
SUSTAINABLE SEAFOOD IN PERU

Framing Effects on Attitudes & Intentions Towards Shark Meat Consumption (2019 – 2022)

Analysis: Quantitative

Research type: Experimental

Methods: Surveys

- ✓ Conceived and designed study, received funding from TCU Chancellor Boschini.
- ✓ Developed and designed three experimental messages based on self-determination theory and risk perception attitude framework.
- ✓ Conducted experimental study on 400 fish consumers from Peru via advanced Qualtrics online surveys.
- ✓ Crafted and adapted surveys based on communication theories.
- ✓ Determined participant eligibility criteria and quotas.
- ✓ Analyzed data and developed data visualization via Excel, SPSS, and R.
- ✓ Presented findings at three scientific meetings.
- ✓ Published findings in [Frontiers in Conservation Science](#).

Mislabeled and Mercury Content in Seafood in Peru (2017 – 2020)

Analysis: Quantitative

Research type: Exploratory, Descriptive

Methods: Laboratory

- ✓ Conceived and designed research plans.
 - ✓ Secured external funding from the Waitt Foundation.
 - ✓ Collected 400+ fish samples from stores and restaurants in Peru.
 - ✓ Performed the laboratory work (barcoding and mercury analysis).
 - ✓ Synthesized and analyzed the results.
 - ✓ Presented findings at four scientific meetings and one invited public seminar.
 - ✓ Published findings in [Scientific Reports](#).
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SOCIAL SCIENCE

Netnography of Artisanal Fisherfolk in Peru

Analysis: Qualitative

Research type: Exploratory

Methods: Interviews, Online Observations

- ✔ Conceived and designed study.
 - ✔ Conducted exploratory observations on Facebook fan pages and groups.
 - ✔ Obtained ethics approval from TCU, recruited participants, and conducted interviews.
 - ✔ Analyzed qualitative data.
 - ✔ Presented findings at two scientific meetings.
 - ✔ Won Outstanding Graduate Poster at the Research & Pedagogy Festival, College of Education, TCU (2017).
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SCIENCE EDUCATION

Student Use of Multimodal Discursive Resources in Science Notebooks.

Analysis: Qualitative

Research type: Descriptive

Methods: Document review

- ✓ Cleaned and organized data for coding.
 - ✓ Learned and taught other team members how to use Systematic Analysis of Language Transcripts (SALT) software to code students' notebooks.
 - ✓ Qualitative coded and analyzed data.
 - ✓ Presented findings at two science education meetings.
 - ✓ Published findings in two research journals: [JSTE](#) and JRMSE (in press).
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Peruvian Food Chain Jenga

Analysis: Quantitative, Qualitative

Research type: Evaluative

Methods: Surveys, Interviews, Focus group

- ✓ Project won the 2013 TCU IdeaFactory contest.
 - ✓ Developed the Peruvian Food Chain Jenga, an educational game to teach students about trophic chains and interactions in the marine environment.
 - ✓ Obtained internal funding to develop the necessary images and received additional funding to produce 250 sets to commercialize to educators through the TCU IdeaFactory.
 - ✓ Conducted pilot studies with teachers and four middle-school classrooms.
 - ✓ Conducted experimental study with K-12 students.
 - ✓ Developed evaluation tool for middle-school students.
 - ✓ Analyzed survey data, conducted A/B testing, and reviewed written feedback.
 - ✓ Presented findings at three science education meetings and conducted three workshops for educators.
 - ✓ Published findings in two research journals ([SSMA](#)) and ([JRMSE](#)), and one practitioner's journal ([Science Scope](#)).
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