

# Research uses simulation game to alter beliefs about poverty

March 16 2020

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In advancing research to tackle the problem of burgeoning global economic inequality, researchers at Simon Fraser University used a poverty simulation game called SPENT to foster greater understanding

of what causes poverty and economic inequality.

In research published in the scientific journal *Nature Human Behaviour* today, a group of researchers, including former SFU Ph.D. student Dylan Wiwad and Lara Aknin, an SFU distinguished professor in the department of psychology, share findings from a five-part global study on people's beliefs about [poverty](#) and economic [inequality](#).

Study 1 used pre-existing data from the World Values survey—based on about 30,000 participants—while the researchers collected further data from about 2,400 more participants for the remaining studies.

In all, the studies used data from 34 countries. The last two studies provide some initial evidence that using a relatively easy, cost-effective, and "low-touch" intervention—the 10-minute poverty simulation [game](#) called SPENT—can foster lasting and meaningful change in beliefs about poverty and reduce support for economic inequality, says Wiwad, who conducted the study as part of his Ph.D. dissertation at SFU.

Wiwad is currently a post-doctoral scholar at the Kellogg School of Management, Northwestern University.

The researchers invited about 600 students to a laboratory setting to play the game and divided them into two groups. One group was asked to take part in a poverty simulation experience, where they live a month in the life of an impoverished person making daily financial decisions.

In following up with participants over the next few months, the researchers found that playing SPENT helped develop stronger recognition of the situational causes of poverty and lowers support for [economic inequality](#) even five months after playing the game.

"How people understand the causes of poverty influences their

willingness to address inequality and help the poor," says Aknin.

She adds that the final two studies also show that these interventions are scalable and can be used across classrooms in the province or Canada by teachers.

"Our dream is to partner with the Vancouver School Board and classrooms around the city to investigate if we see similar long-lasting results using these interventions during these impressionable periods."

**More information:** Shifting attributions for poverty motivates opposition to inequality and enhances egalitarianism, *Nature Human Behaviour* (2020). [DOI: 10.1038/s41562-020-0835-8](https://doi.org/10.1038/s41562-020-0835-8) , [nature.com/articles/s41562-020-0835-8](https://www.nature.com/articles/s41562-020-0835-8)

Provided by Simon Fraser University

Citation: Research uses simulation game to alter beliefs about poverty (2020, March 16) retrieved 20 September 2024 from <https://phys.org/news/2020-03-simulation-game-beliefs-poverty.html>

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