

**From:** HCURA Programming no-reply@paperform.co  
**Subject:** NCRC 2022 Registration Confirmation  
**Date:** December 21, 2021 at 11:20 AM  
**To:** veronicabp@gmail.com



Congratulations! We have received your registration form for NCRC 2022, which will be held between January 21st and 23rd of 2022.

We will send you further information on the conference in the coming weeks.

If you have any questions, comments, or concerns, please email [programming@hcura.org](mailto:programming@hcura.org).

**Submitted At**

2021-12-21 14:20:51

**First Name**

Veronica

**Last Name**

Backer Peral

**Gender/Preferred Pronouns**

she/her

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**Phone Number**

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**Expected Graduation Year**

2022

**School Name**

Loyola Marymount University

**Major/Concentration/Field of Study**

Applied Mathematics, Computer Science, History (triple major)

**Title of Research Project/Poster Title**

The Public vs. Private Healthcare Debate: An exact synthetic control approach.

**For judging purposes, my research is best classified as**

Social Sciences

**Finalized Abstract**

The synthetic control method (SCM) offers a widely-utilized approach to counterfactual and hypothetical comparative case studies. Traditionally, however, it relies on numerical approximation algorithms which not only may fail to converge to an exact solution, but also provide little insight on the robustness of the result. In this project, I introduce the exact synthetic control method (ESCM), which utilizes an algebraic technique to obtain multiple exact solutions to the synthetic control problem. The multitude of solutions can be used to measure the robustness of the synthetic control. Finally, I apply this method to a case study of the United States' current health care system and observe several apparent shortcomings in the United States' health model.

**Do you consent to having your abstract be placed in the abstract book? This book will be circulated to all conference participants, HCURA staff, and judges, but will not be available to the general public. If your faculty member/PI would prefer not to have your abstract published, it will not affect your ability to attend or present a poster at NCRC 2021.**

Yes

**Content Release**

Yes, my abstract and/or poster only contain information that is acceptable for publication

**Will you be presenting as part of a group? If so, please indicate the names of your co-presenters.**

No

**Bio**

Verónica Backer Peral is an Applied Mathematics, Computer Science and History triple major from Altadena, California. As an aspiring Economics PhD student, she is passionate about research that merges analytical and computational techniques with the social sciences, including the work she has contributed to as a research intern at the Philadelphia Federal Reserve Bank working with a senior economist. On campus, she is involved in several research projects across the fields of Economics, Political Science and Computer Science and is also actively involved with student media as the former Managing Editor for the LA Loyolan and the Executive Producer for Climate 360 News. She aspires to continue to do research in a professional setting and study pressing global social and economic issues.

**Headshot**

- [BCLA-Portraits0769f 2.PNG](#)

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**Registration Fee**

100

**Total Amount**

100

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