

Ana Bravo

DATA ANALYST
Miami, Florida

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Specialized working with adolescent substance use, biospecimen data collection, R programming and data visualization.

Education

Florida International University

MPH - BIOSTATISTICS

Florida, USA

2021-Present

Florida International University

BA - PSYCHOLOGY

Florida, USA

2016-2018

- GPA: 4.0

Miami Dade College

AA - PSYCHOLOGY

Florida, USA

2014-2016

- GPA: 4.0

Research Experience

Center for Research on U.S. Latino HIV/AIDS and Drug Abuse

Florida International University

DATA ANALYST INTERN, PRIMARY SUPERVISORS: WEIZE WANG, MPH AND PATRIA ROJAS, PH.D., MPH, MSW

Jan 2023 - Present

- Analytical skills and proficiency in SAS, STATA, and R Programming language to analyze longitudinal and repeated measures data.
- Performs various data analytics manipulation tools such as clean, transform, pivot and visualizing data for optimal data use
- Proficient in performing statistical analysis to build prediction models using regression techniques (Cox) and random effects and linear mixed models.
- Experienced in cleaning and merging multiple data sets.
- Skilled in using a wide variety of data analytical methodologies to address issues such as data missingness and trouble shooting technical difficulties.

Substance Use Neuropsychology Lab

Florida International University

SENIOR RESEARCH ASSISTANT, PRIMARY INVESTIGATOR: RAUL GONZALEZ, PH.D.

Feb 2020 - Present

- Conduct assessment for the longitudinal Adolescent Brain Cognitive Development (ABCD) Study under the direct supervision of Dr. Raul Gonzalez.
- Administer clinical interviews (e.g., KSADS, PPS, Substance use questionnaires, Alcohol, Nicotine and Marijuana TLFB measurements to school aged children for a ten-year longitudinal study.
- Administer and score neuropsychological and neuro-behavioral tasks (RAVL-T, NIH Tool Box, Emotional Stroop Task) with ABCD participants.
- Conduct suicide-risk assessment under the supervision of an onsite clinician during protocol visits and conduct suicidality follow up with parents.
- Conduct Time Line Follow Back Interview (TLFB) to obtain youth estimates of past year marijuana, cigarette and other substance use.
- Collection of biospecimen domain samples while conducting onsite interview such as DNA saliva sample, Blood, Urine and Drager breathalyzer.

Child Anxiety and Phobia Program

Florida International University

RESEARCH ASSISTANT, PRIMARY INVESTIGATOR: JEREMY PETTIT, PH.D.

April 2017 - Feb 2020

- Assisted during the administration of evidence based assessment e.g., exposure therapy and treatment to children and adolescents with anxiety and depression threshold and sub-threshold disorders.
- Organization of clinical case files for youth and adolescents that come into phobia center for anxiety and depression treatment.
- Conduct intake phone interviews on potential participants to determine treatment plan for anxiety and depressive disorders (GAD, MDD, SAD etc.)
- Assisted in the completion of psychosocial questionnaires during clinical interview as well as administer computer based tasks such as Flanket test for executive functions.
- Participated in data capture for diagnostic code of children and parents with anxiety disorder that meet criteria for DSM-5 related disorders for different time points (pre, post, and follow-up.)
- Assist, recruit, and schedule participants for incoming projects such as Attention Training (AT-RCT) for social anxiety study that included EEG assessment for participants.

- Participate in FIU's Summer Treatment Program (STP) in collaboration with ABCDERICA Lab to collect physiological data (e.g., heart rate electrodermal activity) from school ages children with ADHD and comorbid disorders.
- Set up Mindware/BioLab electrodes on youth during assessment of ADHD and Emo meds protocol
- Run and conduct ADHD protocol task such as: resting baseline, neutral picture assessment, COIN, BARTLG to compare control vs. ADHD diagnosis group.
- Perform video transcripts of youth during Emotional and Parenting in Childhood (EPIC) Study conducted by Rachel Tenenbaum, Doctoral student.
- Conduct data cleaning procedures on heart rate variability (HRV) cardiac impedance (IMP) and electrodermal activity (EDA) measurements on Mindware software using participant data.

Professional Experience

Part Time Lab Instructor/Advisor

Miami Dade College

MATHEMATICS DEPARTMENT

February 2019 - October 2020

- Serve as a role model to motivate students to achieve their academic needs.
 - Advisement service.
 - SMART Plan creation.
 - Advising appointments.
 - Meeting with students on repeated attempts.
 - Assist with enrollment.
 - Create, review, and modify student academic progress (MAP) for newly enrolled, transfer and transient students.
 - Assist students with academic planners such as major changes and pre-requisite requirements.
 - Participate in recruitment services such as orientation for First time in College (FTIC) students
 - Advise and guide students who were on academic probation to implement alternative courses of action to achieve graduation.

Part Time Mathematics Tutor

Miami Dade College

MATHEMATICS DEPARTMENT

October 2016 - January 2019

- Provide homework help, assist in the creation of study plans, and develop an indepth knowledge in College Mathematics.
 - Attend instructor meetings or requires yearly training for online courses.
 - Grade and score day one diagnostics exam to identify students current mathematics background
 - Help in the Navigation of online modalities for students such as ALEKS, myMathLab, and BlackBoard
 - Create study plan for students identified as at risk based on students day one diagnostics exam.
 - Monitor online BlackBoard Retention Center and communicate weekly with professor.
 - Conduct Mastery sessions (e.g., review sessions) during tutoring service hours in preparation for exam week.

Language Skills

Programming	Software	Description
R	Github	Personal Portfolio on R projects worked on through the years
Rstudio	COVID-19 Graduate Project	COVID-19 project during advanced R programming course
Rmarkdown	LateX	ability to output html pdf and word documents using Rmarkdown
SAS	SAS 9.4	SAS Biostatistics student project on the effects of Marijuana, alcohol and nicotine in the YRBSS 2019 survey
STATA	STATA MP17 Citrix	Regression models, correlation matrix, pre-post analysis

Community Engagement

The Childrens Trust Expo Recruitment

MDC Wolfson Campus

CHILD ANXIETY AND PHOBIA LAB

September 2018 - September 2018

- Recruitor for EMU study and Child Anxiety and Phobia Program.
 - Offer resources to families to participate in sleep study and anxiety and treatment services at FIU.
 - Recruit for EMU study, a sleep study interested in looking at sleep and anxiety using MRI facilities.

Open House and Parent Resource provider

Miami Heights Elementary

CHILD ANXIETY AND PHOBIA LAB

September 2019 - September 2019

- Outreach Program Efforts.
 - Parent resource night outreach program to school age children and parents interested in treatment services.
 - Offer CCF resources to parents available in the South Florida Area.

Publications

Yeguez, C.E., **Bravo, A.**, Troya, S., Pettit, J.W., (In preparation). Are Individuals with ADHD at Risk for Suicide? A Systematic Review of Longitudinal Studies.

Bravo, A., Wang, W., Rojas, P., (In preparation). Examining Sociocultural Factors of Hispanic Stress: A Community Based Repeated Measures Study in South Florida among Latinx Adolescents.