

PSC 202

SYRACUSE UNIVERSITY

INTRODUCTION TO POLITICAL ANALYSIS

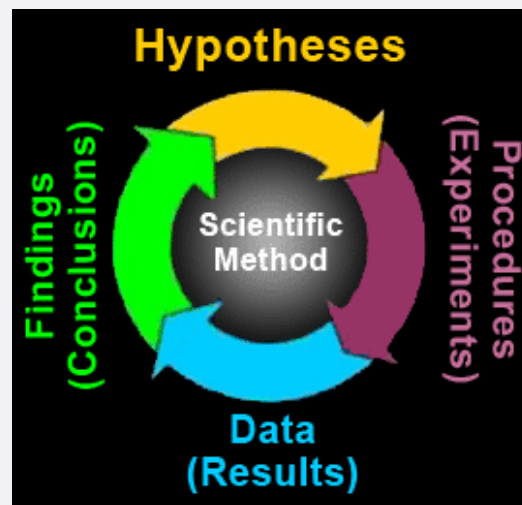
**DEVELOPING THEORIES IN POLITICAL
SCIENCE**

HOUSEKEEPING

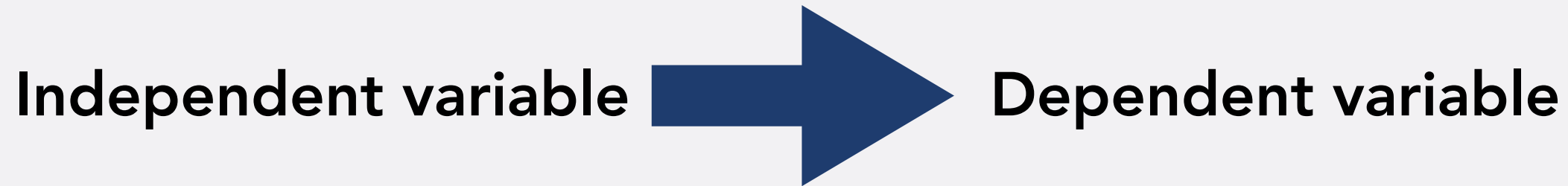
- **First problem set due on Friday**
- **Another reading quiz due Wednesday**

RECAP

- Formulate research question
- Propose explanation/theory, hypotheses
- Data collection process
- Use data to evaluate hypotheses
- Reassess explanation



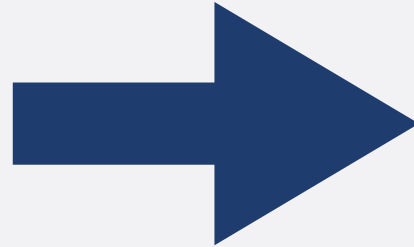
WHAT ARE WE TRYING TO DO?



- Ultimate goal of research project:
 - _____ causes _____
 - Higher _____ causes higher _____
 - Higher _____ causes lower _____

EXAMPLE

**Media/public
attention**



**Adoption of
unpopular policies**

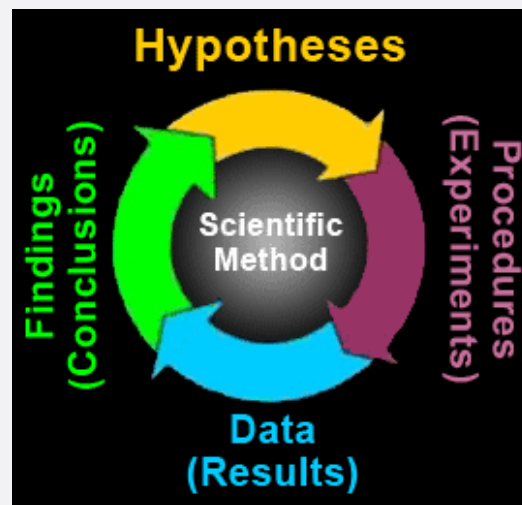
- **Research question: Do politicians adopt unpopular policies when media/public are distracted?**

GOOD RESEARCH QUESTIONS

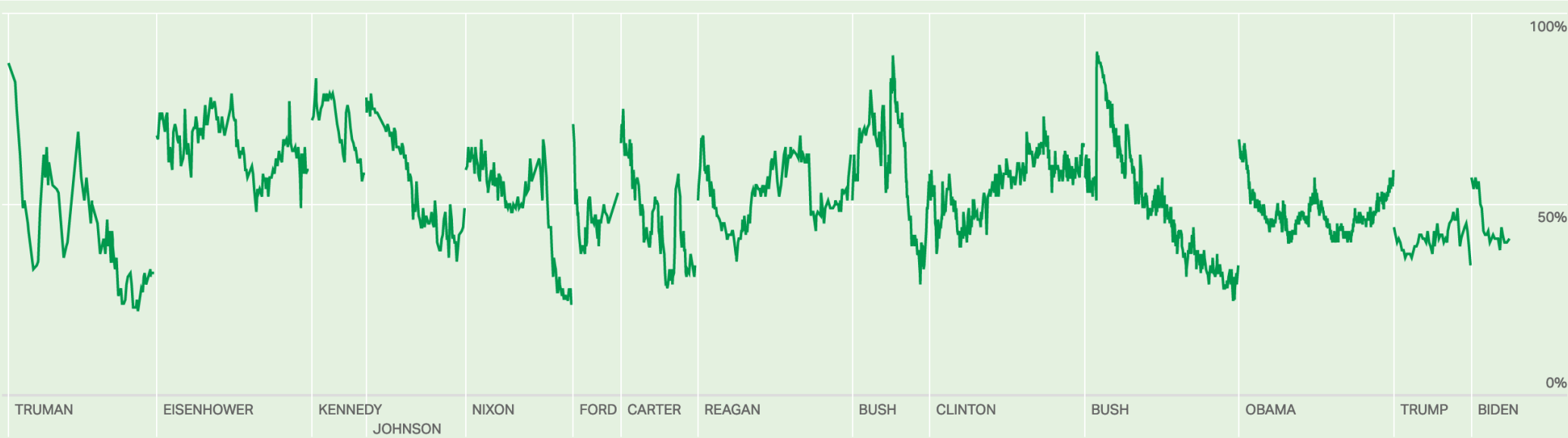
- You should care about your research question
- The question should not be normative
- The question should answer an important question in the real world and the scientific literature
- The question should not be too broad or too narrow

TODAY

- Formulate research question
- Propose explanation/theory, hypotheses
- Data collection process
- Use data to evaluate hypotheses
- Reassess explanation

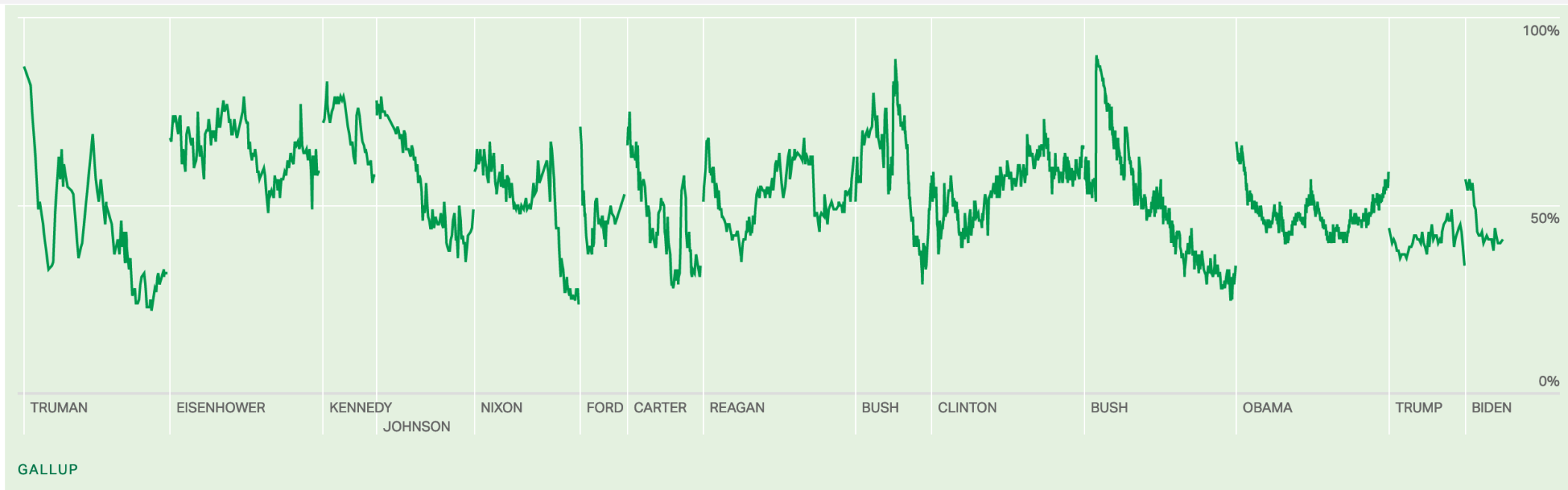


TODAY



GALLUP

TODAY



- What determines Presidential Approval Rating?

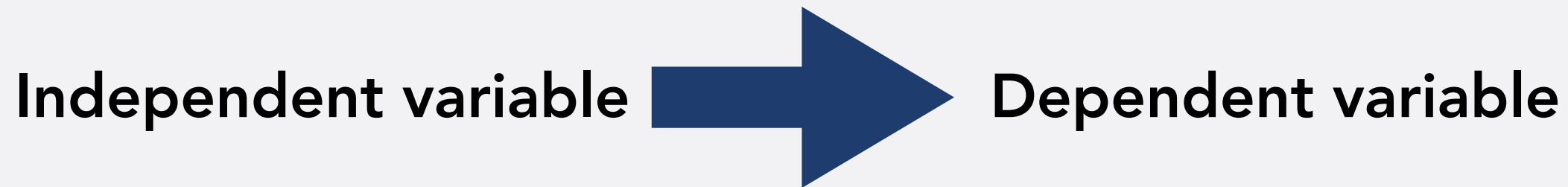
TODAY

- What is a theory and how does it look?
- What are hallmarks of good social science theories?

THEORY

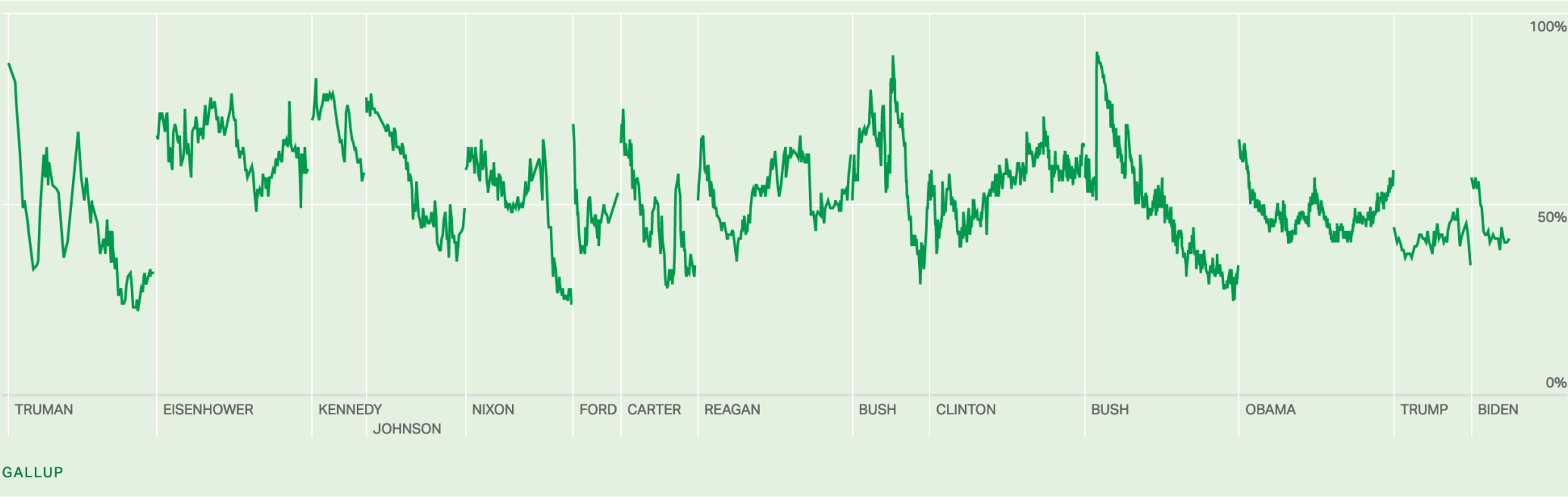
- **Theory: Description of how we think the world works**
 - with respect to our research question

THEORY

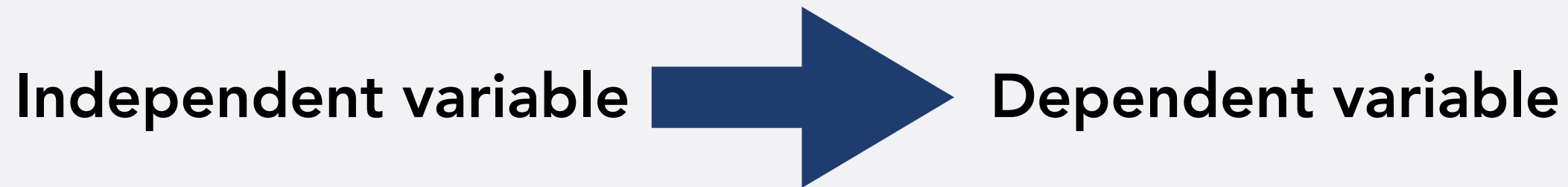


- Goal: Want to provide causal explanation for (variation in) dependent variable
 - Higher _____ causes higher _____
 - Or: Higher _____ causes lower _____

VARIATION

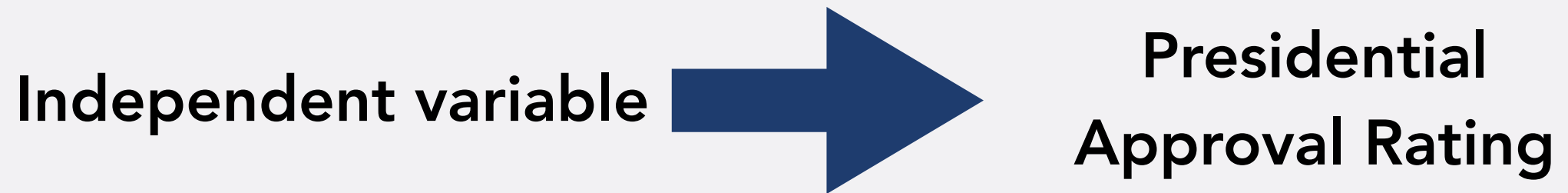


THEORY



- Goal: Want to provide causal explanation for (variation in) dependent variable
 - Higher _____ causes higher _____
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THEORY EXAMPLE



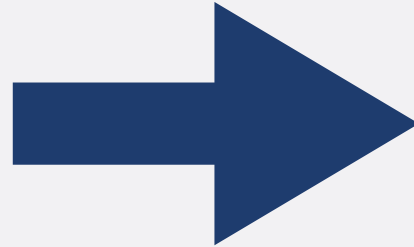
- Higher _____ causes higher Presidential Approval Ratings
- Or: Higher _____ causes lower Presidential Approval Ratings

THEORY EXAMPLE



EXAMPLE

Performance of
economy



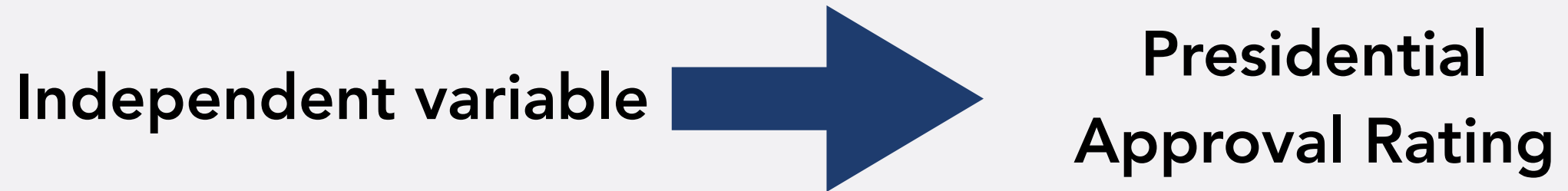
Presidential
Approval Rating

- Better economic performance causes higher Presidential approval rating

ITERATIVE APPROACH

- **First: "What determines Presidential approval rating?"**
- **Now: "What is the effect of economic performance on Presidential approval rating?"**
- **Back and forth between question and theory**
 - **Potential refinement: "What is the effect of the unemployment rate on Presidential approval rating?"**

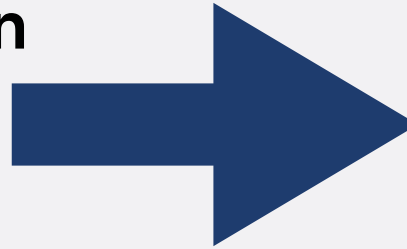
CAUSAL THEORY






- Cannot just propose any independent variable
- Need to answer: Why do you think that this independent variable is *causally* related to the dependent variable?

A BAD THEORY

**NFL: Whether Washington
wins last home game
before election**

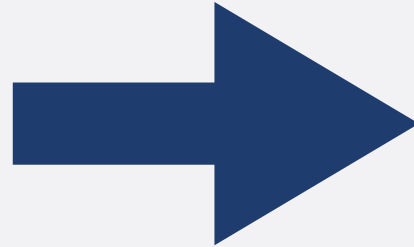


**Presidential election:
Whether incumbent
party wins again**

				
Year	Redskins Result	Election Result	Incumbent Party's White House Status	Rule Confirmed
1940	WIN vs. Steelers 37-10	Roosevelt (D) beats Willkie (R)	Keeps	Yes
1944	WIN vs. Rams 14-10	Roosevelt (D) def. Dewey (R)	Keeps	Yes
1948	WIN vs. Yanks 59-21	Truman (D) def. Dewey (R)	Keeps	Yes
1952	LOSE vs. Steelers 24-23	Eisenhower (R) def. Stevenson (D)	Loses	Yes
1956	WIN vs. Browns 20-9	Eisenhower (R) def. Stevenson (D)	Keeps	Yes
1960	LOSE vs. Brown 31-10	Kennedy (D) def. Nixon (R)	Loses	Yes
1964	WIN vs. Bears 27-20	Johnson (D) def. Goldwater (R)	Keeps	Yes
1968	LOSE vs. Giants 13-10	Nixon (R) def. Humphrey (D)	Loses	Yes
1972	WIN vs. Dallas 24-20	Nixon (R) def. McGovern (D)	Keeps	Yes
1976	LOSE vs. Cowboys 20-7	Carter (D) def. Ford (R)	Loses	Yes
1980	LOSE vs. Vikings 39-14	Reagan (R) def. Carter (D)	Loses	Yes
1984	WIN vs. Falcons 27-14	Reagan (R) def. Mondale (D)	Keeps	Yes
1988	WIN vs. Saints 27-24	Bush (R) def. Dukakis (D)	Keeps	Yes
1992	LOSE vs. Giants 24-7	Clinton (D) def. Bush (R)	Loses	Yes
1996	WIN vs. Colts 31-16	Clinton (D) def. Dole (R)	Keeps	Yes
2000	LOSE vs. Titans 27-21	Bush (R) def. Gore (D)	Loses	Yes
2004	LOSE vs. Packers 28-14	Bush (R) def. Kerry (D)	Keeps	No
2008	LOSE vs. Steelers 23-6	Obama (D) defeats McCain (R)	Loses	Yes
2012	LOSE vs. Panthers 21-13	Obama (D) defeats Romney (R)	Keeps	No
2016	WIN vs. Eagles 27-20	Clinton (D) v. Trump (R)	??	??

EXAMPLE

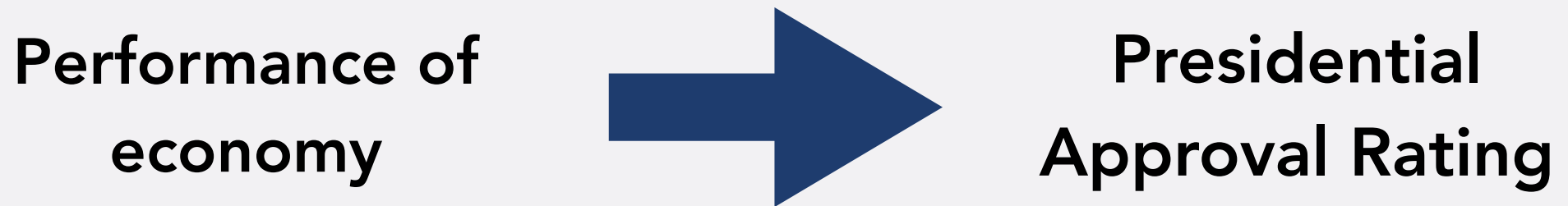
Performance of
economy



Presidential
Approval Rating

- Better economic performance causes higher Presidential approval rating
 - Why?

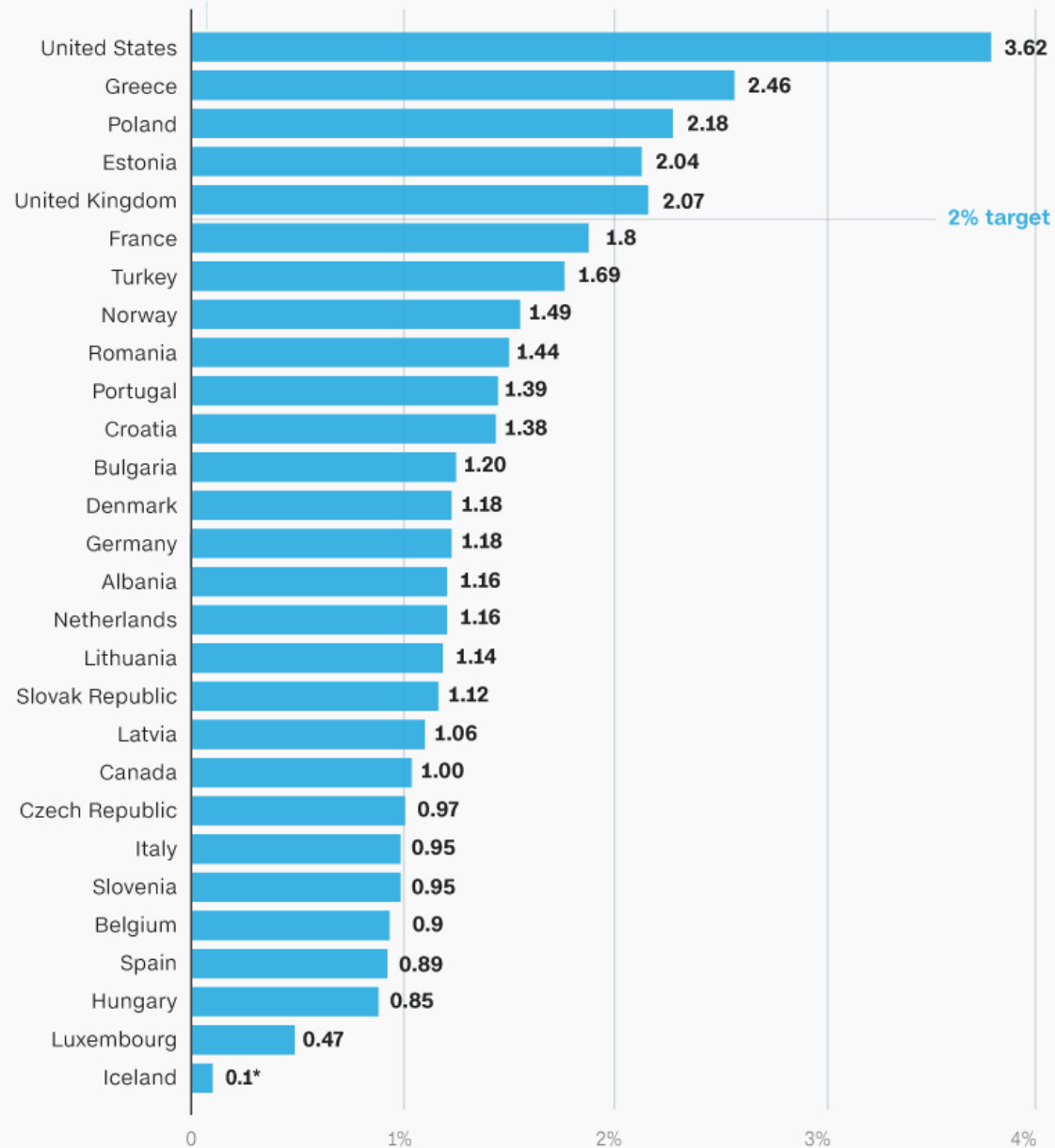
EXAMPLE



- Better economic performance causes higher Presidential approval rating
 - Causal explanation: Because state of economy allows voters to make inference about how competent President is

ANOTHER EXAMPLE

Spending as percentage of GDP:



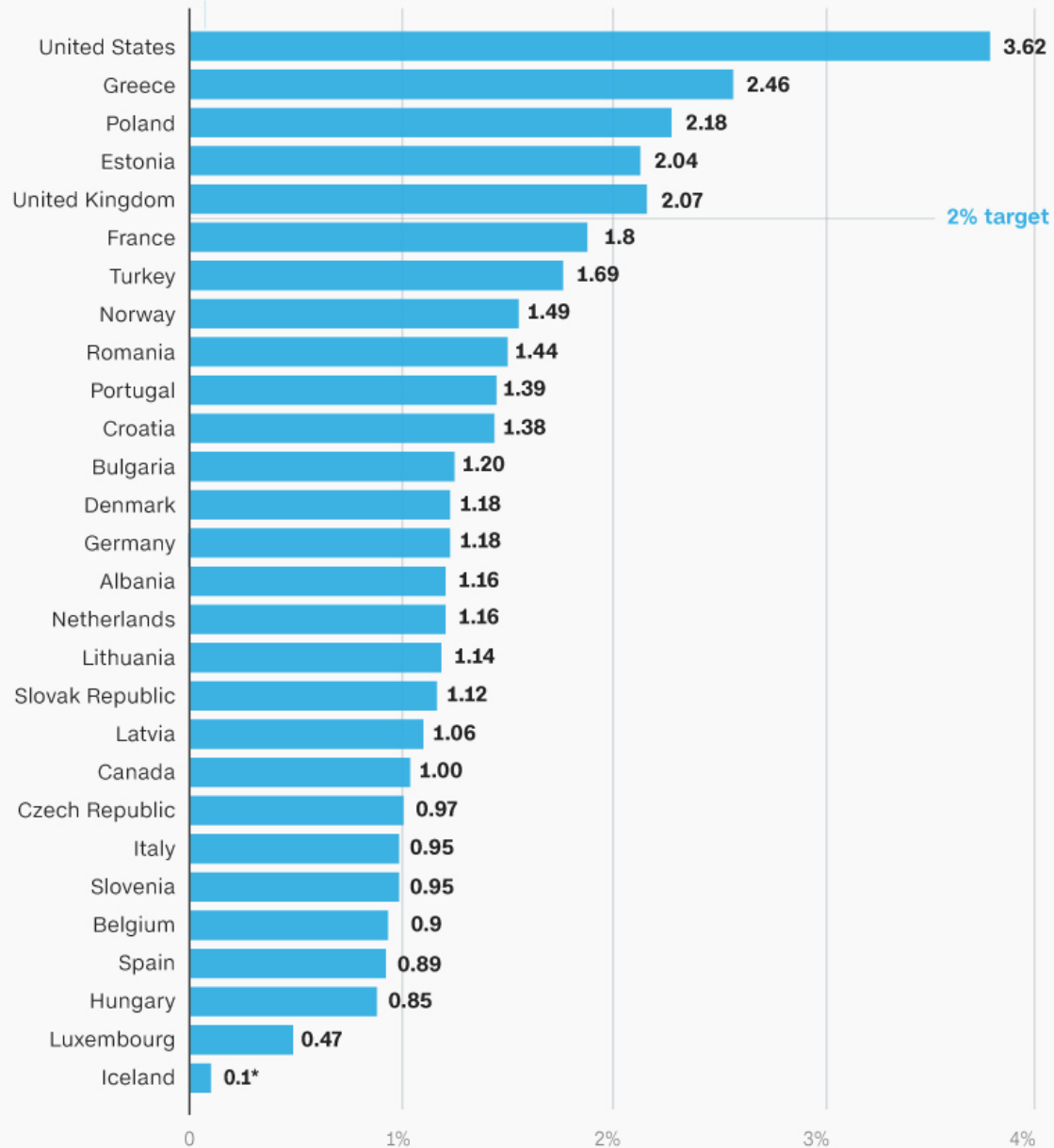
SOURCE: NATO
*ICELAND DOESN'T HAVE ARMED FORCES. DATA FOR ICELAND FROM WORLD BANK

AN ASIDE

- **Two types of variation to explain**
 - **cross-sectional variation**
 - variation between *different observations* at *same point in time*
 - e.g. military spending of different countries in a certain year
 - **time-series variation**
 - variation within the *same observation* over *time*
 - e.g. Presidential approval rating

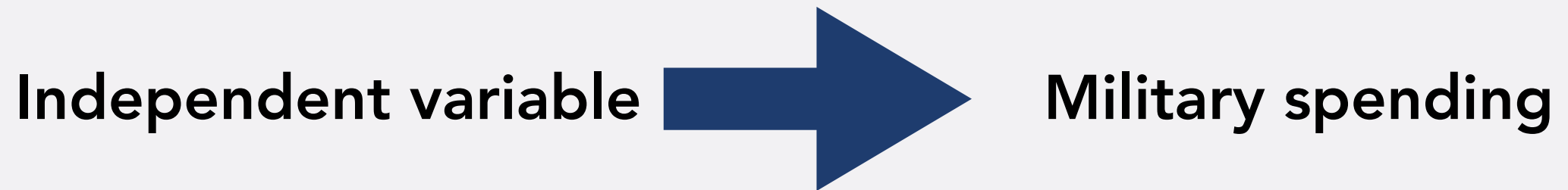
ANOTHER EXAMPLE

Spending as percentage of GDP:



SOURCE: NATO
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ANOTHER EXAMPLE



- Higher _____ causes higher military spending
- or: Higher _____ causes lower military spending

TODAY

- What is a theory and how does it look?
- What are hallmarks of good social science theories?

GOOD THEORIES

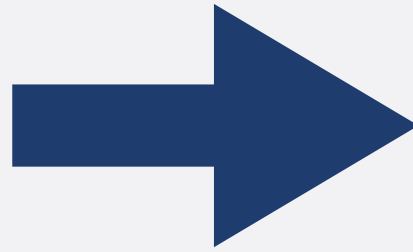
- *Good theory clarifies causal relationship between what does the explaining and what it to be explained*
 - Variable we want to explain: Dependent variable
 - Variable we use to explain the dependent variable: Independent variable
 - Theory must make clear *why* the independent variable explains the dependent variable (causal mechanism)

GOOD THEORIES

- **How to think about a causal mechanism**
 - **We examine human decision-making:**
 - Who are the actors that make the relevant decisions?
 - What are they trying to achieve?
 - What options do they have?
 - **How does the independent variable affect the relevant actors' decisions?**

EXAMPLE

**Performance of
economy**



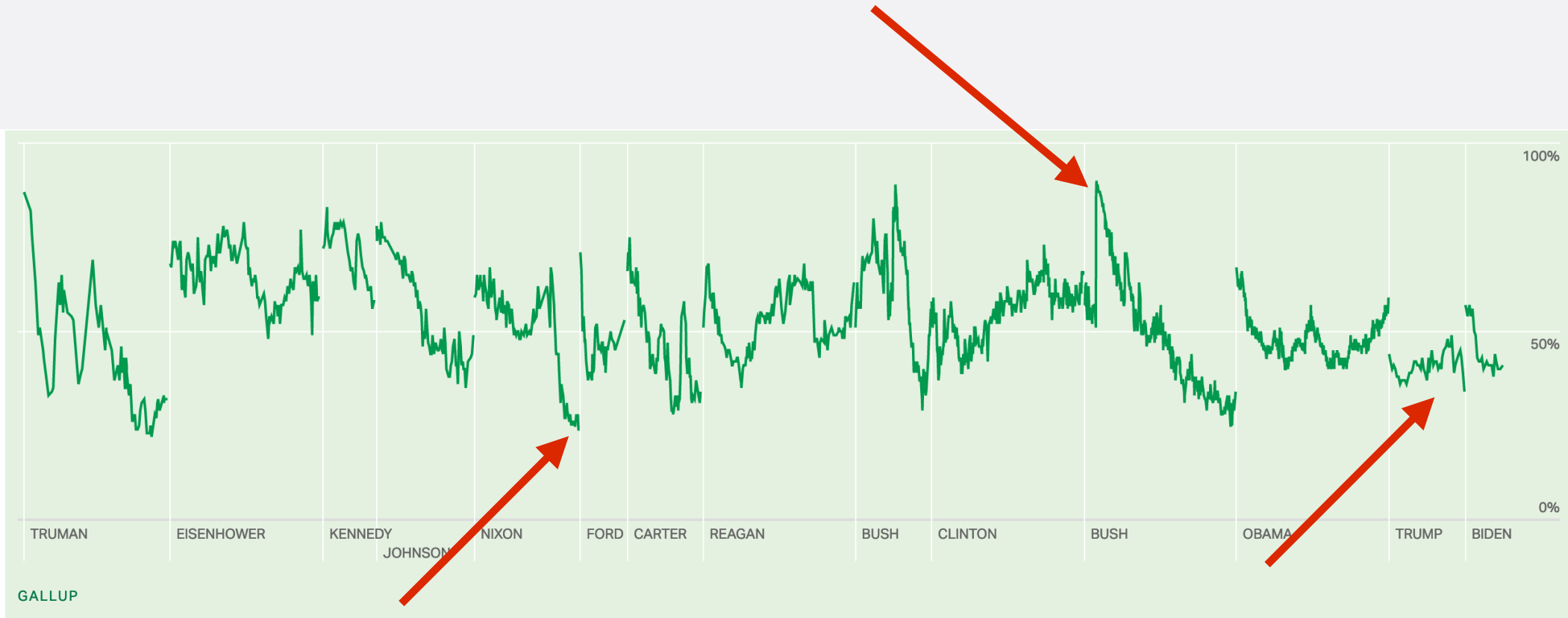
**Presidential
Approval Rating**

- Who are the actors that make the relevant decisions?
- What are they trying to achieve?
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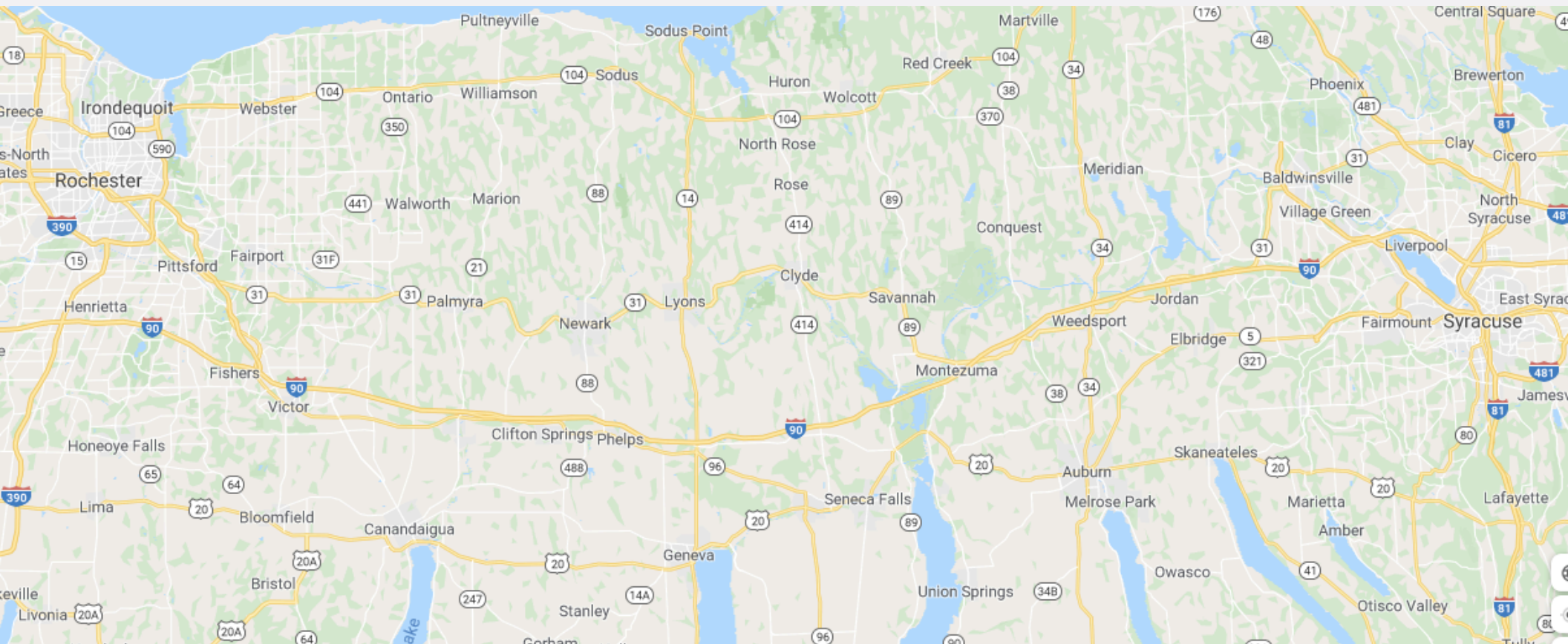
BUT...

- **Isn't such a simple theory unrealistic?**

YES...



YES, BUT...



THEORIES AS MAPS

- A theory is a map of how the world works
- Theory=simplification
- Simplification makes the theory useful
- Theory: Incomplete and simplified, but useful, description of social reality

GOOD THEORIES

- *Good theory concretely specifies the concepts it invokes*
 - Precisely explain what we mean by e.g. "performance of the economy"
 - Or "democracy", "corruption", etc.
 - Discuss in detail next class

GOOD THEORIES

- ***Good theory is falsifiable***
 - Falsifiable = can be proven wrong
 - Falsifiable \neq false: We don't aim to create theories that *are* false, but theories that *can potentially shown to be* false
 - "What evidence do I have to observe so I would conclude that a theory is wrong?"
 - If no answer to that, the theory is not falsifiable

GOOD THEORIES

- **Non-falsifiable theory: "The wars in Afghanistan and Iraq prevented terrorist attacks in the United States"**
- **Falsifiable theory: "Military invasions of states harboring terrorists reduce subsequent terrorist attacks"**