

# Pablo Gómez

## Curriculum Vitæ

545 Wesley  
Evanston, IL60202  
USA

☎ +1 (224) 548 0048  
✉ pgomez1dpu@gmail.com

### Education

#### Completed

- 2003 — **PhD. Cognitive Psychology**, Northwestern University, Evanston IL.
- 1999 — **M.S., Cognitive Psychology**, Northwestern University, Evanston IL.
- 1995 — **BS. Psychology**, National University of Mexico, Iztacala, Mexico.

#### Other training

- 2008 — **ERP Bootcamp**, University of California, Davis, Davis, CA.  
Intensive training on ERP technique organized and led by Dr Steven Luck.
- 2002 — **Preparing Future Faculty Fellowship**, Northwestern University, Evanston IL.

### PhD thesis

- Title *Explorations in the Lexical Decision Task: A Diffusion Model Account of the go/no-go Task and the Time Course of the Encoding of Letter Positions*
- Supervisor Prof. Roger Ratcliff

### Academic Appointments

#### Tenure-track

- 2020 — **Associate Professor**, California State University San Bernardino, Department of Psychology, Palm Desert, CA.
- 2009 — **Associate Professor**, DePaul University, Department of Psychology, Chicago, IL.
- 2002 — **Assistant Professor**, DePaul University, Department of Psychology, Chicago, IL.

#### Other appointments

- 2014 — **0, Visiting Scholar**, Universitat de Valencia, Valencia, Spain
- 2011 — **Visiting Scholar**, Basque Center for Brain and Language, Donostia, Basque Country.
- 2008 — **Visiting Scholar**, Northwestern University, Evanston IL.
- 1999 — **Adjunct Lecturer**, Northwestern University, Department of Psychology, Evanston, IL.

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## Funded Grants and Contracts

2013

**Major Research Initiative: Acquisition of a Neurophysiology Laboratory for a Research and Training Initiative in Affective, Social, and Cognitive Neuroscience**, *National Science Foundation*, DePaul University, \$394,312.

2009

**Associated investigator for Grant PSI2008-04069 to Dr Manuel Perea**, *Spanish Ministry of Science and Innovation*, Universitat de Valencia.

2014

**Convitat Grant**, *Universitat de Valencia*, Valencia, Spain.  
6000 Euros.

2005

2009

**Methodology, Measurement, and Statistics Program. A Cognitive Model of the IAT**, *National Science Foundation*, DePaul University, \$100,000.

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## Publications

### Papers

- Baciero, A., Perea, M., & Gomez, P. (2019). Touching your words: Why braille reading is special. *Ciencia Cognitiva: Revista Electrónica de Divulgación*, *13*(2).
- Marcet, A., Perea, M., Baciero, A., & Gomez, P. (2019). Can letter position encoding be modified by visual perceptual elements? *Quarterly Journal of Experimental Psychology*, *72*(6), 1344–1353.
- Perea, M., Marcet, A., Vergara-Martnez, M., & Gomez, P. (2019). On the limits of familiarity accounts in lexical decision: The case of repetition effects. *Quarterly Journal of Experimental Psychology*, 1747021819878385.
- Marcet, A., Perea, M., Baciero, A., & Gomez, P. (2018). Can letter position encoding be modified by visual perceptual elements? *Quarterly Journal of Experimental Psychology*, 1747021818789876.
- Perea, M., Marcet, A., Lozano, M., & Gomez, P. (2018). Is masked priming modulated by memory load? a test of the automaticity of masked identity priming in lexical decision. *Memory & cognition*, 1–9.
- Perea, M., Winkler, H., & Gomez, P. (2018). How orthographic-specific characteristics shape letter position coding: The case of thai script. *Psychonomic bulletin & review*, *25*(1), 416–422.
- Gomez, P., Anderson, A. R., & Baciero, A. (2017). Lessons for psychology laboratories from industrial laboratories. *Research Ethics*, *13*(3-4), 155–160.
- Perea, M., Devis, E., Marcet, A., & Gomez, P. (2016). Are go/no-go tasks preferable to two-choice tasks in response time experiments with older adults? *Journal of Cognitive Psychology*, *28*(2), 147–158.
- Perea, M., Jiménez, M., & Gomez, P. (2016). Does location uncertainty in letter position coding emerge because of literacy training? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *42*(6), 996.
- Perea, M., Marcet, A., & Gómez, P. (2016). How do scrabble players encode letter position during reading? *Psicothema*, *28*(1).
- Perea, M., Marcet, A., Vergara-Martnez, M., & Gomez, P. (2016). On the dissociation of word/nonword repetition effects in lexical decision: An evidence accumulation account. *Frontiers in psychology*, *7*.

- Perea, M., Marcet, A., Vergara, M., & Gomez, P. (2016). When repetition hinders performance: Inhibitory nonword repetition effects in lexical decision. *International Journal of Psychology, 51*, 814.
- Gomez, P., Ratcliff, R., & Childers, R. (2015). Pointing, looking at, and pressing keys: A diffusion model account of response modality. *Journal of Experimental Psychology: Human Perception and Performance.*
- Perea, M., Jiménez, M., & Gomez, P. (2015). Do young readers have fast access to abstract lexical representations? evidence from masked priming. *Journal of Experimental Child Psychology, 129*, 140–147.
- Perea, M., Jiménez, M., Martn-Suesta, M., & Gómez, P. (2015). Letter position coding across modalities: Braille and sighted reading of sentences with jumbled words. *Psychonomic Bulletin & review, 22*(2), 531–536.
- Perea, M., Vergara-Martnez, M., & Gomez, P. (2015). Resolving the locus of case alternation effects in visual word recognition: Evidence from masked priming. *Cognition, 142*, 39–43.
- Perea, M., Winskel, H., Mallouh, R. A., Barnes, L., & Gomez, P. (2015). In defense of position uncertainty a reply to duñabeitia, orihuela, and carreiras (2014). *Psychological Science, 26*(4), 545–547.
- Vergara-Martnez, M., Gómez, P., Jiménez, M., & Perea, M. (2015). Lexical enhancement during prime–target integration: Erp evidence from matched-case identity priming. *Cognitive, Affective, & Behavioral Neuroscience, 15*(2), 492–504.
- Gómez, P., & Perea, M. (2014). Decomposing encoding and decisional components in visual-word recognition: A diffusion model analysis. *The Quarterly Journal of Experimental Psychology, 67*(12), 2455–2466. doi:10.1080/17470218.2014.937447
- Mayor, J., Gomez, P., Chang, F., & Lupyan, G. (2014b). Connectionism coming of age: Legacy and future challenges. *Frontiers in psychology, 5*.
- Perea, M., Jiménez, M., & Gómez, P. (2014). A challenging dissociation in masked identity priming with the lexical decision task. *Acta psychologica, 148*, 130–135.
- Rouder, J. N., Province, J. M., Morey, R. D., Gomez, P., & Heathcote, A. (2014). The lognormal race: A cognitive-process model of choice and latency with desirable psychometric properties. *Psychometrika, 1–23*.
- Gomez, P., & Erber, R. (2013). Is selectivity an aphrodisiac? *Universitas Psychologica, 12*(SPE5), 1601–1607.
- Gomez, P., Perea, M., & Ratcliff, R. (2013). A diffusion model account of masked versus unmasked priming: Are they qualitatively different? *Journal of Experimental Psychology: Human Perception and Performance, 39*(6), 1731–1740.
- Vergara-Martnez, M., Perea, M., Gómez, P., & Swaab, T. Y. (2013). Erp correlates of letter identity and letter position are modulated by lexical frequency. *Brain and Language, 125*(1), 11–27.
- Gomez, P., & Adelman, J. (2012). Mathematical models of the lexical decision task. *Visual word recognition: Models and methods, orthography and phonology, 1*.
- Gomez, P., & Silins, S. (2012). Visual word recognition models should also be constrained by knowledge about the visual system. *Behavioral and Brain Sciences, 35*(05), 287–287.
- Perea, M., Garca-Chamorro, C., Martn-Suesta, M., & Gómez, P. (2012). Letter position coding across modalities: The case of braille readers. *PLoS one, 7*(10), e45636.
- Perea, M., & Gomez, P. (2012a). Increasing interletter spacing facilitates encoding of words. *Psychonomic Bulletin & Review, 1–7*.

- Perea, M., & Gomez, P. (2012b). Subtle increases in interletter spacing facilitate the encoding of words during normal reading. *PloS one*, 7(10), e47568.
- Perea, M., Palti, D., & Gomez, P. (2012). Associative priming effects with visible, transposed-letter nonwords: Jugde facilitates court. *Attention, Perception, & Psychophysics*, 1–8.
- Perea, M., Panadero, V., Moret-Tatay, C., & Gómez, P. (2012). The effects of inter-letter spacing in visual-word recognition: Evidence with young normal readers and developmental dyslexics. *Learning and Instruction*, 22(6), 420–430.
- Zimmerman, R., & Gomez, P. (2012). Drawing attention to primes increases inhibitory word priming effects. *The Mental Lexicon*, 7(2), 119–146.

#### Publications 2011 & Before

- Panadero, V., Perea, M., & Gomez, P. (2011). Un pequeno aumento en el espaciado entre letras favorece la lectura en niños disléxicos. *Ciencia Cognitiva*, 6:3, 51-53.
- Perea, M., Moret-Tatay, C., & Gomez, P. (2011). The effects of interletter spacing in visual-word recognition. *Acta Psychologica*, 137, 345-351
- Perea, M., & Gomez, P. (2010). Does LGHT prime DARK? Masked associative priming with addition neighbors. *Memory and Cognition*, 38, 513-518.
- Perea, M., Gomez, P., & Fraga, I. (2010). Masked nonword repetition effects in yes/no and go/no-go lexical decision: A test of the Evidence Accumulation and Deadline accounts. *Psychonomic Bulletin and Review*, 17, 369-374.
- Rouder, J. N., Tuerlinckx, F., Speckman, P., Lu, J. & Gomez, P. (2008). A hierarchical approach for fitting curves to response time measurements. *Psychonomic Bulletin and Review*, 15, 1201-1208.
- Gomez, P., Ratcliff, R., & Perea, M. (2008). The Overlap Model: A model of letter position coding. *Psychological Review*, 115, 577-601.
- Gomez, P., Shutter, J. & Rouder, J. (2008) Memory for canonical and noncanonical viewpoints. *Psychonomic Bulletin and Review*, 15, 940-944.
- Wagenmakers, E.-J., Ratcliff, R., Gomez, P., & McKoon, G. (2008). A diffusion model account of criterion manipulations in the lexical decision task. *Journal of Memory and Language*, 58, 140-159.
- Gomez, P., Ratcliff, R., & Perea, M. (2007). A model of the go/no-go task. *Journal of Experimental Psychology: General*, 136, 389-413.
- Gomez, P. (2006). Memory Models, from Global to Bayesian. *Revista de Electronica de Psicología Iztacala*, 9(1).
- Ratcliff, R., Thapar, A., Gomez, P., & McKoon, G. (2004). A diffusion model analysis of the effects of aging in the lexical decision task. *Psychology and Aging*, 19, 278-289.

Ratcliff, R., Gomez, P., & McKoon, G. (2004). A diffusion model account of the lexical decision task. *Psychological Review*, *111*, 159-182.

Wagenmakers, E.J., Ratcliff, R. Gomez, P., & Iverson, J. (2004). Assessing model mimicry using the parametric bootstrap. *Journal of Mathematical Psychology*, *45*, 28-50.

Rouder, J., & Gomez, P. A. (2001). Note on modeling serial position curves with temporal distinctiveness: A comment on Nairne, Neath, Serra, and Byun. *Memory*, *9*, 301-311.

Tirado, F. Fuentes, R., & Gomez, P. (1996). Learning by images or word labels: Potential applications for teaching history. *Revista Mexicana de Psicología*, *13*, 119-130.

Lara-Tapia, L., Gomez, P., & Fuentes, R. (1993). Sociocultural changes of concepts of abnegation in the Mexican family: A study related to social change. *Revista Mexicana de Psicología*, *10*, 29-35.

Lara-Tapia, L., Gomez, P., Fuentes, R. (1992). Sociocultural changes in concepts of obedience and respect in the Mexican family: A study related to social change. *Revista Mexicana de Psicología*, *9*, 21-26.

Lara-Tapia, L., & Gomez, P. (1991). Sociocultural changes in machismo and virginity in Mexico: A study related to social change. *Revista Mexicana de Psicología*, *8*, 17-32. 2

## ———— SCHOLARLY PAPERS PRESENTED [selected list]

Gomez, P., Breithaupt, J., Perea., (2014, November). On the limitations of survival functions. Talk presented at 23st Meeting of the Society for Computers in Psychology Meeting, Long Beach, CA.

Perea, M., Jimenez, M., Martin-Suesta, M., & Gomez, P. (2013, November). Reading sentences with jumbled words in a serial modality (Braille). Talk presented at 2013 Meeting of the Psychonomic Society, Toronto, ON

Gomez, P., Reyna, C. & Maimonis, N. (2013, November). Biasing the Decision Process in Perceptual and Conceptual Tasks. Poster presented at 2012 Meeting of the Psychonomic Society, Toronto, ON.

Gomez, & Zimmerman. (2012, November). *Delta-S plots*. Poster presented at 21st Meeting of the Society for Computers in Psychology Meeting, Minneapolis, MN.

Gomez, P., Perea, M., (2012, November). Response Method (Go/No-Go vs. Two-Choice) Interferes With Core Processes in Children. Talk presented at 2012 Meeting of the Psychonomic Society, Minneapolis, MN.

Vergara-Martinez, M., Perea, M., Gomez, P., & Swaab, T.Y. (2012, November). ERP Cor-

relates of Letter Position Assignment As a Function of Word-Frequency and Task Demands. Poster presented at 2012 Meeting of the Psychonomic Society, Minneapolis, MN.

Gomez, P., Cox, C., & Geller, J. (2011, November). *Modeling corrective saccades*. Poster presented at 41st Meeting of the Society for Computers in Psychology Meeting, Seattle, WA.

Zimmerman, R., Gomez, P., & Geller, J. (2011, September). *Related word primes alone do not inhibit target RTs in a masked prime LDT*. Talk presented at the 17th Meeting of the European society for Cognitive Psychology. San Sebastian, Spain.

Gomez, P., Perea, M., & Moret-Tatay, C. (2011, September) *Dissociating encoding and decisional components in visual-word recognition: A diffusion model account*. Talk presented at the 17th Meeting of the European society for Cognitive Psychology. San Sebastian, Spain.

Gomez, P., Perea, M., Zimmerman, R., & Biancardi, B. (2011, April). *There is no mirror effect in LDT. Implications for lexical decision models*. Talk presented at the 10th International symposium of psycholinguists. San Sebastian, Spain.

Gomez, P., Perea, M., Ratcliff, R. (2010, April). *An Overlap Model account of masked and unmasked priming*. ESCOP-EPS meeting, Granada, Spain.

Gomez, P., Rouder, J., & Pratte, M. (2010, June). *Delta plots in lexical Mental Lexicon research*. Talk presented at the 7th Mental Lexicon Meeting.

Zimmerman, R., Gomez, P. (2010, June). *Looking for the inhibitory effect in masked priming*. Poster presented at the 7th Mental Lexicon Meeting.

Gomez, P., Geller, J., & Zimmerman, R. (2010, November). *Pupil dilation correlates of masked priming*. Pre-psychonomics Lexical Processing Meeting, Stl Louis, MO.

Gomez, P., Geller, J (2010, November). *An R tool to analyze Pupil dilation*. Society for Computers in Psychology Meeting, Stl Louis, MO.

Cox, C. and Gomez, P. (2009, November). *Corrective Saccades and Viewpoint Information*. Poster presented at 2009 Meeting of the Psychonomic Society, Boston, MA.

Gomez, P., Perea, M., Ratcliff, R. (2009, September) *An Overlap Model account of perceptual matching and short term priming data*. Talk presented at the European Society of Cognitive Psychology, Krakow, Poland.

Gomez, P. (2009, August). *Modeling Fixation Locations in the Overlap Model of Letter Position Coding*. Talk presented at the Annual Meeting of the Society for Mathematical Psychology, Amsterdam, Netherlands.

Gomez, P., Reyna, C., Cox, C. (2009, August). *Modeling the IAT with the diffusion model*. Poster presented at the Annual Meeting of the Society for Mathematical Psychology, Amster-

dam, Netherlands.

Gomez, P. Virtue, S. (2009, April). *A model of the divided visual field lexical decision task*. Poster presented at the IX Simposio de Psicolingüística, Santiago de Compostela, Spain.

Rouder, J., Gomez, P., & Pratte, M. (2009, April). *Delta plots in lexical research*. Talk presented at the IX Simposio de Psicolingüística, Santiago de Compostela, Spain.

Gomez, P. Virtue, S. (2008, October). *A model of the divided visual field lexical decision task*. Poster presented at the Meeting of the Mental Lexicon, Banff, AB.

Gomez, P. (2008, February). Invited speaker to the colloquium of the University of Arkansas.

Gomez, P., Perea, M., Ratcliff, R. (2007, August). *Further developments in the Overlap Model*. Talk presented at the European Society of Cognitive Psychology, Marseille, France.

Gomez, P., Reyna, C., & Markunas, S. (2007, July). *A diffusion model account of the IAT*. Talk presented at EPS-Psychonomic Society Meeting, Edinburgh, Scotland

Gomez, P., & Hinojosa, T. (2007, April). *Learning non-adjacent dependencies in probabilistic languages and with syllables*. Talk presented at VIII Simposio de Psicolingüística, Mallorca, Spain.

Gomez, P. Shutter, J and Rouder, J. (2006, November). *Memory for object in canonical and non-canonical viewpoints*. Talk presented at 2006 Meeting of the Psychonomic Society, Houston, TX.

Gomez, P., Perea, M., Ratcliff, R. (2005, November). *Effects of repeated letters and lexical status in the overlap model*. Poster presented at 2005 Meeting of the Psychonomic Society, Toronto, ON.

Gomez, P. (2005, November). *Comparing Accumulation and Deadline Models of the LDT*. Talk presented at Fourth Tucson Lexical Processing Workshop (London version), London, ON.

Gomez, P. (2005, September). Invited speaker to the colloquium of the Universitat van Amsterdam.

Gomez, P., & Hinojosa, T. (2005, April). *A better method to measure implicit grammar learning*. Talk presented at VII Simposio de Psicolingüística, Valencia, Spain.

Gomez, P. and Hinojosa, T. (2005, March). *Implicit language learning*. Poster presented at the 6th International Symposium on Bilingualism, Barcelona, Spain.

Gomez, P. (2004, October). *A Model of the Encoding of Letter positions*. Cognitive Brownbag, University of Illinois, Chicago, IL.

Gomez, P., & Hinojosa, T. (2004, August). *A Simple Model of Encoding and Judgment about Non-Adjacent Dependencies*. Poster presented at the 26th Annual Meeting of the Cognitive Science Society, Chicago, IL.

Gomez, P., Perea, M., & Ratcliff, R. (2003, November). *The overlap model of the encoding of letter positions*. Poster presented at the 45th Annual Meeting of the Psychonomic Society, Vancouver, B.C., Canada.

Perea, M., Gomez, P., & Ratcliff, R. (2003, September). *A model of encoding letter positions: The overlap model*. Paper presented at the 12th congress of the European Society for Cognitive Psychology, Granada, Spain. 3

Gomez, P., Perea, M., & Ratcliff, R. (2003, August). *A model of the encoding of letter positions*. Paper presented at the 34th European Mathematical Psychology Group Meeting, Madrid, Spain.

Perea, M., Ratcliff, R., Gomez, P., & Forster, K. I. (2003, March). *Efectos de facilitacion asociativa y de repeticion en las distribuciones de los tiempos de reaccion: Una comparacion de "priming" enmascarado y no-enmascarado [Associative/repetition priming effects and response time distributions: A comparison of masked and unmasked priming]*. Poster presented at the VI Simposium de Psicolingüística, Barcelona, Spain.

Gomez, P., Ratcliff, R., & Perea, M., (2003, March). *Un modelo de la codificacion de la posicion de las letras en las palabras: El modelo de solapamiento [A model of encoding letter positions: the overlap model]*. Poster presented at the VI Simposium de Psicolingüística, Barcelona, Spain.

Wagenmakers, E. J., Ratcliff, R., Gomez, P., & McKoon, G. (2003, February). *A diffusion model for strategy effects in visual word recognition*. Talk presented at the 4th Tsukuba International Conference on Memory. Human Learning and Memory: Advances in Theory and Application, Tsukuba, Japan.

Perea, M., Gomez, P., & Ratcliff, R. (2002, November). *Modeling the go/no-go lexical decision task*. Paper presented at the Third Lexical Processing Workshop. Tucson, AZ.

Perea, M., Gomez, P., & Ratcliff, R. (2002, October). *Modeling the go/no-go lexical decision task*. Poster presented at the Third International Conference on the Mental Lexicon, Banff, Canada.

Gomez, P., Perea, M., & Ratcliff, R. (2002, July). *A model of the go/no-go lexical decision task*. Talk presented at the 35th Annual Meeting of the Society for Mathematical Psychology, Oxford, OH, USA.

Perea, M., Gomez, P., & Ratcliff, R. (2002, April). *El modelo de difusion en la tarea de decision lexica si-no y solo-si [The diffusion model in the yes/no and the go/no-go lexical decision task]*. Talk presented at the 4th meeting of the Sociedad Espanola de Psicologia Ex-



perimental (SEPEX). Oviedo, Spain.

Gomez, P., Perea, M., & Ratcliff, R. (2002, April). *Dinamica temporal de la activacion lexica en pseudopalabras [Time course of lexical activation in pseudowords]*. Talk presented at the 4th meeting of the Sociedad Espanola de Psicologia Experimental (SEPEX), Oviedo, Spain.

Ratcliff, R. Gomez, P., & McKoon, G. (2001, August). *A diffusion model account of lexical decision*. Talk presented at the 34th Meeting of the Society for Mathematical Psychology, Providence, RI. Gomez, P. (2001, January). New explorations in the lexical decision task. Psychfest 2001, Evanston, IL. Talk presented at

Loewenstein, J. Gomez, P., & Ward, G. (1998, February). *Preposing as a pragmatic clue for cognitive processing*. Talk presented at the Meeting of the Linguistic Society of America, New York, NY. 4

Gomez, P, Ratcliff, R., & McKoon, G. (1997, August). *Testing word recognition models with reaction time distributions*. Talk presented at the 30th Meeting of the Mathematical Psychology Society, Bloomington, IN.

## Awards and Recognitions

- 2017 **University-level Assessment Award**, DePaul University, Chicago IL.
- 2008 **Outstanding Honors Professor**, DePaul University, Chicago IL.
- 2007 **Nominated for Teaching Award**, DePaul University, Chicago IL.
- 1999 **Crowder Festschrift Travel Award**, Yale University.
- 1995 **Fulbright Fellowship**, Northwestern University.

## Service

### Selected committee work at DePaul University

- 2006 **Academic Integrity Borad**, DePaul University, Chicago, IL.
- 2014 **Member of the Assessment Committee**, College of Science and Health.
- 2005 **Member of the Institutional Review Board**, DePaul University.
- 2014 **Program director**, Psychological Science Area.
- 2015 **Chair**, Assessment committee of the Psychology Department.

### Other notable service

- 2017 **Associate Editor**, *Journal of Cognition*. *Journal of the European Society for Cognitive Psychology*.
- 2008 **Site visitor**, APA accreditation for clinical psychology programs.