



SWACSM 2021 Abstract Submission Information



SWACSM General Abstract Submissions &
SWACSM Expanded Abstracts for the Student Research Award Competition

**Expanded Abstracts for the Student Research
Award Competition Due September 17, 2021,
5:00 pm, PDT**

**General Abstracts Due September 24,
2021, 5:00pm, PDT**

Abstract Submission Link: <https://digitalcommons.wku.edu/ijesab/>

**P-curve analysis of the Köhler motivation gain effect in exercise settings:
A substantive-methodological synergy**


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INTRODUCTION

- Meta-science research has highlighted that journals often favor publishing studies that report statistical significance.
- This trend could create situations where effect size estimates are inflated and not representative of the true, underlying effect size.
- Publication bias could lead to other troubling outcomes such as p-hacking.
- P-curve analysis is a tool that can be used to find if publication bias exists in studies focused on a single effect.
- P-values have a uniform distribution when there is no effect and have a highly skewed distribution when there is likely a true underlying effect.
- The purpose of this study was to demonstrate the p curve technique in a sample of studies that examined the Köhler motivation gain effect in exercise settings.

METHOD

- We conducted a literature review for research examining the Köhler motivation gain effect in adult populations in exercise settings
- Thirteen unique statistical test values with the reported degrees of freedom were extracted.
- P-curve online application (version 4.06) was used for all calculations.

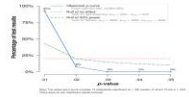
A p-curve can examine a body of literature for the presence of potential p-hacking.

The Köhler motivation gain is likely **not** an outcome of p-hacking practices.

P-curve analysis can be a useful tool that is easy to implement.

RESULTS

- A binomial test indicates that the effect size for the 13 studies have evidential value and are likely not the product of p-hacking ($p = .0001$)
- A continuous test using the aggregate with Stouffer Method indicates there is evidential value using
 - Full p-curve ($Z = -13.61, p < .0001$)
 - Half p-curve ($Z = -12.82, p < .0001$)
- Evidence in power included in the p-curve was 99%



DISCUSSION


The p-curve for studies examining the Köhler effect demonstrates that this effect is likely not a by-product of p-hacking.

The p-curve analysis can be used to examine p-hacking in entire fields, examine specific effects, or examine journals for the presence of p-hacking.

The p-curve can easily be implemented in meta-analyses and other reviews to better understand the nature of the underlying effect.

P-curve application and related papers:
<https://www.p-curve.com>

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SWACSM 2021 Abstract Submission Instructions

(more details can be found on the SWACSM [website](#))

SWACSM Annual Meeting and Conference, starting October 29, 2021.

All members and those joining the Southwest Chapter of the American College of Sports Medicine (SWACSM) are invited to submit abstracts for presentations, either as a general poster presentation or in our student research award competition.

Please follow the general and/or student research award specific instructions for submission.

General Abstract Submission Instructions

1. All abstract submissions are required in electronic format. The student research award competition question and answer (Q&A) sessions are scheduled for October 29, 2021. See below for student award competition specifics.
2. Each individual is permitted to be first author on only one abstract, but may co-author several abstracts.
3. The first author is considered a presenter and must present the abstract at the meeting.
4. At least one of the authors must be a member of the SWACSM.
5. If one of the authors is a Fellow of the American College of Sports Medicine (ACSM), the letters FACSM should follow their name.
6. All abstracts (maximum 2000 characters without spaces) will be published in the program as submitted. Abstracts should follow the template posted on the swacsm website using Arial font at size 10 cpi. Please check for spelling errors prior to submission.
7. Abstracts should not have been published previously in any other printed or electronic format as beginning this year, abstracts will be published in the *International Journal of Exercise Science*. Publishing will be delayed so authors can also submit their abstracts to national ACSM if they so choose.
8. Abstract subheadings should follow ACSM requirements; purpose, methods, results, and conclusions.
9. Presenting at SWACSM does not preclude submitting the same abstract for presentation at an ACSM national meeting.
10. Keep a copy of the abstract for your records.
11. Following submission of an abstract, an electronic email confirmation will be sent to the applicant and co-authors (if co-author emails are provided). Email notification of acceptance and presentation information will be sent following submission from our SWACSM Abstracts and Awards members, Dr. Jenevieve L. Roper or Dr. James Navalta. If you do not receive the email notification, check that you included the correct email address free of spelling errors or check your junk mail or SPAM folders. You can contact the SWACSM Abstracts and Awards members, if you believe you did not receive an email confirmation, see details below.
12. All general poster presenters are expected to create a visual poster.

Student Research Award Competition Specific Instructions

1. If you are submitting your expanded abstract for the student research award competition, you must indicate this in the electronic submission form due September 17, 2021 **AND** you must submit both a brief and an expanded abstract for consideration by the deadline September 17, 2021.
2. All expanded abstracts will undergo a blind review by three experts in the field for the competition while the brief abstract will be included in the program.
3. The expanded abstract is limited to 5 pages (not counting references) and must be double spaced following the same font requirements as the brief abstract (abstract requirements are listed under the general instructions).
4. The expanded abstract should provide the study's background, purpose, design/methods, results (including optional tables and figures), discussion and conclusions.

5. If the expanded abstract does not follow the above format, it will be returned to the first author for revisions. Revisions must be submitted no later September 24, 2021 for continued consideration in the competition.
6. Be sure to include the name of your advisor/mentor and his/her email address. An email message may be sent to your advisor/mentor verifying your student status and to confirm the expanded abstract is appropriate for presentation at the SWACSM Virtual Annual Meeting and Conference.
7. All work reported in the expanded abstract must have been conducted while you were a registered student at an institution in the Southwest Region and the abstract may have multiple authors/investigators although only one individual is to present.
8. Abstracts should not have been published previously in any other printed or electronic format.
9. Five to six student presenter finalists for each level, undergraduate and graduate, will be asked to present an oral presentation on Friday, October 29, 2021.
10. All expanded abstracts NOT selected for the competition will be asked to present as a general poster presentation.
11. The Undergraduate Student Research Award Competition is scheduled for 11am-12:30pm on Friday, October 29, 2021.
12. The Graduate Student Research Award Competition is scheduled for 1:45pm-3:15pm on Friday, October 29, 2021.
13. Following review of the finalists by competition judges, winners of each competition will be announced in the General Session held on Saturday October 30, 2021 from 9:15am-10:45am.
14. Additionally, one overall winner from the Undergraduate and Graduate Student Research Award Competition finalists will be named and asked to represent the chapter at the ACSM National President's Cup Competition.

All questions regarding the abstract submission or the student research award competition should be directed to:

Jenevieve Roper, PhD, CSCS, SWACSM Abstracts and Awards
Department of Health and Human Sciences, Loyola Marymount University
Email: Jenevieve.Roper@lmu.edu

or

James Navalta, PhD, FACSM, SWACSM Abstracts and Awards
Department of Kinesiology and Nutrition Sciences, University of Nevada Las Vegas
Email: James.Navalta@unlv.edu

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Advisor / Mentor: Last Name, First Name (email address) – do NOT hyperlink the email

ABSTRACT

Begin with a short sentence or two with background on the topic. Please include a **PURPOSE**: describing the intent of the study. **METHODS**: how the study was conducted. **RESULTS**: findings of the study should be here. **CONCLUSION**: Reference lists are not generally included. Please note the abstract headings (they must be included, **bolded** and **UPPERCASE**). Do **NOT** change the justification (alignment), font type, font size, or spacing (general abstracts should be single-spaced, expanded abstracts should be double spaced).

All abstracts (maximum 2000 characters without spaces for general abstracts) will be published in the program as submitted. Expanded abstracts for the student research award competition is limited to 5 pages (not counting references) and must be double spaced following the same font requirements as the brief abstract.

Direct any questions about this process to Dr. Jenevieve Roper (Jenevieve.Roper@lmu.edu) or Dr. James Navalta (James.Navalta@unlv.edu) to ensure your abstract is formatted properly and submitted successfully.

Once finished, be sure to **delete anything in red**. Once the following is read, please delete as well:

This abstract has not been presented and will not be presented at any other conference, other than National ACSM. Abstract submission assumes study has been approved by an appropriate IRB.

Southwest Chapter

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The International Journal of Exercise Science publishes proceedings for a number of regional, national, and international conferences and meetings.

To simplify referencing as well as site navigation, we have assigned each conference International Journal of Exercise Science: Conference Proceedings "volume," and thus each year's proceedings for that conference is an "issue." For example, The Texas Chapter of the American College of Sports Medicine is Volume 2, and then each of its conferences has its own issue number.

If you are affiliated with an organization that holds research conferences within Exercise Science or a related field, and you are interested in having the International Journal of Exercise Science publish your proceedings, then please contact us at this email address: editor@intjexersci.com.

Have your title (in Title case), author emails, and SWACSM abstract template saved in a known location. Click “Continue”

Follow the instructions below to submit a manuscript to the International Journal of Exercise Science: Conference Proceedings. Shortly afterward, you will receive an email confirming your submission.

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4. the author(s) must accept full responsibility for the content of the Article;
5. the Article must be the Author(s) original work and must not contain any libelous or unlawful statements or infringe on the rights or privacy of others or contain material or instructions that might cause harm or injury
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****NOTE: If submitting for the student research competition, select either "Student Research Competition – Undergraduate" or "Student Research Competition – Graduate" (instead of Southwest ACSM Abstract)**

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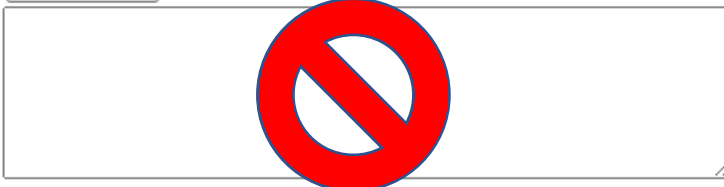
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