

Irwing Smith Saldaña Ugaz

Biologist



Personal Information

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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 **Master in Education with specialisation in university teaching and research** (ongoing)
Universidad San Martín de Porres, Lima, Peru
- 2015-2016 **Biologist**
Universidad Nacional de Trujillo, La Libertad, Peru
- 2010-2015 **Bachelor 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**
Ecoinformatics and Biogeography Department, Instituto de Ciencias Antonio Brack, Peru

Last Publications

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]. [Arnaldoa 27\(2\): 611-642.](#)

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.](#)

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

- Data Science: Machine Learning. HarvardX. [\[Link\]](#)
- Data Science: Linear Regression. HarvardX. [\[Link\]](#)
- Data Science: Wrangling. HarvardX. [\[Link\]](#)
- Data Science: Productivity Tools. HarvardX. [\[Link\]](#)
- Data Science: Inference and Modeling. HarvardX. [\[Link\]](#)
- Data Science: Probability. HarvardX. [\[Link\]](#)
- Data Science: Visualization. HarvardX. [\[Link\]](#)
- Data Science: R Basics. HarvardX. [\[Link\]](#)
- Foundations of Probability and Applications. Universidad de Los Andes. [\[Link\]](#)
- Mathematical Bases: Derivatives. UPValencia X - Universitat Politècnica de València (UPV) [\[Link\]](#)

Work Experience

- 2020-present **Executive Director 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.