

# Preventing the Next State Budget Crisis:

Improving Budget Transparency to Bolster Fiscal Sustainability

## THE HOW'S, THE WHY'S AND THE CONSEQUENCES OF STATE AND LOCAL DEFICITS

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### WHAT'S THE PROBLEM

#### CALVIN AND HOBBES









#### A CURRENT FISCAL CRISIS IS A CASH FLOW PROBLEM

"CONTRACTUAL" OBLIGATIONS - AID - CASH > MAXIMAL TAX REVENUES

"LEGALLY CONTRACTUAL" OBLIGATIONS TO:

**CURRENT BONDHOLDERS** 

**CURRENT PENSIONERS** 

CURRENT SUPPLIERS

"POLITICALLY CONTRACTUAL" OBLIGATIONS TO:

MINIMAL SERVICES TO CURRENT RESIDENTS: EDUCATION, SAFETY (?)

FUTURE RESIDENTS: INFRASTRUCTURE (?)

FUTURE PENSIONERS (?)

#### A FUTURE FISCAL CRISIS IS A PROBLEM OF DECLINING PUBLIC WEALTH

#### STEP 1: BUILD UP CONTRACTUAL OBLIGATIONS:

- \*\* Underfund the Pension
- \*\* Borrow Short-Term (Rollover) and Long-Term
- Delay Supplier Payments

#### STEP 2: BUILD UP POLITICAL OBLIGATIONS

- Mandates for Education and Poverty
- Expand Benefit Promises

#### STEP 3: DEPLETE CASH & ASSETS

- Sell Cash and Assets
- Fail to Maintain Infrastructure

#### MONITORING FOR A FUTURE FISCAL CRISIS

#### NET PUBLIC WEALTH =

[CASH & SECURITIES] - [LTDEBT + STDEBT] - [SUPPLIER OWED PAYMENTS]

+

[REPLACEMENT VALUE OF PUBLIC & ENTERPRISE INFRASTRUCTURE]

+

[PENSION FUND ASSETS - PENSION OBLIGATIONS]

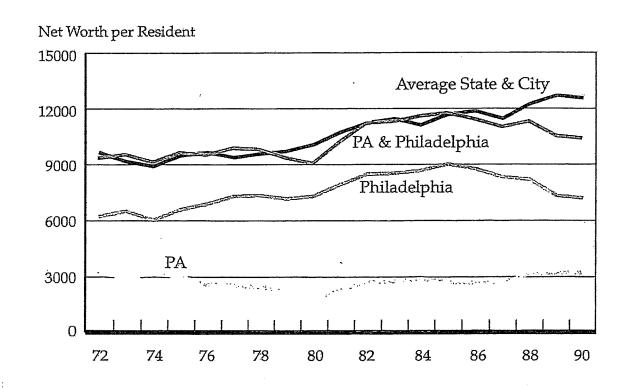
### WHO HAS HAD A CRISIS?

Government	Year	Pensions (Normal Cost)	Supplier Obligations	Dissave	Failure to Maintain K	Sell Public Assets	Sell Enterprise Assets	Pension (Withdrawals)
New York City	1975	✓	✓	✓	✓		1	1
Cleveland	1977			1			1	
WPPSS	1983						1	
Philadelphia	1990	✓	✓	✓	✓		1	
Bridgeport, CT	1991	✓		✓	✓		1	1
Orange Cty, CA	1994			1				
Washington, DC	1995	✓	1	✓				1
Miami, FL	1996	✓	1					1
Detroit	2013	1	1	1	✓	✓	1	1
Puerto Rico	2017	1	1	1	✓	✓	1	1
	-		Inter	national Cr	rises			
Argentine Provinces	1989	1	1	1			1	
Brazilian States	1994		1	1			<b>√</b>	
Greece	2009	✓	1	1	1		1	✓
		•	Fut	ture Crises	(?)		•	•
Illinois		✓	1	1	✓		✓	1
New Jersey		<b>√</b>					1	1

## A PHILADELPHIA STORY

**APPENDIX** 

## How Much Money Is in a Philadelphian's Public Purse?



#### WHO MIGHT HAVE A CRISIS?

#### "TAX SMOOTHERS" VIA RAINY DAY FUNDS:

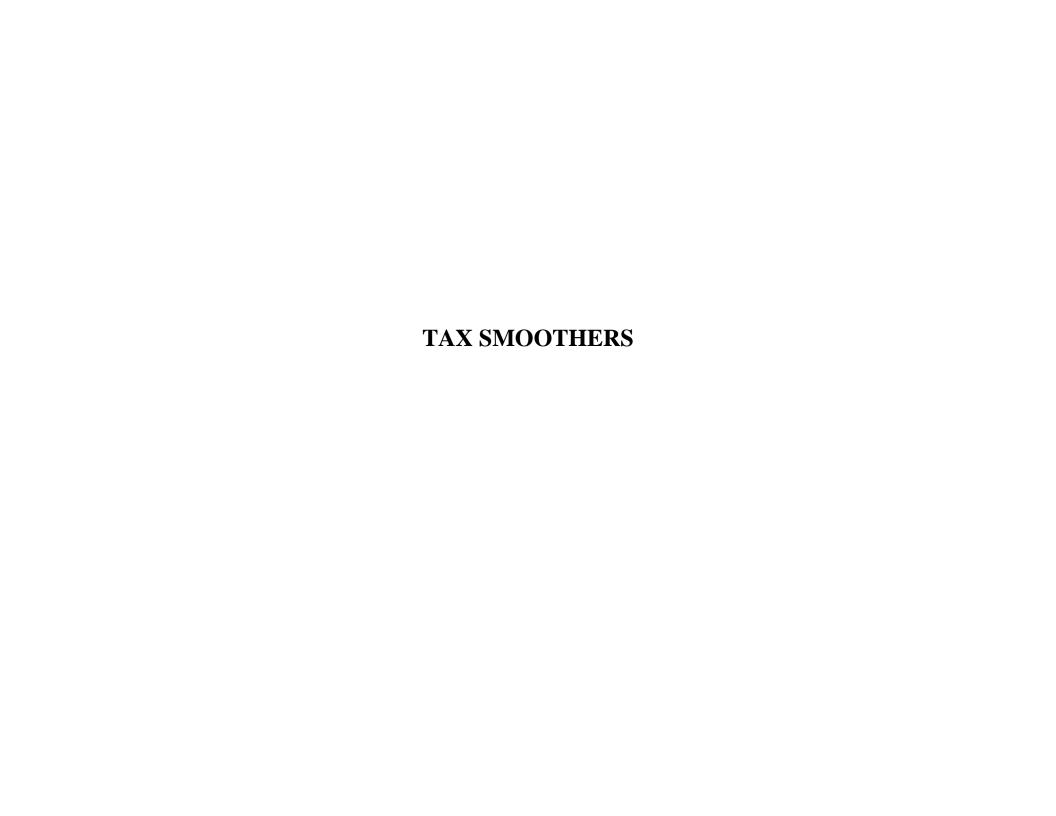
Arizona, California, Colorado, Connecticut, Delaware, Idaho, Nevada, New Mexico

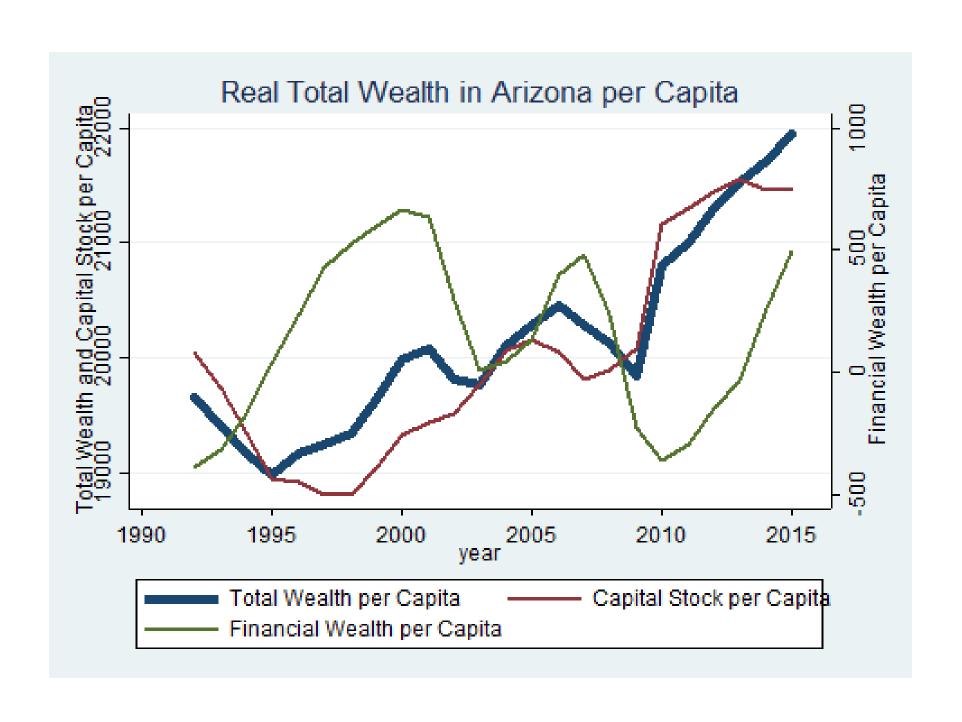
#### "BORROWERS"

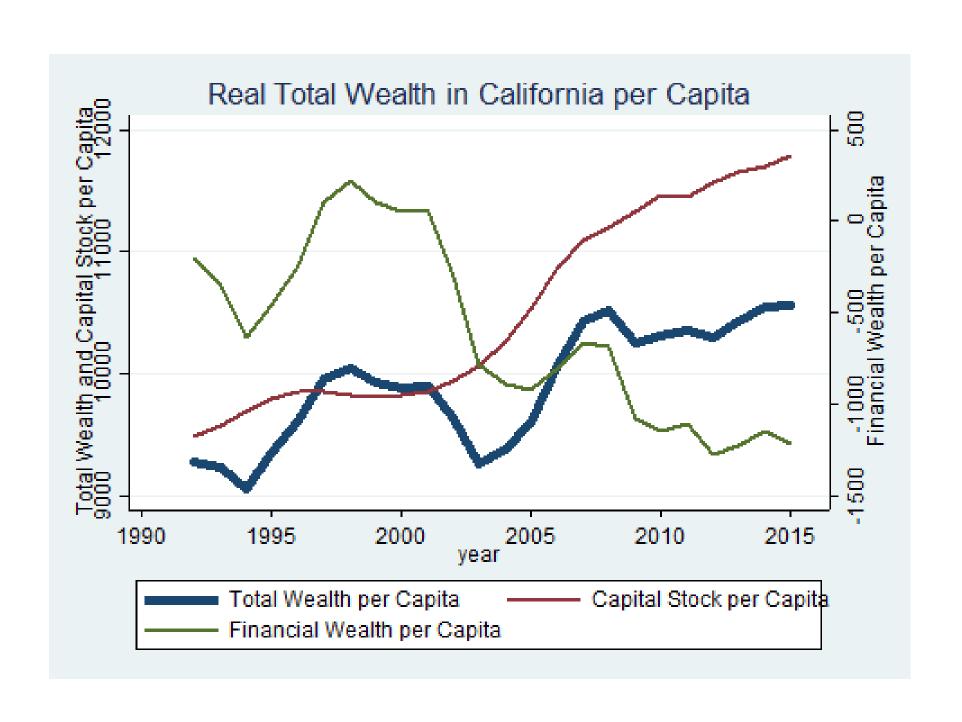
Illinois, Kansas, Maryland, Massachusetts, Mississippi, New Jersey

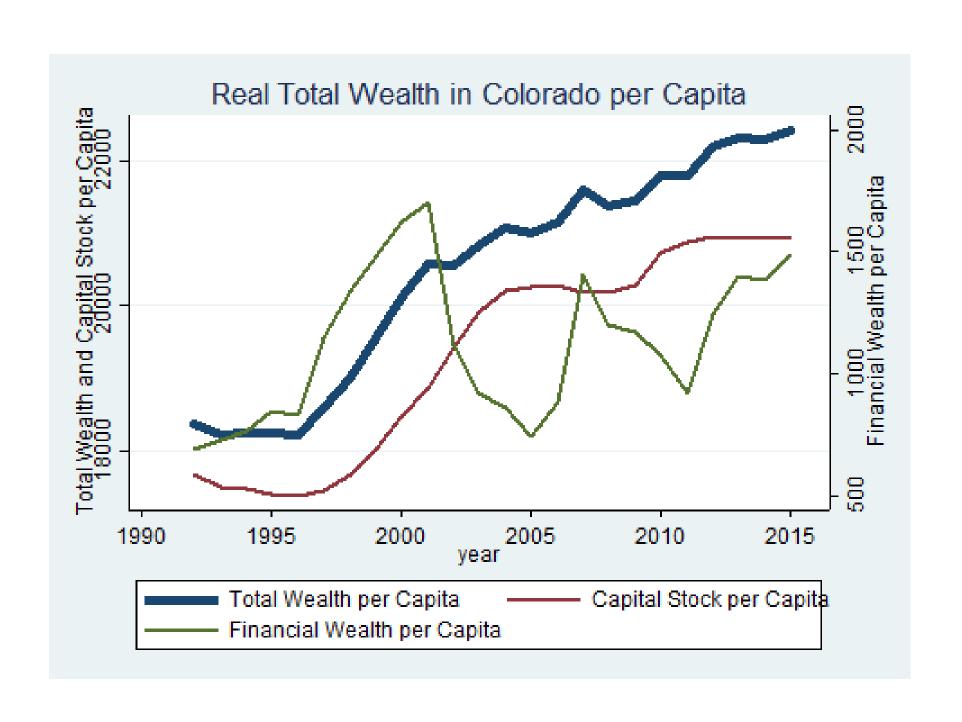
#### "SAVERS"

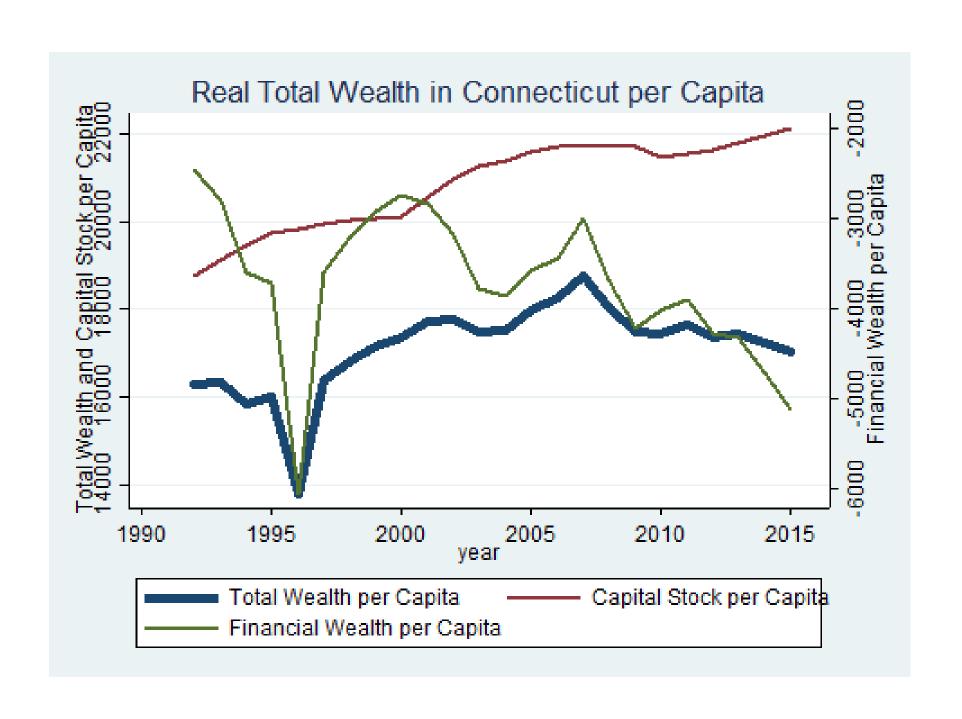
Iowa, Montana, Nebraska, North Dakota, South Dakota, Texas, Wyoming

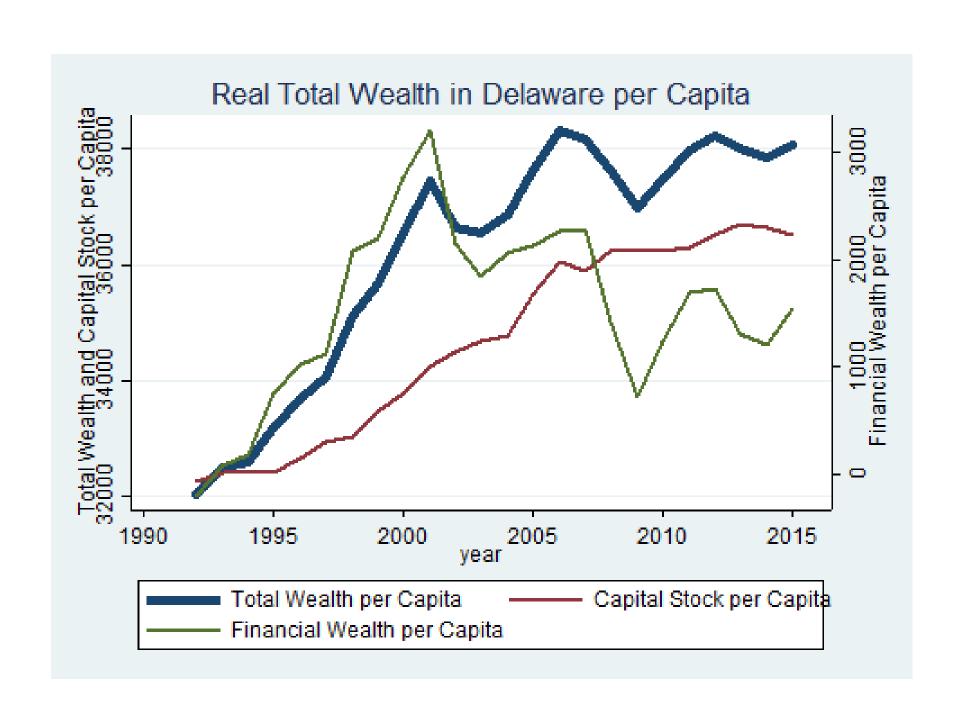


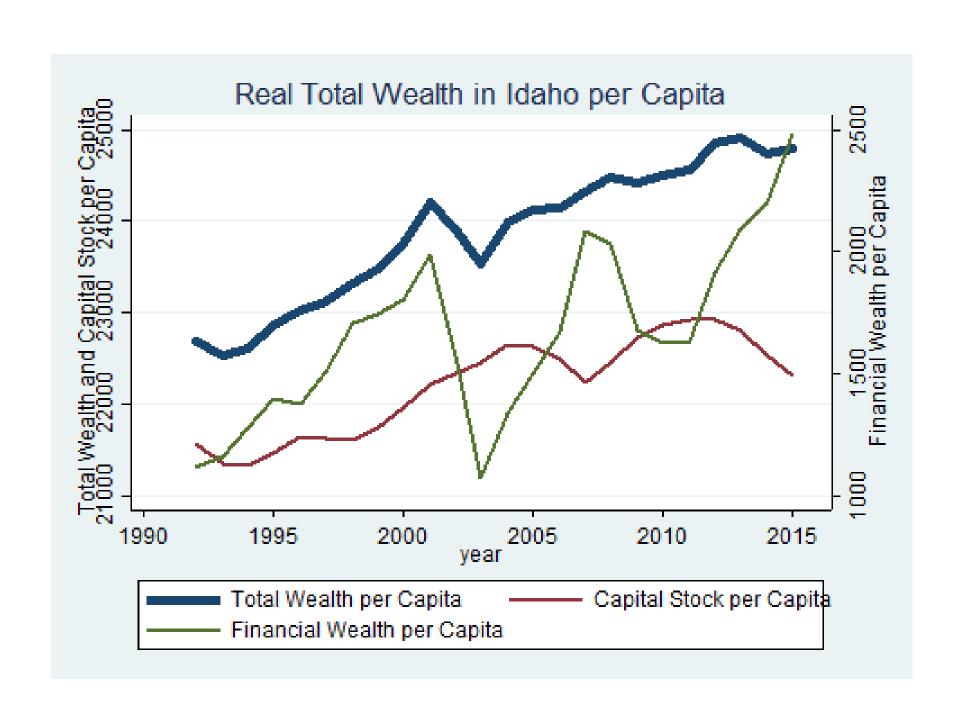


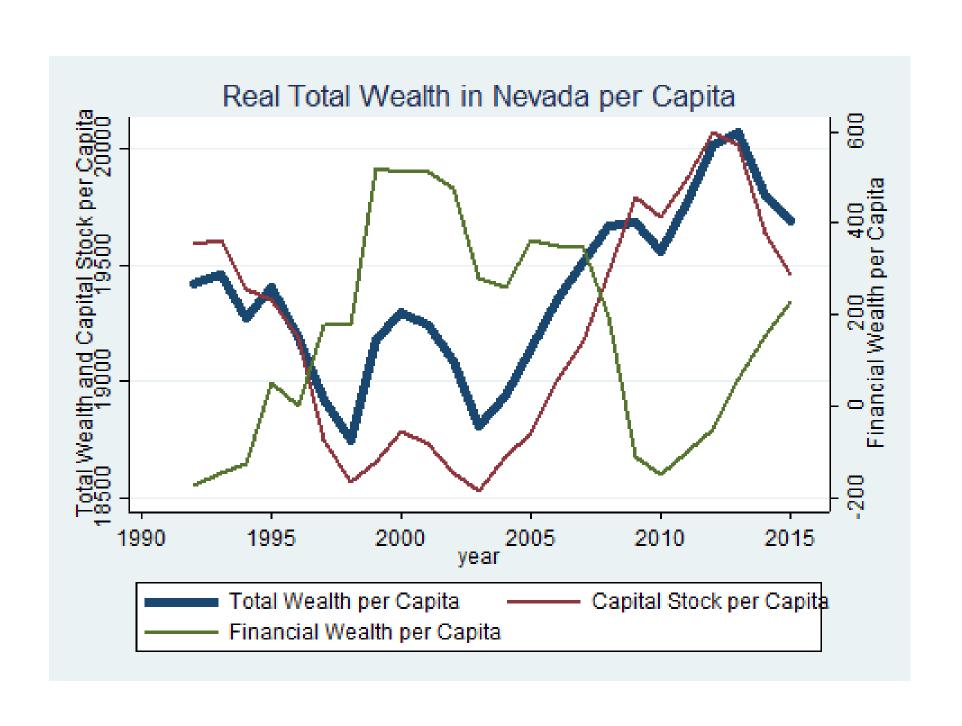


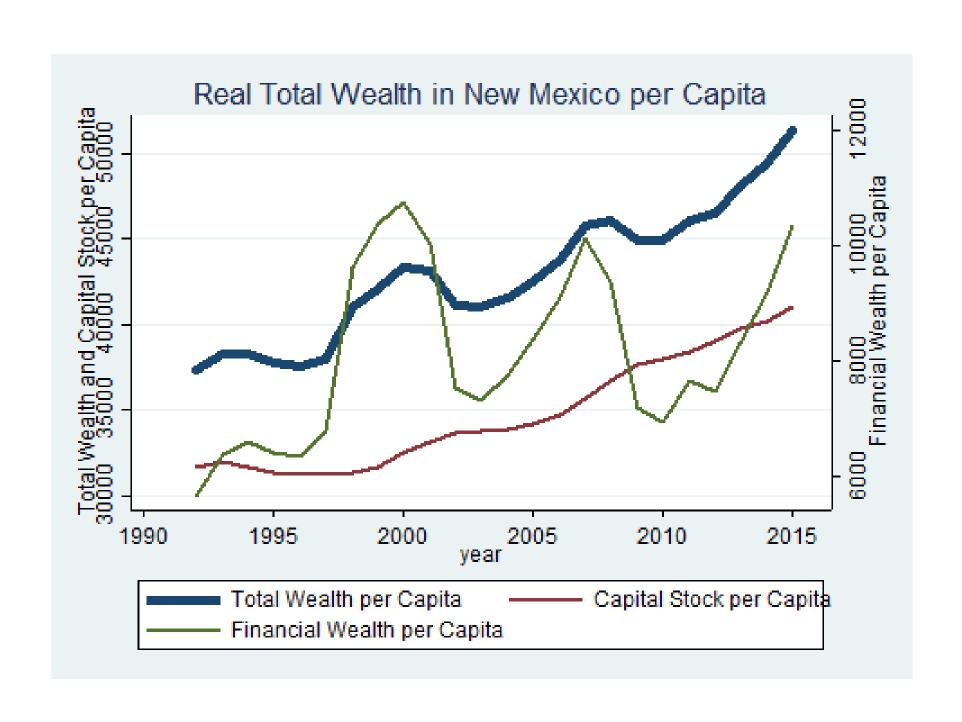


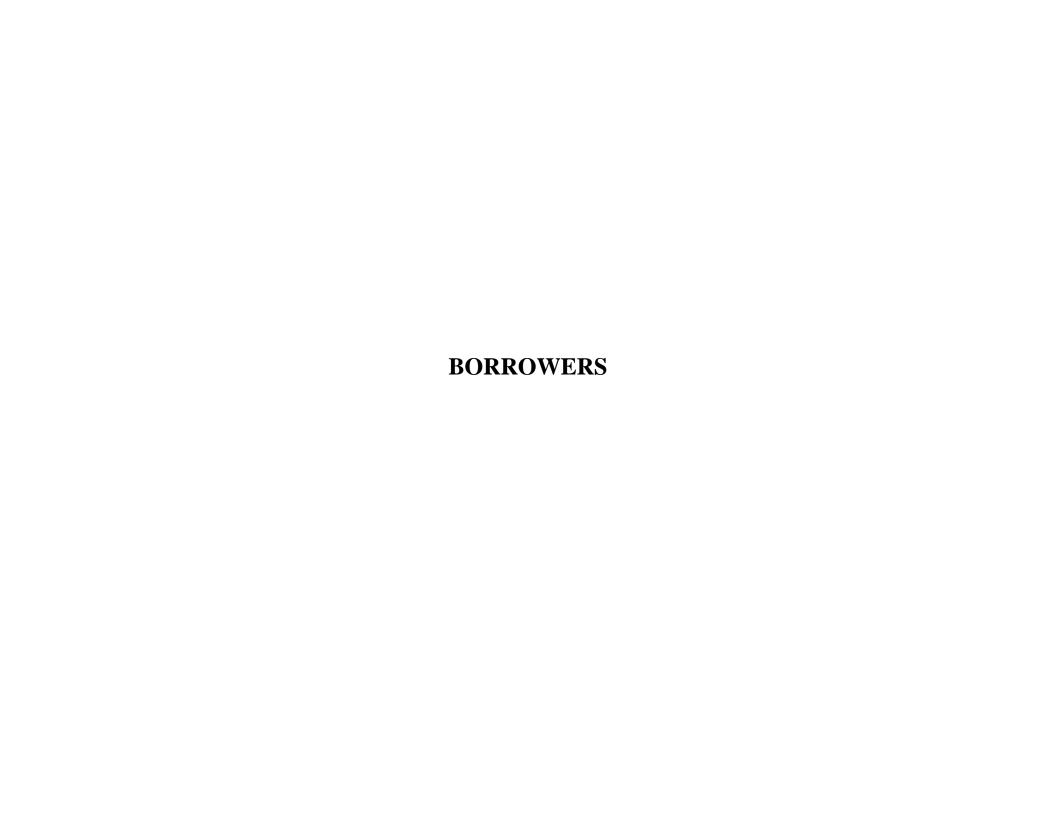


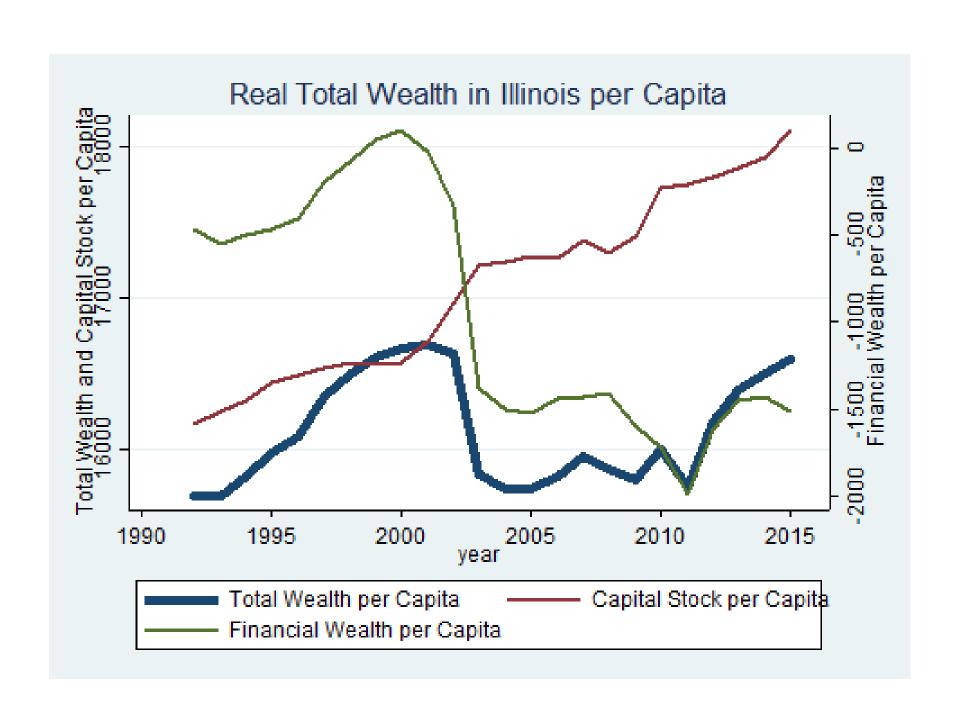


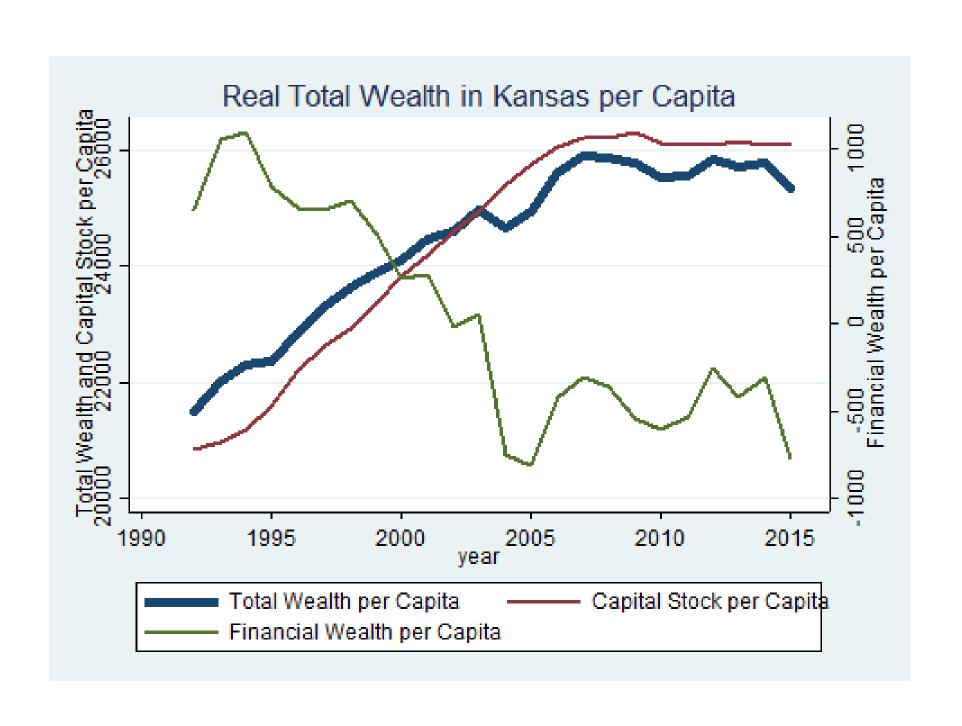


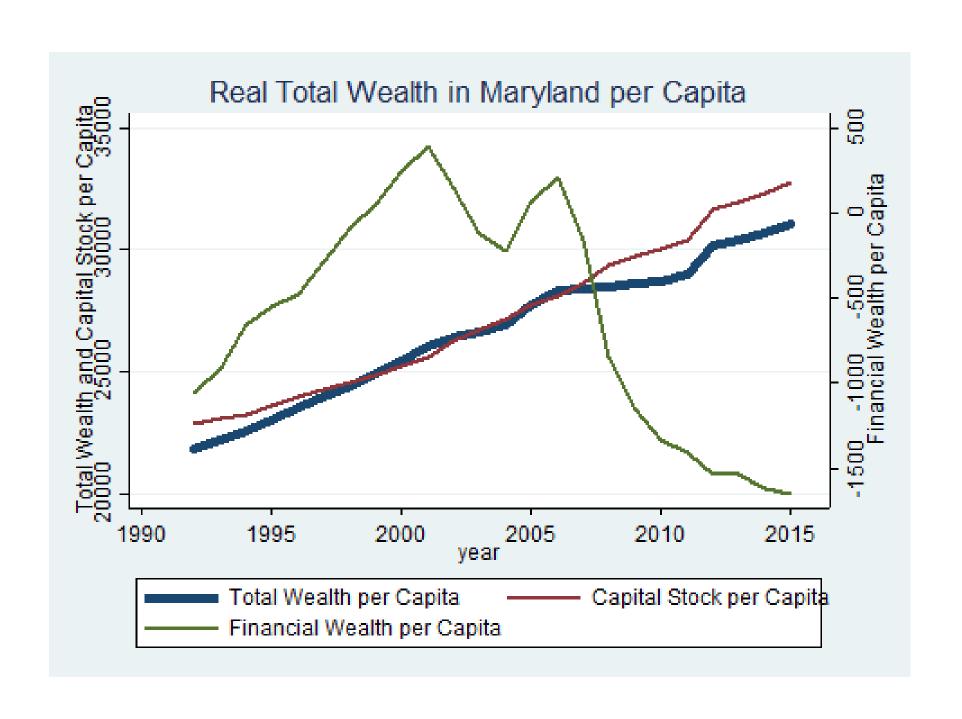


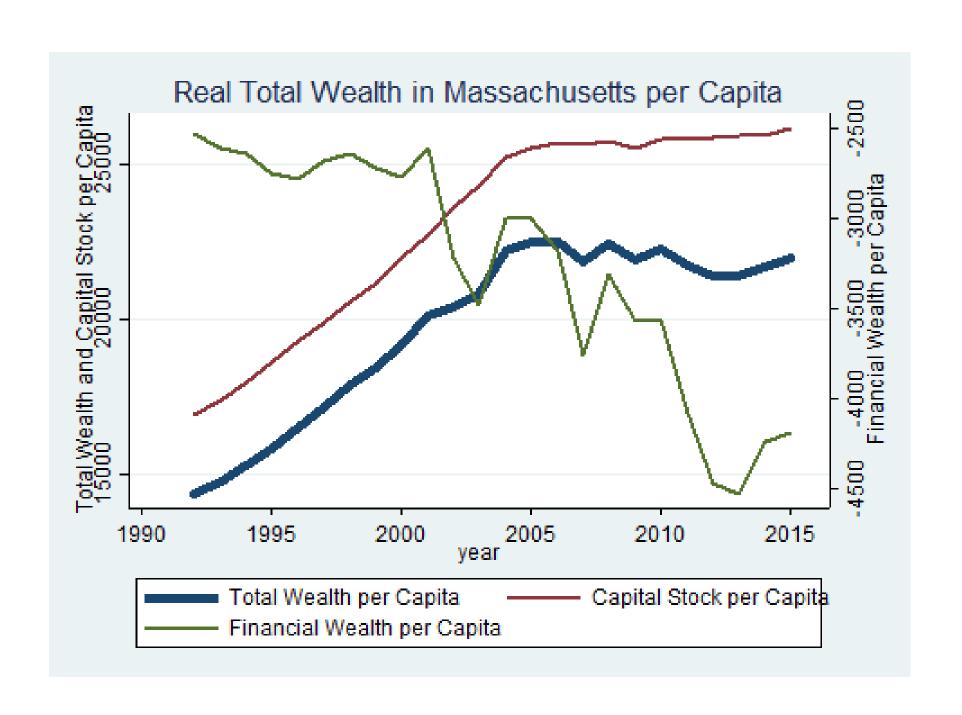


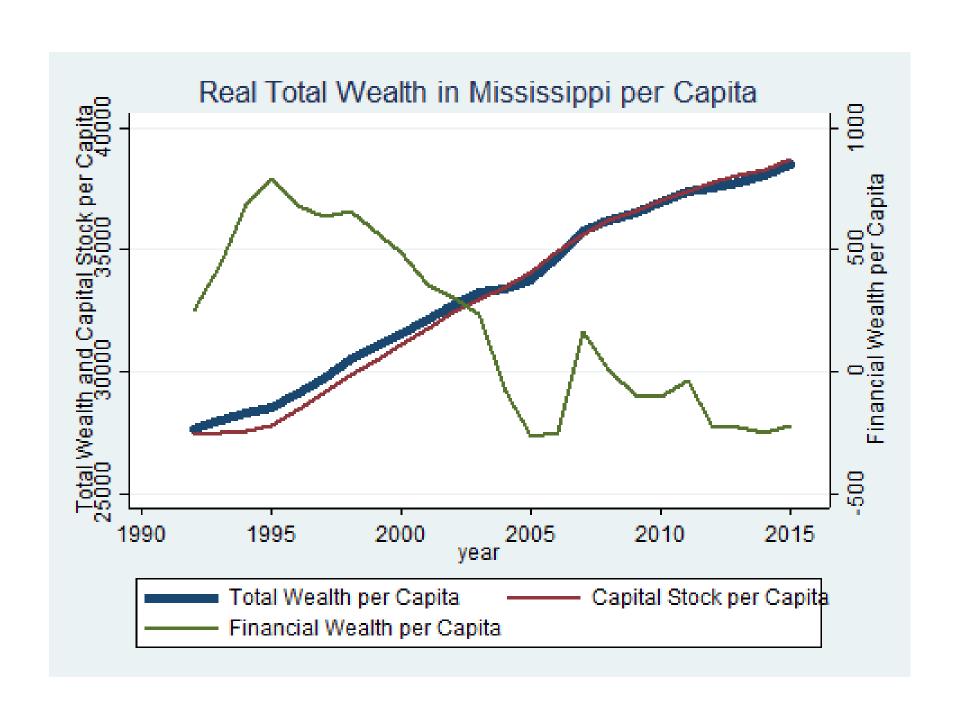


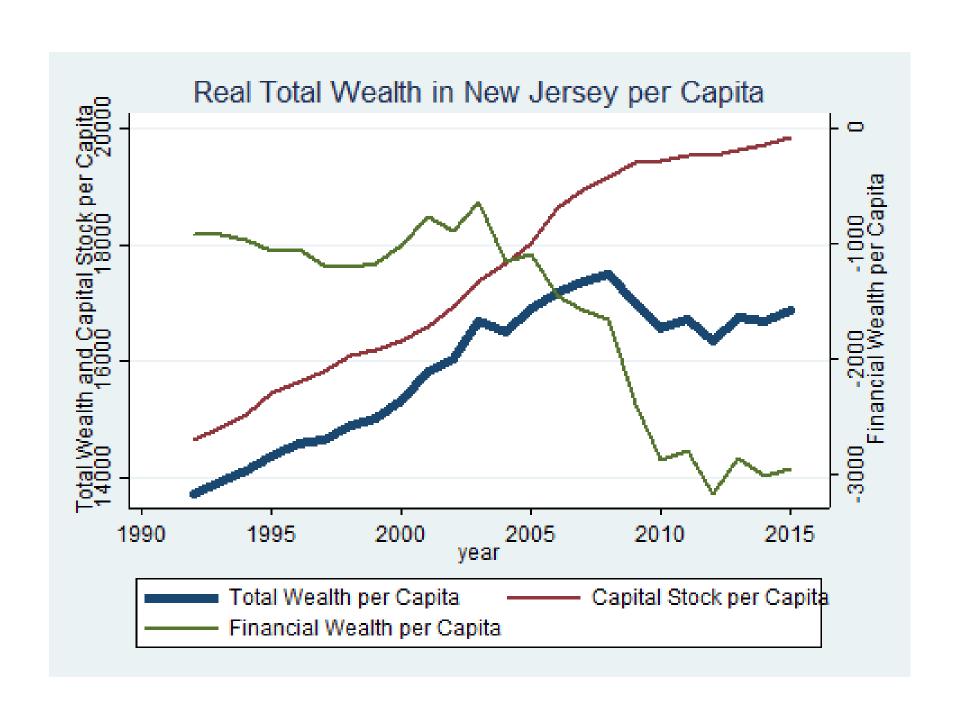


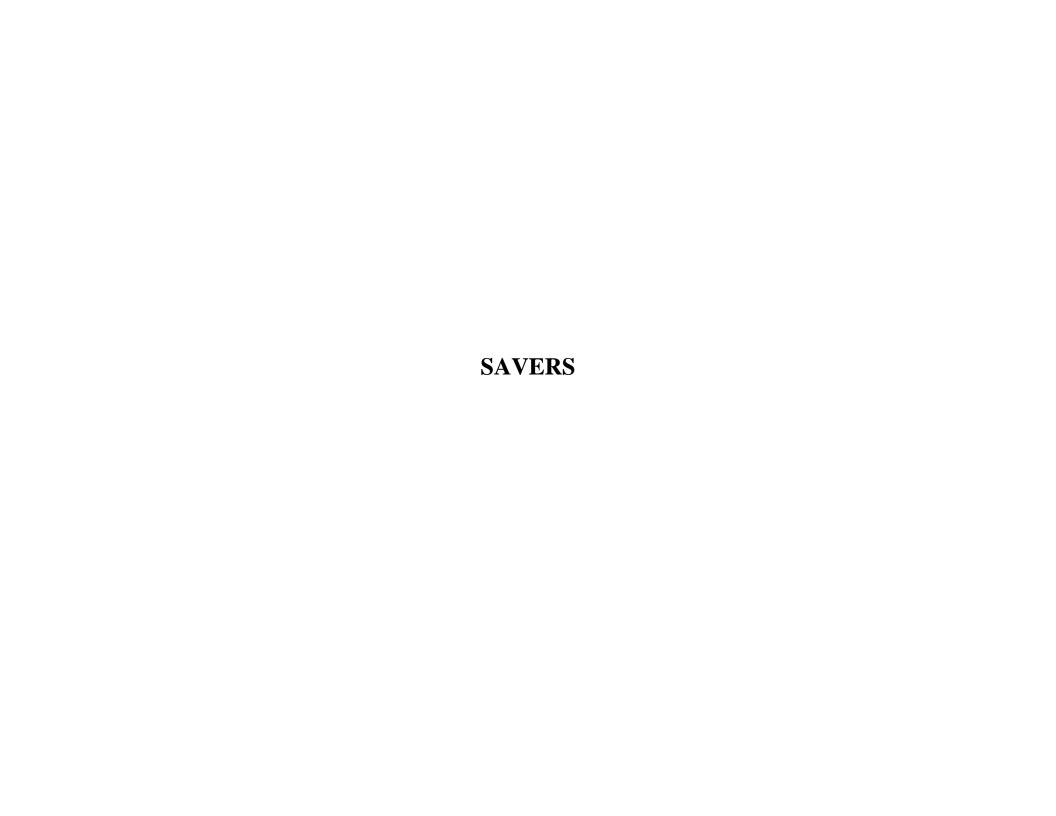


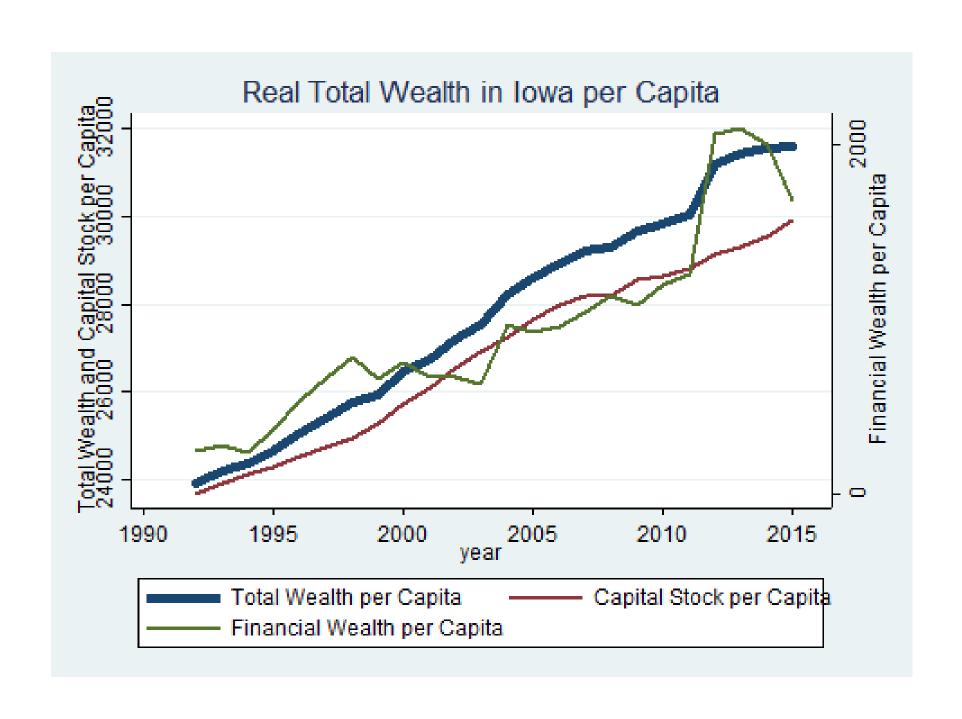


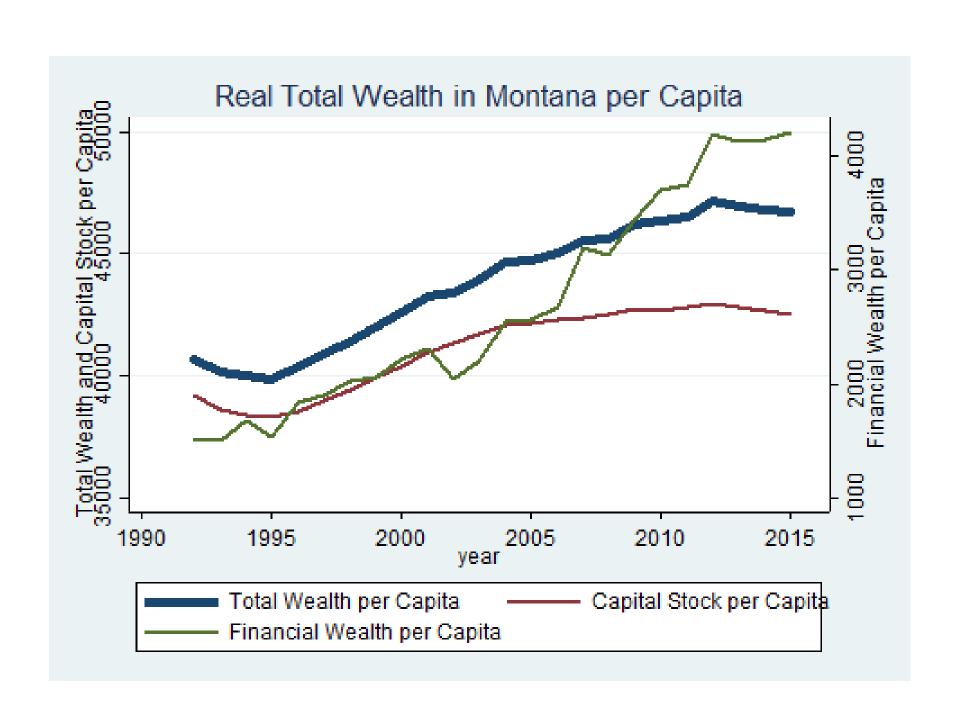


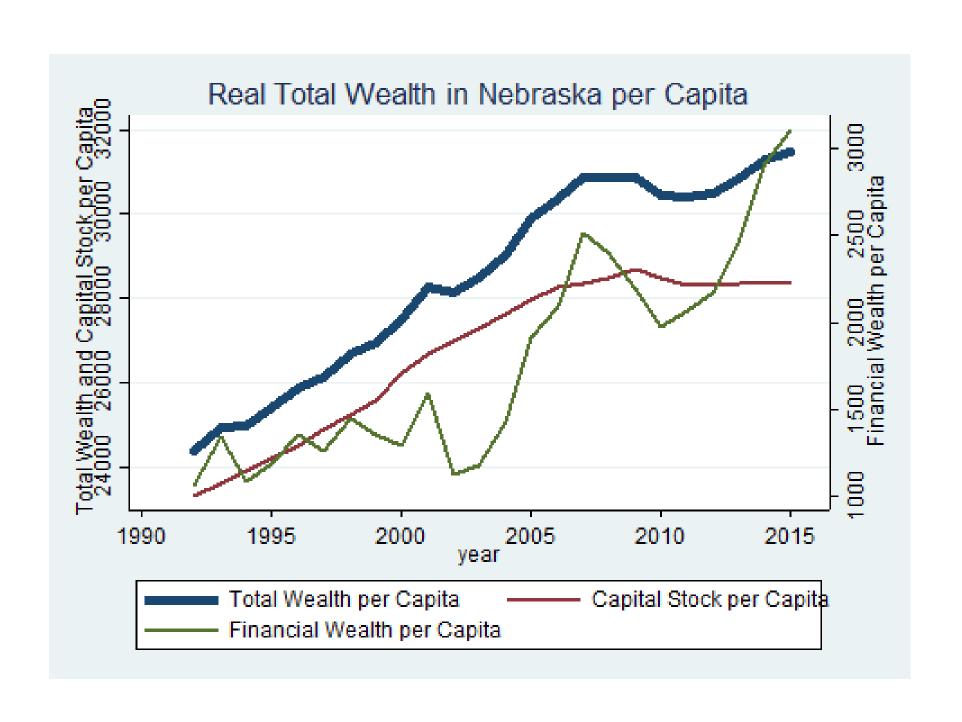


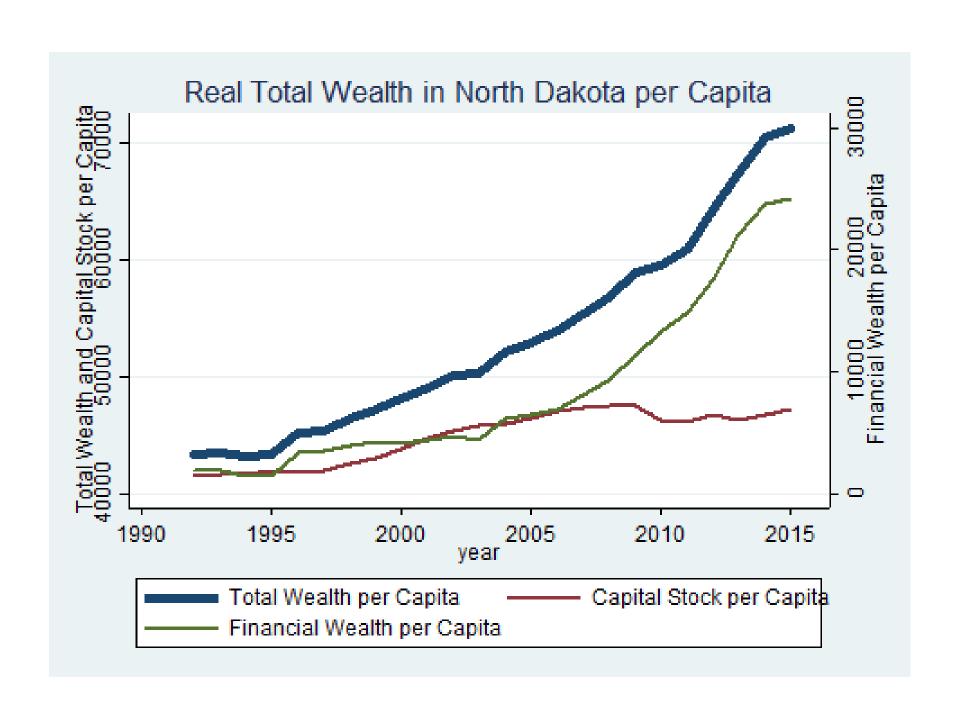


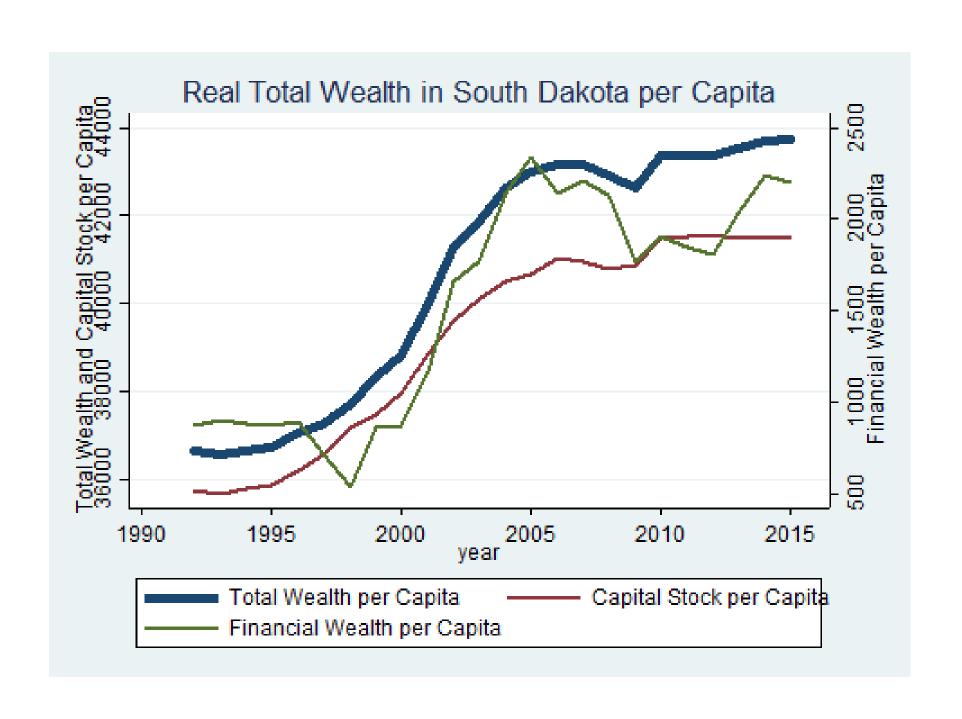


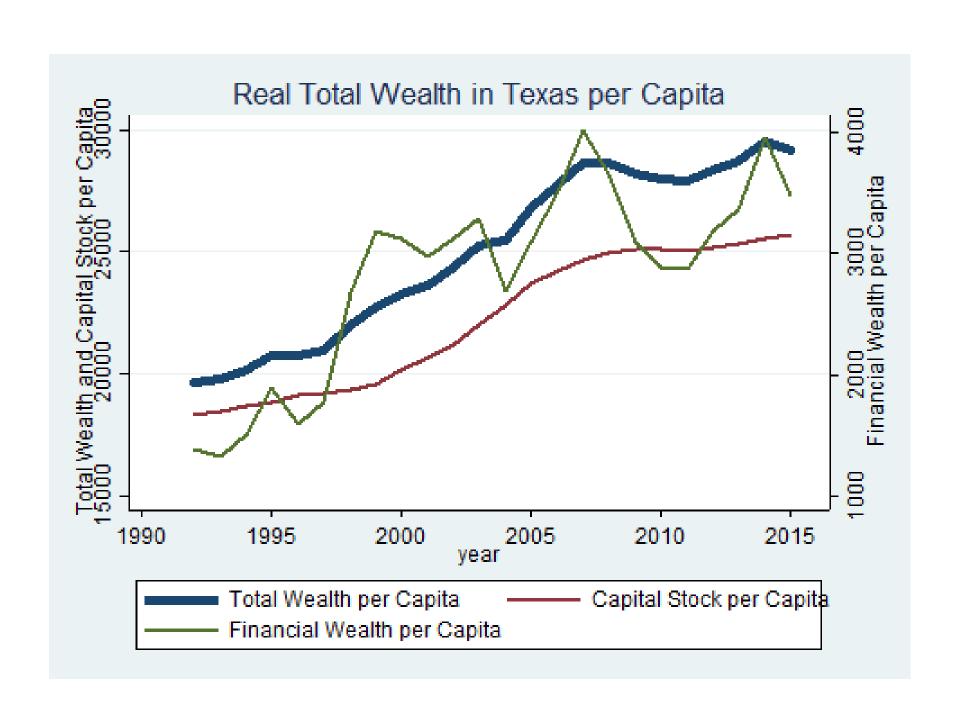


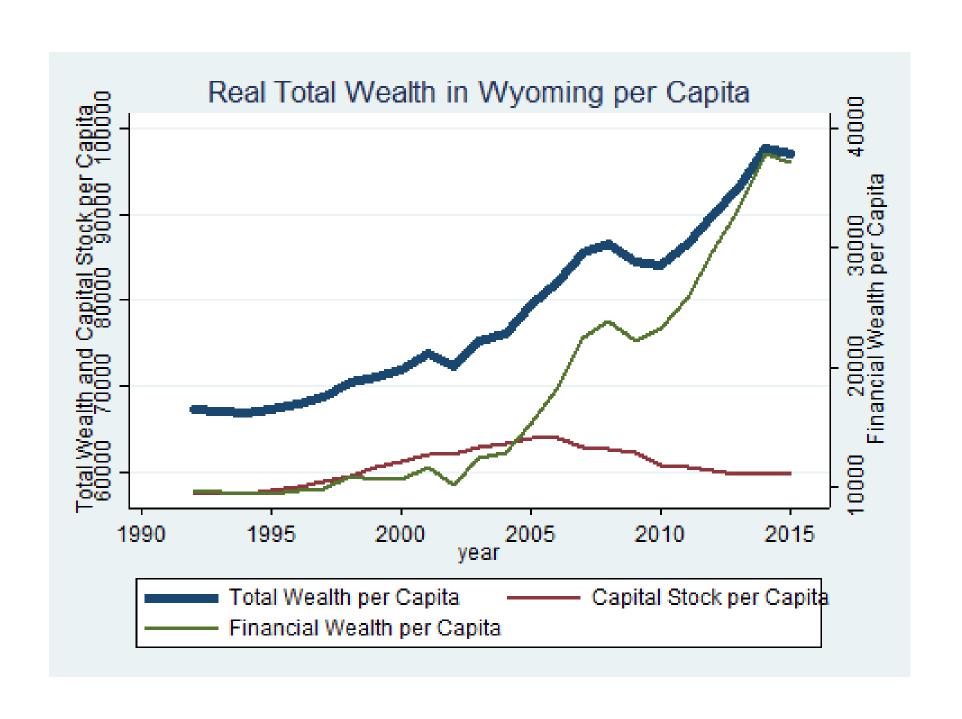












## SHOULD WE CARE? THE CONSEQUENCES OF FISCAL CRISES DISTRIBUTIONAL CONSEQUENCES

#### POTENTIAL WINNERS:

CURRENT TAXPAYERS RECEIVED SERVICES AT SUBSIDIZED "PRICES"

POTENTIAL LOSERS:

- FUTURE RESIDENT TAXPAYERS WHO NOW MUST COVER THE COSTS
  - "AUSTERITY BUDGETS" WITH TAX INCREASES AND SERVICE CUTS
    - BONDHOLDERS WHO ARE NOT FULLY REPAID
  - RETIREES WHO LOSE THEIR SOME OR ALL OF THEIR PENSIONS
    - FUTURE NON-RESIDENT TAXPAYERS IF "BAILOUT"

### **EFFICIENCY CONSEQUENCES**

#### STATIC INEFFICIENCY

SUBSIDIZED LABOR COSTS WITH PENSION UNDERFUNDING

EFFICIENCY LOSS ~ \$.20 FOR EACH DOLLAR OF LABOR SPENDING

SUBSIDIZED SERVICE COSTS WITH "COMMON POOL" SPENDING
EFFICIENCY LOSS ~ \$.20 TO .\$40 IN CURRENT ACCOUNTS SPENDING

#### DYNAMIC INEFFICIENCY

FISCAL CRISIS, UNEMPLOYMENT, and "AUSTERITY" BUDGETS

16 % DECLINE IN NATIONAL INCOME IN GREECE OVER 9 YEARS

PUBLIC INFRASTRUCTURE AND LOST CONTRIBUTION TO GROWTH

#### TO MANAGE DEFICIT FINANCING YOU NEED TO KNOW: WHY?

MOVERS' MOTIVATION: LEAVE BEFORE DEFICITS ARE DUE

(Young, Renters, Unemployed, and Elderly)

© COOPERATIVE STAYERS' MOTIVATION:

EFFICIENT "TAX SMOOTHING" DEFICITS

№ NON-COOPERATIVE STAYERS' MOTIVATION: EXTRACT A BAILOUT

(Financial Spillovers, Service Immiseration)

№ NON- COOPERATIVE STAYERS' MOTIVATION: OWN POLITICS

WEAK PARTIES: THE "COMMON POOL"

STRONG PARTIES: CONSTRAIN COMPETITORS

#### KNOWING WHY, WHAT SHOULD WE DO?

#### ■ BETTER MARKETS: CREDIBLE INFORMATION OF ANPW & NPW

#### ASSET MARKET CAPITALIZATION

#### REMOVE THE INCENTIVES FOR BAILOUTS

BETTER POLITICS: CREDIBLE INFORMATION OF ANPW & NPW

NOVY-MARX & RAUH (Journal of Finance, 2011); STATE BUDGET TASK FORCE

**RATING AGENCIES** 

BETTER REGULATION: CREDIBLE INFORMATION OF ANPW & NPW

**EX POST** 

 $\Delta NPW$ 

"OUTSIDE" ENFORCERS

## WHAT'S THE SOLUTION?



