

# Didi Ramsaran Chin

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## RESEARCH INTERESTS

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Utilise computational and mathematical models (e.g., machine learning, dynamical systems, topological and graph theoretical analysis) to study patterns of neural and cognitive phenomena.

## EDUCATION

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**UNIVERSIDAD CATÓLICA ANDRÉS BELLO**, CARACAS, VENEZUELA

B.Sc. in Psychology

Mar 2025

Advisor: Dr. Luisa Angelucci.

Thesis: "Instagram study on the influence of motives of use, Instagram use, perceived social support, sex and age on social and personal identity" [translated from Spanish].

## RESEARCH EXPERIENCE

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**UNDERGRADUATE THESIS STUDENT**, CARACAS, VENEZUELA

Mar 2022 – Jul 2024

**UNIVERSIDAD CATÓLICA ANDRÉS BELLO**, *School of Psychology*

Thesis advisor: Dr. Luisa Angelucci.

Co-author: Andrés Muskus.

- Assessed test reliability (translation and adaptation to Spanish, internal consistency) and validity (dimensional reduction, topic-expert consultation) of four scales.
- Designed virtual and physical surveys, collecting data from over 300 subjects.
- Preprocessed data using Excel, Jamovi and JASP; assessed assumptions; and reported descriptive, psychometric, and regression metrics..
- Developed a multivariate statistical model (path analysis) to determine direct and indirect effects of socio-demographic, motivational, and social variables on social and personal identity in social media. Assessed Goodness-of-Fit of regression metrics to quantify model robustness and contribution to social psychological theory..

**RESEARCH SCHOLAR**, REMOTE

Sep 2021 – Jul 2024

**UNIVERSIDAD FRANCISCO DE VITORIA**, *Research and Innovation in Psychology Program (INICIA)*

Advisors: Dr. Belén Obispo and Dr. Jennifer Moreno

- Published a first-authored paper by coordinating a values-based phenomenological analysis of the experience of sexually explicit content exposure among couples.
- Collaborated on three research projects with students from Venezuela, Colombia, and Spain, developing skills in project collaboration, management, and English scientific writing.

## TEACHING EXPERIENCE

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### Teaching Support

**INSTRUCTIONAL ASSISTANT**, Universidad Católica Andrés Bello

*School of Psychology*

**PSIC 00064: Statistics I**

Oct 2020 – Feb 2021

- Assisted in grading and provided additional classes via Zoom meetings, forums, and exercises; also recorded video tutorials (e.g., tabulation, plotting)
- Positively evaluated by students (5.25/6), highlighting clear communication, content organisation, helpful use of technology, perceived respect, and usefulness of resources.

*Research Department, School of Mass Communication*

**COMU 00335: Statistics**

Feb – Aug 2020

- Provided in-person meetings to answer questions, managed forums, curated online resources, and designed questions for descriptive statistics and probability distributions.

## PUBLICATIONS

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- **Ramsaran, D.**, Zambrano, J., Berenguer, M., Salgueiro, L., & Obispo, B. (2023). Exposure to explicit sexual content in the couple relationship: A values-based analysis. *Analogías Del Comportamiento*, (22).  
<https://revistasenlinea.saber.ucab.edu.ve/index.php/analogias/article/view/5952>

## MANUSCRIPTS IN PREPARATION

- Muskus, A. **Ramsaran-Chin, D.**, & Angelucci, L. (In preparation). Instagram study on the influence of motives of use, Instagram use, perceived social support, sex, and age on social and personal identity [Translated from Spanish]. Universidad Católica Andrés Bello.

## EMPLOYMENT

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### MARKETING TRAINEE, CARACAS, VENEZUELA

Jan 2025 – present

*C.A. Vita*

- Wrote market reports on market shareholders, SKUs, and value of sales, and conducted national and international SKU price comparisons against category competitors.
- Managed administrative funds and payments, and coordinated tasks with third-party business partners to achieve departmental goals.

### PSYCHOMETRIC ANALYST ASSISTANT, CARACAS, VENEZUELA

Oct 2024 – Feb 2025

*Dr. Luisa Angelucci*

- Wrote Python scripts (Jupyter Notebook) to import, preprocess and analyse data provided by the IDB.
- Performed descriptive analysis and visualisation, conducted psychometric analysis (validity and reliability), and generated evidence-based conclusions and recommendations for improving the structure of the exams.

### FREELANCE PSYCHOMETRIST, CARACAS, VENEZUELA

Apr – Jun 2024

*Psychometric analyst for the Citizenship Competences Scale*

- Analysed the Scale's psychometric properties and conducted subsample comparisons between groups to assess validity, reliability, and participant characteristics.
- Preprocessed data, analysed, and reported results in a 6-page manuscript. Concluded on instrument properties and provided methodological, interpretive, and research recommendations for further scale development.

### ACADEMIC INTERNSHIPS, Universidad Católica Andrés Bello

*Common responsibilities across the internships:*

- Collected data from over 10 subjects and patients via observation, interviews, and psychological tests, primarily using cognitive and behavioural methods.
- Delivered comprehensive case and group reports, including personal history, psychological evaluation, needs, intervention plans, treatment results, conclusions, and recommendations for future interventions and academic achievement.

### Psychological Counselling (Community-focused)

Mar – Jun 2024

### Clinical Psychology (Adults)

Mar – Jun 2024

### Psychological Counseling

Sep – Jan 2023

### Scholar Psychology I and II (Community-focused)

Mar 2022 – Jan 2023

### Clinical Psychology (Child and Adolescent)

Sep 2021 – Jan 2022

## OUTREACH & COMMUNITY SERVICE

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### INTERNATIONAL YOUTH NEUROSCIENCE ASSOCIATION

Judge/mentor for 2025 Ideathon research proposals (focus: neurodegeneration) Jan – Mar 2025

- Assessed over 5 proposals' introduction, hypothesis, methods, hypothesised results, discussion and conclusions, and scientific communication quality.

- Provided one-on-one advice on methods and statistical analysis improvements for 'Investigating Exposure to Herpes as a Risk Factor for Alzheimer's Disease in the Context of the Shingles Vaccine' by S. M. Brizzi, T. L. Hunt, and N. S. Idowu (2025 Ideathon winners).

## NEUROMATCH ACADEMY

General volunteer @ Professional Development department	Mar 2024 – Present
<b>UNIVERSIDAD CATÓLICA ANDRÉS BELLO</b> , CARACAS, VENEZUELA	
"Afuera de la Colmena" II community immersive formative program	Mar 2024
Student representative @ Faculty of Humanities and Education	Sep 2023 – Aug 2024
Founder and coordinator of "JIPsi" research promotion program	Dec 2022 – Dec 2023
Founding member of UCABlingo (Foreign Languages and Culture Club)	Jan – Jun 2022

## AWARDS, HONOURS & SCHOLARSHIPS

### UNIVERSIDAD CATÓLICA ANDRÉS BELLO, CARACAS, VENEZUELA

Global Competencies in Science, Technology and Humanities Certificate	Oct 2024
○ Approved courses from three different faculties (Humanities, Social Sciences and Engineering).	
Magis scholarship (for achieving the second-to-highest GPA)	Jul 2024
Integral Academic Excellence Award	Dec 2023
International Program School Representation Award	Dec 2023

## SEMINARS & ADDITIONAL TRAINING

<b>NeuroAI Academy</b> , VIRTUAL	Jul 2025
Neuromatch, USA	
<b>Computational Neuroscience Academy</b> , VIRTUAL	Jul 2024
Neuromatch, USA	
<b>Open Science 101</b> , VIRTUAL	Nov 2024
Neuromatch x NASA, USA	
<b>AI in Psychology and Neuroscience</b> , VIRTUAL	Sep 2024
Humai, Argentina	
<b>Machine Learning: Artificial Intelligence</b> , IN-PERSON	Mar-Jul 2024
Universidad Católica Andrés Bello, Venezuela	

## MEMBERSHIP

### INTERNATIONAL

International Neuroinformatics Coordinating Facility (INCF)  
 Cognitive Science Society  
 LatinXinAI  
 International Youth Neuroscience Association

## SKILLS & OTHERS

**PROGRAMMING** | Python, R (basic).

**RESEARCH** | Survey creation, Psychometric analysis, Statistical analysis and modelling, Project management, Research project coordination, Report writing, Code version control, Independent learning.

**COURSES** | Psychobiology (neuroanatomy), Neuroscience I (neurophysiology), Neuroscience II (neuropathology), Cognitive Neuroscience and Neuropsychology, Differential Calculus (UCAB).

**LANGUAGES** | Spanish (native), English (advanced writing and conversational skills), French (basic).

**INTERESTS** | Cats, Fashion, Flowers.