## Tuesday 2/18

Welcome!

### **Announcements:**

- Results for g12, g13 are posted on Blackboard
- Exercises g14, g15 are posted and due Friday 2/21
- Upcoming panel discussion on 2/27:

# THE PROPOSED DISMANTLING OF THE U.S. DEPARTMENT OF EDUCATION: WHAT'S AT STAKE FOR STUDENTS, FAMILIES, AND COMMUNITIES?

## **FEBRUARY 27, 2025**

#### 1:00-2:00 PM EST ZOOM

The new Presidential Administration has proposed to drastically reshape or even shut down the U.S. Department of Education. What does this department actually do for students and their families? Join our multidisciplinary panel of faculty experts who will discuss the history of the Department of Education; its various responsibilities (such as administering funds to support students from low-income families, administering college grants and student loans, enforcing students' civil rights, and collecting data on educational progress); arguments for shutting the department down; what the nominee for Secretary of Education and the Presidential Administration have said about what would happen to its various programs; and what its dismantling could mean for students, families, universities, and communities going forward.

All are welcome. Register in advance to receive the Zoom link: https://bit.ly/4b7Cn1Q



Robert Bifulco (Moderator)

Professor, Public Administration and International Affairs

Elizabeth Martin Michah W. Rothbart

Assistant Professor, Sociology Associate Professor, Public Administration and International Affairs

**Sean Drake** 

Assistant Professor, Sociology

Syracuse University
Maxwell School of
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Center for Policy Research

Communication Access Realtime Translation (CART) will be available. Please contact Alyssa Kirk at <u>amkirk@syr.edu</u> for additional accommodations.

https://www.maxwell.syr.edu/research/center-for-policy-research

**Program on Educational Equity and Policy** 

Tips:

• Python sets:

Data structure (like lists, dictionaries, tuples, Series, DataFrames)

- Unordered collection of unique elements
- Support set-theoretic operations
- Created via set() function or {}:

set1 = set()	Empty set
set2 = set( ["Alice", "Bob"] )	Set with two elements
set3 = {"Alice", "Bob", "Alice"}	Set with two elements
set4 = {"Chris", "Dora", "Alice"}	Set with three elements

Gotcha: similar to dictionaries but without the keys

• Can add and remove elements:

set1.add("Eliza")	set1 👉 {"Eliza"}
set1.update(["Fred","Gretchen"])	set1 👉 {"Eliza", "Fred", "Gretchen"}
set1.remove("Fred")	set1 👉 {"Eliza", "Gretchen"}

• Can test for membership:

• Can do set math:

set5 = set3.union(set4)	set5 🕝 {"Alice", "Bob", "Chris", "Dora"}
set6 = set3.intersection(set4)	set6 🕝 {"Alice"}
set7 = set3.difference(set4)	set7 🕝 {"Bob"}
set8 = set4 - set3	set8 🕝 {"Chris", "Dora"}
<pre>is_sup = set4.issuperset(set2)</pre>	is_sup 👉 True
<pre>is_sub = set2.issubset(set4)</pre>	is_sub 🕝 True

• **Key use case**: finding unique elements in a list:

a_list = ['d', 'b', 'a', 'c', 'd', 'b']	
uni = set(a_list)	uni 🕝 {'d', 'b', 'a', 'c'}