

Hypothesis	Confounding variable(s)?
H1: Long-run real GDP growth is higher in states with lower government debt per capita	RGDPpc
H2: Long-run real GDP growth is higher in states with a higher % of college graduates	TaxRevpc
H3: Long-run real GDP growth is lower in states with higher and more progressive income taxes	RGDPpc
H4: Real GDP growth during the 2000s has been lower in states with larger manufacturing sectors	PopGrow
H5: Long-run wage growth is higher in states with higher % of employees represented by unions	LRGrow (LRGrw14)
H6: Long-run wage growth is lower in states with right-to-work laws	LRGrow (LRGrw14)
H7: Wage growth during the 2000s has been lower in states with higher % of their employees in manufacturing sector	UnionRep%
H8: State tax revenue per capita is lower in states with more frequent Republican control of the governorship	RGDPpc
H9: State income taxes are lower and less progressive in states with more Republican electorates	RGDPpc
H10: Total state and local government spending per capita is lower in states with more Republican electorates	RGDPpc (RGDPpc14)
H11: Total Medicaid spending per capita is higher in states with more frequent Democratic control of the state legislature	RGDPpc (RGDPpc14)
H12: Medicaid spending per capita on working-age, nondisabled adults is lower in states with more Republican electorates	RGDPpc (RGDPpc14)
H13: State and local government spending per capita on education is lower in states with more Republican electorates	College% RGDPpc (RGDPpc14)
H14: State and local government spending per capita on health care is lower in states with more Republican electorates	RGDPpc (RGDPpc14)
H15: Poverty rate is lower in states with more frequent Democratic control of the state legislature	RGDPpc
H16: Medicaid is more redistributive in states with more frequent Democratic control of the state legislature	Union% R2Work
H17: State and local government spending on health care is higher in states with higher % of union members	RGDPpc (RGDPpc14)
H18: Voter turnout in presidential elections is higher in states with election-day voter registration	PresComp
H19: Voter turnout in presidential elections is higher in states that allow early voting	PresComp
H20: Voter turnout in presidential elections is higher in states in which presidential elections are more competitive	College%
H21: State government debt per capita is lower in states that are required by law to <b>execute</b> a balance budget	RepGov%
H22: State government debt per capita is lower in states with more frequent Republican control of the governorship	RepLeg% LegControl
H23: Growth in manufacturing employment is lower in states with higher wage growth	PopGrow (PopGrw14)

H24: Growth in manufacturing employment is lower in states with higher % of employees represented by unions	PopGrow (PopGrw14)
H25: Growth in manufacturing employment is higher in states with right-to-work laws	PopGrow (PopGrw14)
H26: Population growth is higher in states with higher long-run economic growth	IncTaxRate
H27: Population growth is higher in states with lower and less progressive state income taxes	LRGrow (LRGrw14)
H28: State tax revenue per capita is higher in states with wealthier populations	Rep2Pty%

Hypothesis	Dependent variable	Independent variable(s)
H1	LRGrow	GvtDebtpc
H2	LRGrow	College%
H3	LRGrow	IncTaxRate
H4	LRGrow	Manu%
H5	WageGrw19	UnionRep%
H6	WageGrw19	R2Work
H7	WageGrw19	Manu%
H8	TaxRevpc	RepGov%
H9	IncTaxRate	Rep2Pty% (or RepLeg%)
H10	GvtSpend	Rep2Pty% (or RepLeg%)
H11	Medicaid	DemLeg%
H12	MCAdult	Rep2Pty% (or RepLeg%)
H13	Educ	Rep2Pty% (or RepLeg%)
H14	Health	Rep2Pty% (or RepLeg%)
H15	Poverty	DemLeg%
H16	MC_Prog	DemLeg%
H17	Health	Union%
H18	Turnout	ElecDay
H19	Turnout	EarlyVote
H20	Turnout	PresComp
H21	GvtDebtpc	BalBudget
H22	GvtDebtpc	RepGov%
H23	ManGrow	WageGrw14
H24	ManGrow	UnionRep%
H25	ManGrow	R2Work
H26	PopGrow	LRGrow
H27	PopGrow	IncTaxRate
H28	TaxRevpc	RGDPpc

Variable definitions:

- **LRGrow:** annual rate of growth of real GDP per capita from 1999-2019
- **GvtDebtpc:** state government debt per capita in 2015
- **College%:** % of state's adult population who are college graduates

- **IncTaxRate**: highest marginal tax rate in 2021 (zero if the state does not have income taxes)
- **Manu%**: % of state's employees who were in the manufacturing sector in 2014
- **Union%**: % of state's employees who are union members
- **UnionRep%**: % of state's employees who are represented by unions
- **R2Work**: Does the state have a right-to-work law? (Yes/No)
- **WageGrw19**: annual rate of growth of wages per employee from 1999-2019
- **WageGrw14**: annual rate of growth of wages per employee from 1999-2014
- **TaxRevpc**: state tax revenue per capita in 2019
- **RepGov%**: % of years from 1999-2019 with Republican governor
- **Rep2Pty%**: average Republican % of Republican-Democratic presidential vote total from 2008-2020
- **RepLeg%**: % of years from 1999-2019 with Republican majority control of both houses of the state legislature
- **DemLeg%**: % of years from 1999-2019 with Democratic majority control of both houses of the state legislature
- **GvtSpend**: total state & local government spending per capita in 2017
- **Medicaid**: total Medicaid spending per capita in 2018
- **MCAult**: Medicaid spending per capita on working-age, nondisabled adults in 2018
- **Educ**: state and local spending per capita on elementary and secondary education in 2017
- **Health**: state and local spending per capita on health care in 2017
- **Poverty**: % of state's population who are under the poverty line in 2019
- **MC\_Prog**: ratio of total Medicaid spending per capita and Medicaid spending per capita on working-age, nondisabled adults in 2018
- **Turnout**: average voter turnout for presidential elections from 2008-2020
- **ElecDay**: Does your state have election-day voter registration? (Yes/No)
- **EarlyVote**: How many days before presidential elections can voters cast their ballots?
- **PresComp**: absolute difference of average Republican 2-party presidential % from 50% for 2008-2020, i.e., absolute value of (Rep2Pty% - 50)
- **BalBudget**: Is your state's government required by law to execute a balanced budget? (Yes/No)
- **ManGrow**: annual rate of growth of manufacturing employment from 2014-2019
- **PopGrow**: annual rate of population growth from 1999-2019
- **RGDPpc**: Real GDP per capita in 2019
- **Farm%**: % of state's employees who worked in the Agricultural sector in 2014
- **LRGrw14**: annual rate of growth of real GDP per capita from 1999-2014
- **RGDPpc14**: Real GDP per capita in 2014
- **LegControl**: RepLeg% – DemLeg%
- **PopGrw14**: annual rate of population growth from 1999-2014
- **HiEduc**: state and local spending per capita on higher education in 2017
- **BondRate**: Standard & Poor's rating of the state's bonds in July 2017
- **BondRat2**: BondRate coded from 1 for AAA to 10 for BBB-