College of Liberal Arts, School of Public Policy

WHAT MOST AFFECTS THE PROBABILITY OF RECEIVING PUBLIC ASSISTANCE?

Examining the Effect of Family Background and Educational Attainment on Receiving Public Assistance with Multivariate Regression Analysis

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American Statistical Association 2021 Symposium on Data Science & Statistics

June 2-4, 2021

About the Presenter



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BACKGROUND

METHODS

RESULTS

CONCLUSIONS & IMPLICATIONS Q&A

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INTRODUCTION

What is poverty?

A state of being poor, being unable to meet basic needs (water, food, clothes, shelter, and essential services inclusive of sanitation, health, and education)





1964



2009

2021



Poverty Rates Using the Official and Supplemental Poverty Measures: 2009 to 2019



¹ Includes unrelated individuals under the age of 15.

Note: The data for 2017 and beyond reflect the implementation of an updated processing system. The data for 2013 and beyond reflect the implementation of the redesigned income questions. For information on confidentiality protection, sampling error, nonsampling error, and definition see https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar20.pdf>.

Source: U.S. Census Bureau, Current Population Survey, 2010 to 2020 Annual Social and Economic Supplements (CPS ASEC).

BACKGROUND





Receiving Public Assistance





Completing a multivariate regression analysis

One DV

Receiving public assistance

18 IVs

Demographic details, school background, and family background



What predicts receiving public assistance?

A majority of our variables! (p<0.001 level)



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Factor Change in Predictive Probabilities of Receiving Public Assistance



* All variables statistically significant at the p<0.001 level except for marital status (p=0.019), parents' educational attainment (p=0.003), and school collegegoing rate (p=0.013) that are statistically significant at the p<0.05 level.

Source: National Center for Education Statistics (NCES), Education Longitudinal Study (ELS), 2002 and 2012.

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What is the impact of having dependents (age <18)?







What is the impact of experiencing unemployment (at least once in the past three years)?





10



What is the impact of parents' educational attainment?



Why does this matter?

We can project societal needs

With COVID-19, unemployment skyrocketed in 2020. However, with fine-tuned methodologies and metrics from nationally representative datasets, such as those from the U.S. Census Bureau and the National Center for Education Statistics, analyses can help assess the impacts of global challenges and make predictions years outward to truly ensure a continued thriving society.



Special thanks to...

- **Dr. Shelley Nelson** for mentoring me throughout this working project. I am grateful for the hours spent introducing me to quantitative analyses while encouraging me to pursue my passions within research.
- **Dr. Brian Fuller** for creating a welcoming learning environment in a former course where this project began (albeit, differently).
- The **American Statistical Association** for organizing this three-day conference showcasing statistical research.
- Friends, family, and my former educators for sharing words of encouragement throughout my academic and life journey.



THANK YOU

for listening and engaging

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