

**Patrick Coulombe, Ph.D.**

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**ACADEMIC APPOINTMENTS**

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2016—Present      Assistant Professor, Educational Psychology, University of New Mexico

**EDUCATION**

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Ph.D. (2016)      Quantitative Psychology, University of New Mexico, NM, USA  
M.S. (2014)      Quantitative Psychology, University of New Mexico, NM, USA  
B.S. (2010)      Psychology, Université du Québec à Montréal, Québec, Canada

**PUBLICATIONS**

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– *Journal Articles*

- Vigil, J. M., **Coulombe, P.**, Rowell, L. N., Strenth, C. R., Kruger, E. S., Alcock, J., ..., LaMendola, J. (2017). The confounding effects of assessor ethnicity on subjective pain reporting in women. *The Open Anesthesiology Journal*, *11*, 1-11.
- Vigil, J. M., **Coulombe, P.**, Alcock, J., Stith, S. S., Kruger, E. S., & Cichowski, S. (2017). How nurse gender influences patient priority assignments in U.S. emergency departments. *Pain*, *158*, 377-382.
- Lowe, J. R., **Coulombe, P.**, Moss, N. C., Rieger, R. E., Aragón, C., MacLean, P. C., ..., Handal, A. J. (2016). Maternal touch and infant affect in the Still Face Paradigm: A cross-cultural examination. *Infant Behavior and Development*, *44*, 110-120.
- Vigil, J. M., **Coulombe, P.**, Alcock, J., Kruger, E. S., Stith, S. S., Strenth, C. R., ..., Cichowski, S. B. (2016). Patient ethnicity affects triage assessments and patient prioritization in U.S. Department of Veterans Affairs emergency departments. *Medicine*, *95*, e3191.
- Coulombe, P.**, Selig, J. P., & Delaney, H. D. (2016). Ignoring individual differences in times of assessment in growth curve modeling. *International Journal of Behavioral Development*, *40*, 76-86.

- Vigil, J. M., Alcock, J., **Coulombe, P.**, & Strenth, C. (2015). Emergency severity index scores differ by health provider's gender and patient's age. *The Open Anesthesiology Journal*, *9*, 17-22.
- Vigil, J. M., Alcock, J., **Coulombe, P.**, McPherson, L., Parshall, M., Murata, A., & Brislen, H. (2015). Ethnic disparities in Emergency Severity Index scores among U.S. Veterans Affairs emergency department patients. *PLoS One*, *10*, e0126792. doi:10.1371/journal.pone.0126792
- Vigil, J. M., DiDomenico, J., Strenth, C. R., **Coulombe, P.**, Kruger, E. S., Mueller, A. A., ..., Adams, I. (2015). Experimenter effects on pain reporting in women vary across the menstrual cycle. *International Journal of Endocrinology*, *2015*, 520719. doi:10.1155/2015/520719
- Vigil, J. M., Strenth, C. R., Mueller, A. A., DiDomenico, J., Beltran, D. G., **Coulombe, P.**, & Smith, J. E. (2015). The curse of curves: Sex differences in the associations between body shape and pain reporting. *Human Nature*, *26*, 235-254.
- Vigil, J. M., Pendleton, P., **Coulombe, P.**, Vowles, K. E., Alcock, J., & Smith, B. W. (2014). Pain patients and who they live with: A correlational study of co-residence patterns and pain interference. *Pain Research & Management*, *19*, e109-e114.
- Coulombe, P.**, Qualls, C., Kruszynski, R., Nerlich, A., Bianucci, R., Harris, R., ..., Appenzeller, O. (2012). Network science in Egyptology. *PLoS One*, *7*, e50382. doi:10.1371/journal.pone.0050382
- Vigil, J. M., & **Coulombe, P.** (2011). Biological sex and social setting affects pain intensity and observational coding of other people's pain behaviors. *Pain*, *152*, 2125-2130.

– **Book Chapters**

- Coulombe, P.**, Vigil, J. M., & Hernandez, E. (2016). Individual differences in health outcomes: Accounting for two sources of variation through cross-classified multilevel models. In E. Roberson (Ed.), *Psychology of individual differences: New research* (pp. 27-46). Hauppauge, NY: Nova Science.
- Coulombe, P.**, & Selig, J. P. (2015). Models of nonlinear growth. In R. A. Scott & S. M. Kosslyn (Eds.), *Emerging trends in the social and behavioral sciences*. Wiley.
- Vigil, J. M., **Coulombe, P.**, & Strenth, C. R. (2014). Sex differences in social cognition responses are associated with peer network structures and ethnic backgrounds. In S. R. Nasato (Ed.), *Advances in Social Cognition Research* (pp. 1-26). Hauppauge, NY: Nova Science.
- Vigil, J. M., **Coulombe, P.**, & Dukes, A. (2012). The epidemiology of sex differences in self-esteem: A test of two explanatory models. In N. Gotsiridze-Columbus (Ed.), *The psychology of self-esteem* (pp. 101-118). Hauppauge, NY: Nova Science.
- Vigil, J. M., Dukes, A., **Coulombe, P.** (2012). Biopsychosocial correlates of cortisol activity in children exposed to natural disasters. In N. Gotsiridze-Columbus (Ed.), *Cortisol: Physiology, regulation and health implications* (pp. 73-90). Hauppauge, NY: Nova Science.

– **Peer Commentary**

Vigil, J. M., Dukes, A., & **Coulombe, P.** (2012). Neuronal deactivation is equally important for understanding emotional processing. *Behavioral and Brain Sciences*, 35, 169-170.

Vigil, J. M., & **Coulombe, P.** (2012). Intra-regional assortative sociality may be better explained by social network dynamics rather than pathogen risk avoidance. *Behavioral and Brain Sciences*, 35, 96-97.

Vigil, J. M., & **Coulombe, P.** (2010). Embodied simulation and the search for meaning are not necessary for facial expression processing. *Behavioral and Brain Sciences*, 33, 461-463.

– *Conference Proceedings*

Lindell, R. S., **Coulombe, P.**, & Saul, J. (2016). Using a parachute course to retain students in introductory physics courses. In D. L. Jones, L. Ding, & A. Traxler (Eds.), 2016 Physics Education Research Conference (PERC) Proceedings (pp. 200-203). doi:10.1119/perc.2016.pr.045

– *Research Reports*

**Coulombe, P.**, Peebles, P., & McClain, C. (2012). *Post-group interviews with participants of the Reflejos Familiares parenting group* (Research Report). Center for Development and Disability, University of New Mexico.

## INVITED TALKS & WORKSHOPS

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Selig, J. P., & **Coulombe, P.** (2016, June 6-10). *Multilevel Modeling: Foundations and Applications*. 14<sup>th</sup> Annual Stats Camp, Albuquerque, NM.

**Coulombe, P.** (2016, April). *Investigating change over time in longitudinal studies with time-unstructured data*. Benjamin F. Haught Distinguished Lecture Award, University of New Mexico, Albuquerque, NM.

Selig, J. P., & **Coulombe, P.** (2015, June 1-5). *Multilevel Modeling: Foundations and Applications*. 13<sup>th</sup> Annual Stats Camp, Dallas, TX.

**Coulombe, P.** (2013, June). *Multilevel modeling in Mplus: A latent-variable approach*. Invited presentation, 11<sup>th</sup> Annual Stats Camp, Lawrence, KS.

## PRESENTATIONS

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– *Talks*

Saul, J., **Coulombe, P.**, & Lindell, R. (2017, January). Reducing the failure rate in introductory physics classes. American Physical Society (APS) April Meeting 2017, Washington, DC.

Schroeder, T., Morris-Dueer, V., & **Coulombe, P.** (2014, February). *Stop, Switch, or Stay: Research into STEM persistence at the University of New Mexico*. New Mexico Higher Education Assessment and Retention Conference, Albuquerque, NM.

**Coulombe, P.** (2012, February). *Running your study online: Going beyond questionnaires*. PAL Talk, University of New Mexico, Albuquerque, NM.

**Coulombe, P.**, Doyon, J., Cossette, M., & Hess, U. (2010, March). *Influence de l'expression d'irritation authentique sur la perception du service à la clientèle et de l'employé* [Influence of expression of authentic irritation on the perception of customer service and employee]. Honors Theses Colloquium of the Université du Québec à Montréal. Montréal, Québec, Canada.

– *Posters*

Aragón, C., Lowe, J. R., **Coulombe, P.**, Moss, N., Rieger, R., MacLean, P. C., . . . , Handal, A. J. (2016, May). *Maternal touch and infant affect in the Still Face Paradigm: A cross-cultural examination*. Poster session presented at the International Conference on Infant Studies, New Orleans, LA.

Moss, N. C., Novak, D. L., Rieger, R. E., **Coulombe, P.**, Fuller, J., Erickson, S., & Lowe, J. R. (2016, February). *Parenting quality and neurocognitive outcomes in children born term and preterm*. Poster session presented at the annual meeting of the International Neuropsychological Society, Boston, MA.

Strenth, C., DiDomenico, J., **Coulombe, P.**, Kruger, E., Mueller, A. A., Beltran, D. G., Adams, I., & Vigil, J. M. (2015, May). *Experimenter effects on pain reporting in women vary across the menstrual cycle*. Poster session presented at the annual meeting of the Human Behavior and Evolution Society, Columbia, MO.

Vicuna, B., Delaney, H. D., Emmanuel, G. R., & **Coulombe, P.** (2014, May). *The impact of social forces on subjective health 1972-2012: The rise and fall of Latino health*. Poster session presented at the annual meeting of the Association for Psychological Science, San Francisco, CA.

**Coulombe, P.**, MacLean, P. C., Iglesias, Y., Peebles, P., LaNoue, M., Hsi., A., & Moriarta, M. (2012, September). *Preliminary outcomes of the AIA-funded Reflejos Familiares Project: A qualitative examination of our parenting group*. Poster session presented at the Strengthening Connection Conference, Austin, TX.

Hsi, A., Moriarta, M., MacLean, P. C., Peebles, P., LaNoue, M., Iglesias, Y., **Coulombe, P.**, & Rodriguez, S. (2012, September). *Reflejos Familiares: A relationship-based, comprehensive support service for families affected by substance abuse*. Poster session presented at the Strengthening Connection Conference, Austin, TX.

**Coulombe, P.** (2012, April). *Online research: Advantages, disadvantages, and how to*. Poster session presented at the 7th Annual Psychology Research Day, University of New Mexico, Albuquerque, NM.

**Coulombe, P.**, & Vigil, J. M. (2011, March). *Sex-typical social network dynamics are associated with facial expression processing*. Poster session presented at the 6th Annual Psychology Research Day, University of New Mexico, Albuquerque, NM.

**Coulombe, P.**, Doyon, J., Cossette, M., & Hess, U. (2011, January). *When irritation does the job: Video simulation of a customer service interaction that goes awry*. Poster session presented at the annual meeting of the Society for Personality and Social Psychology, San Antonio, Texas. (received Travel Award)

**Coulombe, P.**, Doyon, J., Cossette, M., & Hess, U. (2010, March). *Le sourire à tout prix? Impact de l'expression d'irritation authentique en service à la clientèle* [A smile at all costs? Impact of expression of authentic irritation in customer service]. Poster session presented at the annual meeting of the Société Québécoise pour la Recherche en Psychologie, Montréal, Québec, Canada.

### STATISTICAL WORK ON GRANT-FUNDED PROJECTS

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09/2016—06/2017 **Institute for Professional Development, University of New Mexico**  
**Project: Implementation of the New Mexico Three-Tiered Licensure System**  
*Funding agency: New Mexico Public Education Department, \$1.19M*

02/2014—09/2015 **US Department of Veterans Affairs, New Mexico VA Health Care System**  
**Project: Contextual Factors and Pain Perception**  
*Funding agency: National Institutes of Health (NIH), \$12.6k*

05/2012—12/2014 **STEM Gateway Program**  
*Funding agency: US Department of Education, \$3.82M*

08/2011—10/2012 **Reflejos Familiares Project, Center for Development and Disability, UNM**  
*Funding agency: US Department of Health and Human Services, \$475k*

### CONSULTING PROJECTS

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- ❖ Online submission system for abstracts for the 24<sup>th</sup> Human Behavior and Evolution Society (HBES) conference, 2012 (Supervisor: Steven W. Gangestad, Ph.D., Dept. of Psychology, UNM)
- ❖ Statistical analyses for eBook “Do us part? An exploration of long term marriages that end” (Trish Peebles, Ph.D., 2015; Amazon: <http://amzn.com/B00S6PRJ5A>)
- ❖ Methodological and statistical consulting for multiple master’s theses and doctoral dissertations

### TEACHING

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**Instructor** (U = Undergraduate course, G = Graduate course)

08/2016—12/2016 EDPY511(G) Introductory Educational Statistics

08/2015—05/2017 EDPY603(G) Applied Statistical Design & Analysis

06/2015—07/2015 PSY302(U) Psychology Research Techniques

06/2014—05/2015 PSY200(U) Statistical Principles

**Teaching Assistant** (*U = Undergraduate course, G = Graduate course*)

01/2015—05/2015 PSY650(G) Structural Equation Modeling

01/2012—05/2012 PSY504L(G) Design & Analysis of Experiments Lab

08/2011—12/2011 PSY503L(G) Advanced Statistics Lab

08/2010—05/2011 PSY231(U) Psychology of Human Sexuality

**Tutoring**

08/2013—05/2014 Statistics Tutor, Educational Psychology, University of New Mexico

**FUNDING & AWARDS**

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- 2016 Benjamin F. Haught Distinguished Lecture Award (Department of Psychology, UNM)
- 2016 Best Graduate Student Teacher (Department of Psychology, UNM)
- 2015 Most Publications in 2015 (Department of Psychology, UNM)
- 2015 Highest Student Evaluations for Large (>100) Class (Department of Psychology, UNM)
- 2015 Best First-Authored Experimental Paper (Department of Psychology, UNM)
- 2015 Best Graduate Student Teacher (2nd place; Department of Psychology, UNM)
- 2014 Best Experimental Master's Thesis (Department of Psychology, UNM)
- 2012 Travel Award (Center for Development and Disability, UNM)
- 2011 Travel Award (Society for Personality and Social Psychology)
- 2010 Doctoral Fellowship (Social Sciences and Humanities Research Council of Canada [SSHRC], *Declined*)
- 2010 Adrien-Pinard Scholarship (Department of Psychology, Université du Québec à Montréal)
- 2008, 2009 Caisse des Écoliers Scholarship (Université du Québec à Montréal)
- 2007 Entrance Scholarship (Department of Psychology, Université du Québec à Montréal)
- 2007 RONA Recruiting Scholarship (Université du Québec à Montréal)

**PROFESSIONAL SERVICE**

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Ad Hoc Reviewer—*European Journal of Psychological Assessment*

Ad Hoc Reviewer—*International Journal of Behavioral Development*

Ad Hoc Reviewer—*Methodology*

Ad Hoc Reviewer—*Journal of Studies on Alcohol and Drugs*

**PROFESSIONAL AFFILIATIONS**

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American Psychological Association, Division 5: *Evaluation, Measurement, & Statistics*  
Psychometric Society  
American Statistical Association

**REFERENCES**

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**Harold D. Delaney, Ph.D., Professor Emeritus**

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Department of Biostatistics  
University of Arkansas for Medical Sciences  
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