2017). Adaptive human immunity drives remyelination in a mouse model of demyelination. *Brain*, **140**, 967–980.
119. Armson, M.J., Abdi, H., & Levine, B. (2017). Bridging naturalistic and laboratory assessment of memory and aging: The Baycrest mask fit test. *Memory*, **25**, 999–1008.
118. Schwarz, A.L., van Kleeck, A., Maguire, M.J., & Abdi, H. (2017). Do acting out verbs with dolls and comparison learning between scenes boost toddlers' verb comprehension? *Journal of Child Language*, **44**, 719–733.
117. Jerger, S, Damian, M.F., Parra, R., & Abdi, H. (2017). Visual speech alters the discrimination and identification of non-intact auditory speech in children with hearing loss. *International Journal of Pediatric Otorhinolaryngology*, **94**, 127–137.
116. Jerger, S., Damian, M.F., Tye-Murray, N., & Abdi, H. (2017). Children perceive speech onsets by ear and eye. *Journal of Child Language*, **44**, 185–215.
115. Beaton, D., Dunlop, J., ADNI, & Abdi, H. (2016). Partial Least Squares-Correspondence Analysis: A framework to simultaneously analyze behavioral and genetic data. *Psychological Methods*, **21**, 621–651.
114. Jerger, S, Damian, M.F., Tye-Murray, N., & Abdi, H. (2016). Phonological priming in children with hearing loss: effect of speech mode, fidelity, and lexical status. *Ear and Hearing*, **37**, 623–633.
113. Connolly, A., Sha, L., Guntupalli, J.S., Oosterhof, N., Halchenko, Y., Nastase, S., di Oleggio Castello, M.V., Abdi, H., Jobst, B., Gobbini, M.I., & Haxby, J. (2016). How the human brain represents perceived dangerousness or “predacity” of animals. *Journal of NeuroScience*, **36**, 5373–5384.
112. Lelièvre-Desmas, M., Chollet, S., Abdi, H., & Valentin, D. (2015). Becoming a beer expert: Is simple exposure with feedback sufficient to learn beer categories? *Acta Psychologica*, **161**, 95–103.
111. St-Laurent, M., Abdi, H., & Buchsbaum, B. (2015). Distributed patterns of reactivation predict vividness of recollection. *Journal of Cognitive Neuroscience*, **27**, 2000–2018.
110. Schwarz, A.L., van Kleeck, A., Beaton, D., Horne, E., MacKenzie, H., & Abdi, H. (2015). A read-aloud storybook selection system for pre-readers at the preschool language level: a pilot study. *Journal of Speech, Language, and Hearing Research*, **58**, 1273–1291.

109. Sha, L., Haxby, J.V., Abdi, H., Guntupalli, J., Oosterhof, N., Halchenko, Y., & Connolly, A., (2015). The animacy continuum in the human ventral vision pathway. *Journal of Cognitive Neuroscience*, **26**, 665–678.
108. Ciaoli, C., Abdi, H., Beaton, D., Burnod, Y., & Masmoudi, S. (2014). Differences in human cortical gene expression match the temporal properties of large-scale functional networks. *PLoS One*, **9**(12), 1–28.
107. Beaton, B., Abdi, H., & Filbey, F. (2014). Unique Aspects of Impulsive Traits in Substance Use and Overeating: Specific Contributions of Common Assessments of Impulsivity. *The American Journal of Drug and Alcohol Abuse*, **40**, 463–475.
106. Jerger, S., Damian, M.F., Tye-Murray, N., & Abdi, H. (2014). Children Can Use Visual Speech to Compensate for Non-Intact Auditory Speech. *Journal of Experimental Child Psychology*, **126**, 295–312.
105. Pelé, J., Moreau, M., Abdi, H., Rodien, P., Castel, H., & Chabbert, M. (2014). Comparative analysis of sequence co-variation methods to mine evolutionary hubs: Examples from selected GPCR families. *PROTEINS: Structure, Function, and Bioinformatics*, **82**, 2141–2156.
104. St-Laurent M., Abdi, H., Bondad A., & Buschsbaum, B.R. (2014). Memory reactivation in healthy aging: evidence of stimulus-specific dedifferentiation. *Journal of Neuroscience*, **34**, 4175–4186.
103. Beaton, D., Chin Fatt C.R., & Abdi, H. (2014). An ExPosition of multivariate analysis with the Singular Value Decomposition in R. *Computational Statistics & Data Analysis*, **72**, 176–189.
102. Jerger, S., Tye-Murray, N., Damian, M.F., & Abdi, H. (2013). Effect of hearing loss on semantic access by auditory and audiovisual speech in children. *Ear and Hearing*, **34**, 753–762.
101. Abdi, H., Williams, L.J., & Valentin, D. (2013). Multiple factor analysis: Principal component analysis for multi-table and multi-block data sets. *Wiley Interdisciplinary Reviews: Computational Statistics*, **5**, 149–179.
100. Jerger, S., Damian, M.F., Mills, C., Bartlett, J., Tye-Murray, N., & Abdi, H. (2013). Effects of perceptual load on semantic access by speech in children. *Journal of Speech, Language, and Hearing Research*, **56**, 388–403.
99. Calley, C.S., Motes, M.A., Chiang, H.S., Buhl, V., Spence, J.S., Abdi, H., Anand, R., Maguire, M., Estevez, L., Rao, N., Briggs, R., Freeman, T., Kraut, M.A., & Hart, J. (2013). Threat as a feature in visual semantic object memory. *Human Brain Mapping*, **34**, 1946–1955.
98. Palombo, D., Williams, L.J., Abdi, H., & Levine, B. (2013). The survey of autobiographical memory (SAM): A novel measure of trait mnemonics in everyday life. *Cortex*, **49**, 1526–1540.
97. Abdi, H., Williams, L.J., Beaton, D., Posamentier, M., Harris, T.S., Krishnan, A., & Devous, M.D. (2012). Analysis of regional cerebral blood flow data to discriminate among Alzheimer’s disease, frontotemporal dementia, and elderly controls: A multi-block barycentric discriminant (MUBADA) methodology. *Journal of Alzheimer’s Disease*, **31**, s189–s201.
96. Pelé, J., Bécu, J.M., Abdi, H., & Chabbert, M. (2012). Bios2mds: an R package for comparing orthologous protein families by metric multidimensional scaling. *BMC Bioinformatics*, **13**, 133–140.
95. Buchsbaum, B.R., Lemire-Rodger, S., Fang, C., & Abdi, H. (2012). The neural basis of vivid memory is patterned on perception. *Journal of Cognitive Neuroscience*, **24**, 1867–1883.
94. Pinkham, A.E., Sasson, N.J., Beaton, D., Abdi, H., Kohler, C.G., & Penn, D.L. (2012). Qualitatively distinct factors contribute to elevated rates of paranoia in autism and schizophrenia. *Journal of Abnormal Psychology*, **121**, 767–777.
93. Valentin, D., Chollet, S., Lelièvre, M., & Abdi, H. (2012). Quick and dirty but still pretty good: A review of new descriptive methods in food science. *International Journal of Food Science and Technology*, **47**, 1563–1578.
92. Vick, J.C., Campbell, T.F., Shriberg, L.D., Green, J.R., Abdi, H., Rusiewicz, H.L., Venkatesh, L., & Moore, C.A. (2012). Distinct developmental profiles in typical speech development. *Journal of Neurophysiology*, **107**, 2285–2900.
91. Williams, L.J., Dunlop, J.P., & Abdi, H. (2012). Effect of age on the variability in the production of text-based global inferences. *PLoS One*, **7**(5): e36161. doi:10.1371/journal.pone.0036161 (pp. 1–9).
90. Abdi, H., Williams, L.J., Connolly, A.C., Gobbin, M.I., Dunlop, J.P., & Haxby, J.V. (2012). Multiple Subject Barycentric Discriminant Analysis (MUSUBADA): How to assign scans to categories without using

- spatial normalization. *Computational and Mathematical Methods in Medicine*, **2012**, 1–15.  
doi:10.1155/2012/634165.
89. Connolly, A., Guntupalli, J.S., Gors, G., Hanke, M., Halchenko, Y., Wu, Y.C., Abdi, H., & Haxby, J. (2012). Representation of biological classes in the human brain. *Journal of Neuroscience*, **32**, 2606–2618.
88. Churchill, N., Oder, A., Abdi, H., Tam, F., Lee, W., Thomas, C., Graham, S., & Strother, S. (2012). Optimizing correction of head motion and physiological noise in single-subject fMRI analyses: 1. Standard temporal-based methods. *Human Brain Mapping*, **33**, 609–627.
87. Wang, J.Y., Abdi, H., Bakhadirov, K., Diaz-Arrastia, R., & Devous, M.D. (2012). A comprehensive reliability assessment of quantitative diffusion tensor tractography. *NeuroImage*, **60**, 1127–1138.
86. Abdi, H., Williams, L.J., Valentin, D., & Bennani-Dosse, M. (2012). STATIS and DISTATIS: Optimum multi-table principal component analysis and three-way metric multidimensional scaling. *Wiley Interdisciplinary Reviews: Computational Statistics*, **5**, 124–167.
85. St-Laurent, M., Abdi, H., Burianová, H., & Grady, C.L. (2011). Influence of aging on the neural correlates of autobiographical, episodic, and semantic memory retrieval. *Journal of Cognitive Neuroscience*, **23**, 4150–4163.
84. Wang, J.Y., Bakhadirov, K., Abdi, H., McColl, R., Moore, C.M., Marquez de la Plata, C.D., Babcock, E., Madden, C.J., Diaz-Arrastia, R., & Devous, M., (2011). Longitudinal changes of structural connectivity in traumatic axonal injury. *Neurology*, **77**, 818–826.
83. Pelé, J., Abdi, H., Moreau, M., Thybert, D., & Chabbert, M. (2011). Multidimensional scaling reveals the main evolutionary pathways of class A G-protein-coupled receptors. *PLoS One*, **6**, 1-10, e19094.  
doi:10.1371 / journal. pone.0019094.
82. Chollet, S., Lelièvre, M., Abdi, H., & Valentin, D. (2011). Sort and Beer: What you always wanted to know about the sorting task but did not dare to ask. *Food Quality and Preference*, **22**, 507–520.
81. Krishnan, A., Williams, L.J., McIntosh, A.R., & Abdi, H. (2011). Partial Least Squares (PLS) methods for neuroimaging: A tutorial and review. *NeuroImage*, **56**, 455–475.
80. Coulon, M., Baudoin, C., Abdi, H., Heyman, Y., & Deputte, B. (2010). Social behavior and kin discrimination in a mixed group of cloned and non-cloned heifers (*Bos taurus*). *Theriogenology*, **74**, 1596–1603.
79. Santosa, M., Abdi, H., & Guinard, J.X. (2010) A modified sorting task to investigate consumer perceptions of extra virgin olive oil products. *Food Quality and Preference*, **21**, 881–892.
78. Williams, L.J., Abdi, H., French, R., & Orange, J.B., (2010). A tutorial on Multi-Block Discriminant Correspondence Analysis (MUDICA): A new method for analyzing discourse data from clinical populations. *Journal of Speech, Language, and Hearing Research*, **53**, 1371–1393.
77. Abdi, H., & Williams, L.J. (2010). Principal component analysis. *Wiley Interdisciplinary Reviews: Computational Statistics*, **2**, 433–459.
76. Abdi, H. (2010). Partial least squares (PLS) regression. *Wiley Interdisciplinary Reviews: Computational Statistics*, **2**, 97–106.
75. Ballester, J., Abdi, H., Langlois, J., Peyron, D., & Valentin, D. (2009). The odor of colors: Can wine experts and novices distinguish the odors of white, red, and rosé wines? *Chemosensory Perception*, **2**, 203–213.
74. Lelièvre, M., Chollet, S., Abdi, H., & Valentin, D. (2009). Beer experts and novices rely more on vision than on taste when they categorize beers. *Chemosensory Perception*, **2**, 143–153.
73. Abdi, H. (2009). Centroid, *Wiley Interdisciplinary Reviews: Computational Statistics*, **1**, 259–260.
72. Bartlett, J., Shastri, K., Abdi, H., & Neville-Smith, M., (2009). Component structure of individual differences in true and false recognition of faces. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, **35**, 1207–1230.
71. Otsuka, Y., Konishi, Y., Kanazawa, S., Yamaguchi, M.K., Abdi, H., & O'Toole, A.J., (2009). Recognition of moving and static faces by young infants. *Child Development*, **80**, 1250–1271.
70. Jerger S., Tye-Murray, N., & Abdi, H. (2009). Role of visual speech in phonological processing by children with hearing loss. *Journal of Speech, Language, and Hearing Research*, **52**, 412–434.
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