

Didi Ramsaran Chin

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RESEARCH INTERESTS

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

EDUCATION

UNIVERSIDAD CATÓLICA ANDRÉS BELLO (UCAB), VENEZUELA 2025

B.Sc. Psychology, Advisor: Dr. Luisa Angelucci.

Thesis: "Effects of Motivation of Use, Instagram Use, Perceived Social Support on Instagram, Sex and Age on Social and Personal Identity" [English translation].

RESEARCH EXPERIENCE

UNDERGRADUATE THESIS STUDENT

Mar 2022 – Jul 2024

UCAB, *School of Psychology*

Advisor: Dr. Luisa Angelucci. Co-author: Lic. 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; assessed assumptions; and reported descriptive, psychometric, and regression metrics with Excel, Jamovi and JASP.
- Developed a multivariate statistical model and assessed its robustness (Goodness-of-Fit of regression metrics) to determine direct and indirect effects of socio-demographic, motivational, and social variables on social and personal identity in social media.

RESEARCH SCHOLAR, REMOTE

Sep 2021 – Jul 2024

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

Advisors: Dr. Belén Obispo, Dr. Jennifer Moreno

- Learned and implemented research-focused tasks: proposal writing, project management, data collection, qualitative and quantitative analysis, and report writing for 3 different projects.
- Managed and collaborated remotely with scholars from Venezuela, Colombia, and Spain.
- Published a first-authored [paper](#) by coordinating a values-based phenomenological analysis of the experience of sexually explicit content exposure among couples.

TEACHING EXPERIENCE

PROFESSOR, UCAB

INFO-02020: Artificial Intelligence: Machine Learning,

Mar 2026 – present

School of Software/Computing Engineering

- Introduce students to the foundations and implementations of basic supervised Machine Learning (ML) methods, with a focus on Supervised Learning and Reinforcement Learning.
- Guide students through implementations of ML algorithms via Python in Jupyter Notebooks, from data preprocessing up to model training, testing, and validation.

INSTRUCTIONAL ASSISTANT, UCAB

PSIC 00064: Statistics I, *School of Psychology*

Oct 2020 – Feb 2021

- Assisted with grading and student support (meetings, forums, exercises, video tutorials).
- Positively evaluated by students (5.25/6), scoring high in clear communication, content organization, technology use, perceived respect, and usefulness of provided resources.

COMU 00335: Statistics, *School of Mass Communication*

Feb – Aug 2020

- Provided in-person support (meetings, managed forums, curated online resources, and test-like exam questions).

PUBLICATIONS

- **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). [\[Link\]](#)
- 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

MARKETING TRAINEE, VENEZUELA

Jan 2025 – present

C.A. Vita

- Integral task execution throughout the department: management of social media, payments, brand strategy and tactics, budget planning, internal and external communications,
- Task management and reporting of advances and development of projects to supervisors and department colleagues.

PSYCHOMETRIC ANALYST ASSISTANT, VENEZUELA

Oct 2024 – Feb 2025

Dr. Luisa Angelucci

- Preprocessed, analyzed, and visualized client data with Python (Jupyter Notebook)
- Generated evidence-based conclusions and recommendations for improving the structure of the exams, based on descriptive statistics, validity, and reliability metrics (e.g., Pearson correlation, discrimination indices).

FREELANCE PSYCHOMETRIST, VENEZUELA

Apr – Jun 2024

Psychometric analyst for the Citizenship Competences Scale

- Analyzed the Scale's psychometric properties and conducted subsample comparisons between groups to assess validity (PCA), reliability (Cronbach's alpha), and participant characteristics (descriptive statistics).
- 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, UCAB

Common responsibilities across the internships:

- Collected data from over 10 subjects and patients via observation, interviews, and psychological tests, primarily using cognitive and behavioral methods.
- Delivered comprehensive case and group reports (totaling 13 reports), including personal history, psychological evaluation, needs, intervention plans, treatment results, conclusions, and recommendations for future interventions and academic achievement.

Psychological counselling intern

Sep 2022 – Jan 2023, Mar – Jun 2024

Supervisors: Lic. Liza Guilbert, Lic. Flor Violeta.

Clinical Psychology intern

Sep 2021 – Jan 2022, Mar – Jun 2024

Supervisors: Lic. Michelle Marin, Lic. Juan Romero.

Scholar Psychology Intern

Mar 2022 – Jan 2023

Supervisor: Lic. Karen Lobo.

OUTREACH & COMMUNITY SERVICE

INTERNATIONAL YOUTH NEUROSCIENCE ASSOCIATION

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

- Assessed over 5 proposals' introduction, hypothesis, methods, hypothesized results, discussion and conclusions, and scientific communication quality.
- Provided one-on-one advice on methods and statistical analysis improvements to high school students S. M. Brizzi, T. L. Hunt, and N. S. Idowu (2025 Ideathon winners).

NEUROMATCH ACADEMY

Volunteer, Professional Development Department	Mar 2024 – Present
Volunteer, Education and Development Marketing Research Analyst	Oct 2025 – Present
UCAB	
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

UCAB

Global Competencies in SciTech and Humanities Certification	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 Representation Award	Dec 2023

RELEVANT SEMINARS & COURSES

Advanced Neural Data Analysis (ANDA), IBehave, Jülich (remote)	Jun 2026
Linear Programming , UCV	May-Oct 2026
NeuroAI Academy , Neuromatch (remote)	Jul 2025
<i>Project: Comparing neural networks performing a spatial memory task in a 2D grid world</i> (link)	
Computational Neuroscience Academy , Neuromatch (remote)	Jul 2024
Open Science 101 , Neuromatch, NASA	Nov 2024
AI in Psychology and Neuroscience , Humai (remote)	Sep 2024
Machine Learning: Artificial Intelligence , UCAB	Mar-Jul 2024
Undergraduate Courses , UCAB	Sep 2019 - Jul 2024
Psychobiology (neuroanatomy), Neuroscience I (neurophysiology), Neuroscience II (neuropathology), Cognitive Neuroscience and Neuropsychology, Differential Calculus.	

MEMBERSHIPS

INTERNATIONAL

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

NATIONAL

Friends of the Network of Young Researchers of Venezuela (National Academy of Physical, Mathematical and Natural Sciences)

SKILLS & OTHERS

RESEARCH | Survey creation, Psychometric analysis, Statistical analysis and modelling, Computational modelling, Research project coordination, Report writing.

PROGRAMMING | Python, R (basic), Code version control (Git, Github).

SOFT SKILLS | Independent learning, Report writing, Project management, Leadership, Resource management (time, funding), Assertive communication, Oral presentation.

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

INTERESTS | SciCom, Cats, Fashion, Flowers.