

Irwing Smith Saldaña Ugaz

Biologist



Personal Information

Phone

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Email

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Skills

Teaching



R programming language



QGIS and SIG



Scientific redaction



Statistical modeling



Machine Learning



Python



Languages

Spanish

Level: Native

English

Level: Advanced [C1 equivalent](#)

TOEFL: 98 [\[Link\]](#)

Reading 29/30 (Advanced)

Listening 26/30 (Advanced)

Speaking 22/30 (High-Intermediate)

Writing 21/30 (High-Intermediate)

Education

- 2021-present **MSc Data Analytical Intelligence**
Universidad de Los Andes, Bogotá, Colombia
- 2015-2016 **Biologist**
Universidad Nacional de Trujillo, La Libertad, Peru
- 2010-2015 **BA in Biological Science**
Universidad Nacional de Trujillo, La Libertad, Peru

Research Affiliations

- 2020-2022 **CONCYTEC Researcher (Peruvian Government)**
RENACYT register code: P0038629 [\[Certificate\]](#)
- 2020-present **Director and Researcher**
Ecoinformatic and Biogeography Department, Instituto de Ciencias Antonio Brack, Peru
- 2016-present **Associate Researcher**
Centro de Investigación en Biología Tropical y Conservación - CINBIOTYC, Piura, Peru

Last Publications

Pollack-Velásquez L., Ugaz A., Vallejos L.M., **Saldaña I.S.** (2020). The migratory records of the Eastern Kingbird (*Tyrannus tyrannus*) in the arid ecosystems of western South America. [Ornithology Research 28:143–150.](#)

Saldaña I.S., Ugaz A., Baldeón A., Benites D.A., Barrionuevo R., Vallejos L.M. (2020). Bird diversity and noteworthy records from the western side of the Porculla pass and the Huancabamba-Chamaya river sub-basin, northwest of Peru [with Erratum]. [Arenaldoa 27\(2\): 611-642.](#)

Vallejos L.M., **Saldaña I.S.**, Núñez E., García-Bravo A., Vecchi M.B. (2017). New records and probable migration routes of the Sora *Porzana carolina* (Aves: Rallidae) in Peru. [Ornithology Research 25\(3\): 221-225.](#)

Last Conference Presentations

Saldaña I.S. (2019). The Endemic Bird Areas of Tropical Andes, associate ecosystems and isolated mountain ranges: preliminary review and update in Central Andes. **XI Congress of Neotropical Ornithology, VI Costa Rican Congress of Ornithology.**

Saldaña I.S., Ugaz A., Baldeón A., Benites D., Barrionuevo-García R., Vallejos L.M. (2019). The biogeography of the birds in the lowest mountain pass of the Tropical Andes: a climatic approach. **Humboldt 250 and II Latin American Congress of Biogeography**, Quito, Ecuador. Page 135.

Recent Courses

- PH125.7x: Data Science: Linear Regression. HarvardX. [\[Link\]](#)
- PH125.6x: Data Science: Wrangling. HarvardX. [\[Link\]](#)
- PH125.5x: Data Science: Productivity Tools. HarvardX. [\[Link\]](#)
- PH125.4x: Data Science: Inference and Modeling. HarvardX. [\[Link\]](#)
- PH125.3x: Data Science: Probability. HarvardX. [\[Link\]](#)
- PH125.2x: Data Science: Visualization. HarvardX. [\[Link\]](#)
- PH125.1x: Data Science: R Basics. HarvardX. [\[Link\]](#)
- BMD101x: Mathematical Bases: Derivatives. UPValencia X - Universitat Politècnica de València (UPV) [\[Link\]](#)

Work Experience

- 2020-present **CEO and Associated Professor.** Instituto de Ciencias Antonio Brack E.I.R.L. (RUC: 20606307498), Peru. [\[Link\]](#)
- 2017, 2020, 2021 **Professor.** Universidad Nacional de Cajamarca, Peru.
- 2016-2019 **Deputy Manager** of biodiversity and environmental projects. Consultoría y Asesoría en Temas Ambientales S.A.C., Peru (Ruc: 20601678854).
- 2013-present **Biodiversity Specialist consultant.** Freelance employment.