

Case of Zhombe North Rural District

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Introduction

- Zimbabwe is facing food insecurity crisis (ZIMVAC, 2019).
- Agricultural commercialization proposed to enhance economic development
- Evidence is unclear on how agricultural commercialization affects food security (Carletto *et al.*, 2017; Dzanku, 2015).

Objective

- Estimating the impact of agricultural commercialization on household food security.

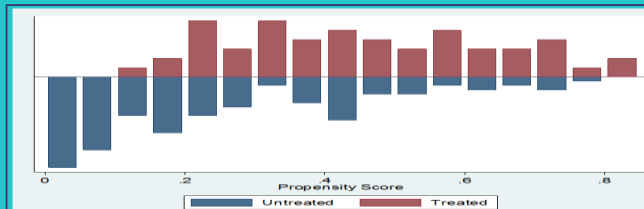
Significance of the Study

- Limited studies in Zimbabwe focused on how agricultural commercialization affect household food security
- Need to measure impact of agricultural commercialization whilst controlling for selection bias
- Provide evidence based policy recommendations on how Zimbabwe can improve rural food security

Methods/Approach

- Cross-sectional data collected from 165 smallholder farmer households in Zhombe North Rural District in Zimbabwe.
- Propensity Score Matching used
- COMPS and CIMPS used as proxies of agricultural commercialization.
- Modified Food Consumption Score was used as a proxy of household food security.

Findings and Interpretations



Variable	Matching method	C Hhlds	N-C Hhlds	ATT	S. E	t. Stat
Modified food consumption score (MFCS)	Kernel	47	76	5.089	1.84	2.754
	Stratification	48	76	5.563	1.85	3.004

- Food consumptions scores were higher for the commercialized households
- Study findings similar to Ogutu's study done in Kenya (Ogutu, *et al.*, 2017)

Conclusions

- The researcher concluded that agricultural commercialization improve household food security in Zhombe North Rural District

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