

# Ian James Douglas, M.S.

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## EDUCATION

- 2025 (expected)** Ph.D., Psychology, The University of Texas–Austin  
**2020** M.S., Applied Statistics, Columbia University  
**2015** B.S., Psychology, Trinity College, Hartford, Connecticut

## HONORS, AWARDS, & FELLOWSHIPS

- 2021** Emma Clark Research Fellowship, UT -- Austin  
**2020** PGSA Officers Fellowship, UT -- Austin  
**2014 & 2015** Faculty Honors, Trinity College  
**2014 - 2015** Levy Research Grant, Department of Urban Studies

## PUBLICATIONS

- Nikolaidis, A., Heleniak, C., Fields, A., Bloom, P. A., VanTieghem, M., Vannucci, A., Camacho, N. L., Choy, T., Gibson, L., Harmon, C., Hadis, S. S., **Douglas, I. J.**, Milham, M. P., & Tottenham, N. (2022). Heterogeneity in caregiving-related early adversity: Creating stable dimensions and subtypes. *Development and Psychopathology*, 1-14.
- Porter, B. M., **Douglas, I. J.**, Larginho, T. L., Aristizabal, M., Mitchell, M. E., Roe, M. A., & Church, J. A. (2021). Examination of pre-pandemic measures on youth well-being during early stages of the COVID-19 pandemic. *Biological psychiatry global open science*, 1(4), 252-260.
- Bloom, P. A., **Douglas, I. J.**, VanTieghem, M., Tottenham, N., & Callaghan, B. (2021). *Using Gastrointestinal Distress Reports to Predict Youth Anxiety Risk: Implications for Mental Health Literacy and Community Care*. *Developmental Psychobiology*. <http://doi.org/10.1002/dev.22126>
- Bachelor's thesis: **Douglas, I.** What Makes Life Meaningful? A Study of Urban Youth and the Relationship between Prosocial Tendencies, Civic Engagement, and Purpose in Life". Senior Theses, Trinity College, Hartford, CT 2015. Trinity College Digital Repository, <http://digitalrepository.trincoll.edu/theses/466>
- **Cited in (5):** Balgiu (2019); Xiao et al. (2019); Sharma et al. (2018); Kawai & Moran (2017); Yang et al. (2016).

## PRESENTATIONS & POSTERS

- Douglas, I.J.**, Porter, B.M., Larginho, T.L., Aristizabal, M., Mitchell, M.E., Roe, M.A., & Church, J.A. (September, 2021). Developmental and Demographic Correlates of Behavioral Responses and Coping Strategies during the COVID-19 Pandemic. 2021 Flux Congress.
- Porter, B.M., **Douglas, I.**, Larginho, T., Aristizabal, M., Church, J.A., (September 2021). Pre-pandemic mental health matters: an examination of youth well-being during early stages of the COVID-19 pandemic. Flux 2021 Congress
- Douglas, I.** (May, 2021). Structural and functional connectivity underlying information integration in the brain: cases of reading & social cognition. Cognitive Neuroscience Area Seminar, Dept. of Psychology, University of Texas at Austin.

- Porter, B.M., **Douglas, I.** (April, 2021). Examination of Pre-Pandemic Measures on Youth Well-Being During Early Stages of the COVID-19 Pandemic. Developmental Area Seminar, Dept. of Psychology, University of Texas at Austin.
- Porter, B.M., **Douglas, I.J.**, Larguinho, T., Aristizabal, M., Church, J.A., (November 2020). Impacts of the COVID-19 Pandemic on Mental Health in Youth and Their Families. Poster presented at the UT Austin virtual COVID-19 Conference.
- Fields, A., Bloom, P.A., Tachida, A., Vannucci, A., **Douglas, I.**, Camacho, N., Gibson, L., Hadis, S., Choy, T., Heleniak, C., and Tottenham, N. (April, 2021). Generalization of learned fear and associated neurobiology in children exposed to early caregiving adversity. Flash talk presented at the Society for Research in Child Development Biennial Meeting, Virtual.
- Vannucci, A., **Douglas, I.**, Fields, A., Nikolaides, A., DeRosa, J., Heleniak, C., Bloom, P.A., Hadis, S., vanTieghem, M., Gibson, L., Camacho, N., Choy, T., Milham, M., & Tottenham, N. (October, 2020). Identifying specific attributes of early caregiving adversities that predict heterogeneity in dimensions of child psychopathology. International Society for Developmental Psychobiology, Virtual.
- Vannucci, A., **Douglas, I.**, Fields, A., Nikolaides, A., Heleniak, C., Bloom, P.A., vanTieghem, M., Gibson, L., Hadis, S., Camacho, N., Choy, T., Milham, M., & Tottenham, N. (September, 2020). Characterizing heterogeneity in psychopathology among children exposed to early caregiving adversity. 2020 Virtual Flux Congress.
- Douglas, I.** & Keller, B. "Data-Driven Clustering and Factor Analysis Uncover Factorial Variance in Latent Constructs of Psychological Wellbeing between Racially and Ethnically Diverse Samples". Poster presented at the SPSP Convention in New Orleans, LA (February, 2020).
- Douglas, I.** "Using Machine Learning to Understand Disparities in Overall Psychological Well-Being". Poster presented at the 3<sup>rd</sup> Annual "Psych@TC" Conference in New York, NY (May, 2019).
- Douglas, I.** "What Makes Life Meaningful? A Study of Urban Youth and the Relationship between Prosocial Tendencies, Civic Engagement, and Purpose in Life". Poster presented at the 5<sup>th</sup> World Congress of the International Positive Psychology Association in Montreal, QC, CA (August, 2017).

## PRE-DOCTORAL RESEARCH ASSISTANTSHIPS & EXPERIENCE

**2019-2020:** Research Assistant, Columbia University *Developmental and Affective Neuroscience Lab*

- Assist research of PI Nim Tottenham, PhD, in her investigations of the neurodevelopmental changes resulting from early life adversity.
- Contribute to data analysis pipeline for large-scale collaborative project between DAN Lab & Child Mind Institute (co-PI Michael Milham, PhD). Implementing random forest models and principal component analysis on complex dataset of early caregiver adversities to predict clinical outcomes (R, Python)
- Data management and engineering for longitudinal, multi-method study (R, Git)

**2019-2020:** Research Assistant, Columbia University *Higgins Lab, Department of Psychology*

- Assist research of doctoral candidates in the lab of PI Tory Higgins, PhD
- Collaborate on the design of the experimental manipulation for an in-person social psychology study of shared reality and group-based decision-making; ran participants through the experiment.
- Reviewed statistical analyses in R and edited the manuscript for a collaborative study between the DAN lab and the Higgins lab that investigated the development of shared-reality and motivational regulatory control amongst children across stages of development.

**2018-2020:** Research Assistant *Dept. of Human Development, Teachers College, Columbia University*

- Assist PI James Corter, PhD with his eye-tracking study of reward processing through data management and feature engineering (R, Git)
- Assist PI Bryan Keller PhD on his within-study comparison of treatment effects for an educational mindset intervention by identifying relevant covariates to measure, and coding Qualtrics surveys

**2014 & 2015:** Trinity College *Center for Urban and Global Studies*

# Ian James Douglas, M.S.

- Conduct independent research under the supervision of David Reuman, PhD
- Senior thesis: “What Makes Life Meaningful A Study of Urban Youth and the Relationship between Prosocial Tendencies, Civic Engagement, and Purpose in Life
- Psychological literature review, experiment design & implementation
- Identify appropriate psychological variables and hypothesize their relationship in specific populations
- Assess measures of psychological constructs for reliability and validity
- Execute analysis in SPSS

## SERVICE

- 2021: Co-chair, Psychology Graduate Student Association
- 2021: Reviewer, Summer Undergraduate Research Experience (SURE) Program

## TECHNICAL PROFICIENCIES

- **Fluency in R, Python, and Matlab**
- **Mining, analysis, & integration** of neuropsychology, fMRI, survey/personality, public health & demographic data
- **Regression analysis:** ridge, lasso, Leaps
- **Model validation:** bootstrap & permutation testing, k-fold CV, LOOCV, train-test CV
- **Feature selection:** branch-and-bound, lasso regularization; recursive feature elimination
- **Data engineering;** pipeline management/automation
- **Multivariate analysis:** PCA, factor analysis, graph theory, network analysis, PLS
- **Classification & prediction:** LDA, QDA, random forests, k-NN, deep neural nets
- **Cluster analysis:** k-means, agglomerative, hierarchical, multi-dimensional scaling

## EMPLOYMENT EXPERIENCE & INTERNSHIPS (DETAILED)

**2021-present:** Graduate Research Analyst, Office of Research and Analysis, UT System

**2016 - 2019:** Clinical Research Site Manager, Vanguard Research Group/Northwell Health

- Manage the dataset of a ~500 participant study
- Manage over 40 research coordinators at hospitals and universities across the US
- Ensure accurate, reliable and valid data
- Use database queries to identify potential sources of measurement error
- Ensured inter-rater reliability of assessments

**2015 - 2016:** Research Coordinator, Vanguard Research Group/Northwell Health

- Complete ratings and assessments with patients diagnosed with severe psychosis
- Ensured accurate, reliable and valid data

**2013** Research Assistant Intern, Institute for Community Research

**2013** Community Development Intern, Grow Hartford