



<http://tinyurl.com/2dzbea59>

2 - 3:15PM



<http://tinyurl.com/46czd2ex>

5 - 6:15PM

- Function: Multiple parameter practice
- Activity 2
- Data biographies
- Bellevue Almshouse dataset

# Practice: Multiple parameters

Write a function that will help a user to calculate the budget for a trip in NYC. We will need to include parameters for `plane_ticket_price`, `hotel_rate_per_day`, `duration_of_trip`, and `subway_per_trip = 2.90`.

- You will need to:
  - calculate the total price of your hotel for the duration of the trip
  - calculate the total cost for using the subway (remember to calculate the round-trip for each day of the trip)
  - calculate the total cost of the whole trip and return the value

# Practice: Multiple parameters

Write a function that will help a user to calculate the budget for a trip in NYC. We will need to include parameters for `plane_ticket_price`, `hotel_rate_per_day`, `duration_of_trip`, and `subway_per_trip = 2.90`.

- Call the function with the following values:
  - `plane_ticket_price`: 450
  - `hotel_rate_per_day`: 120
  - `duration_of_trip`: 5

# Activity 2

# Data Biographies

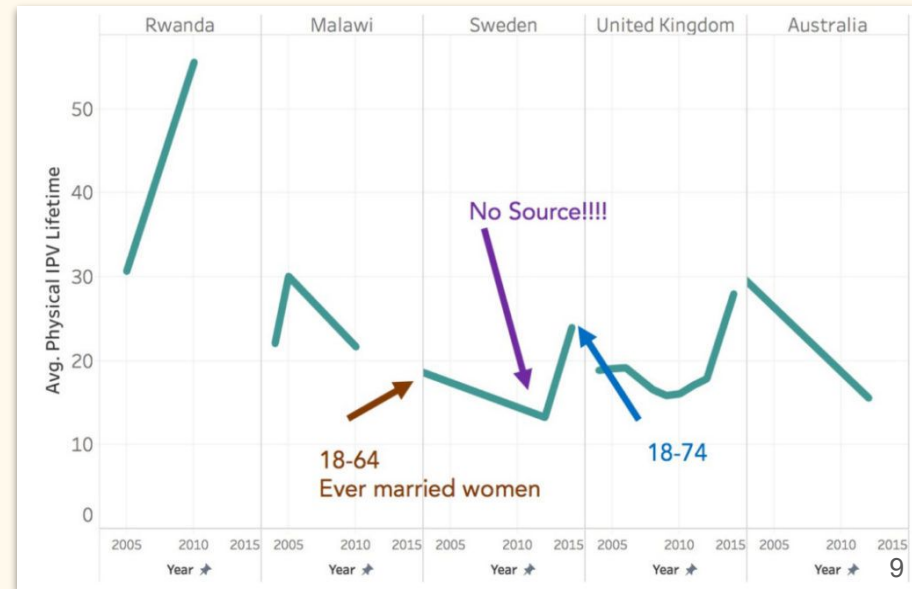
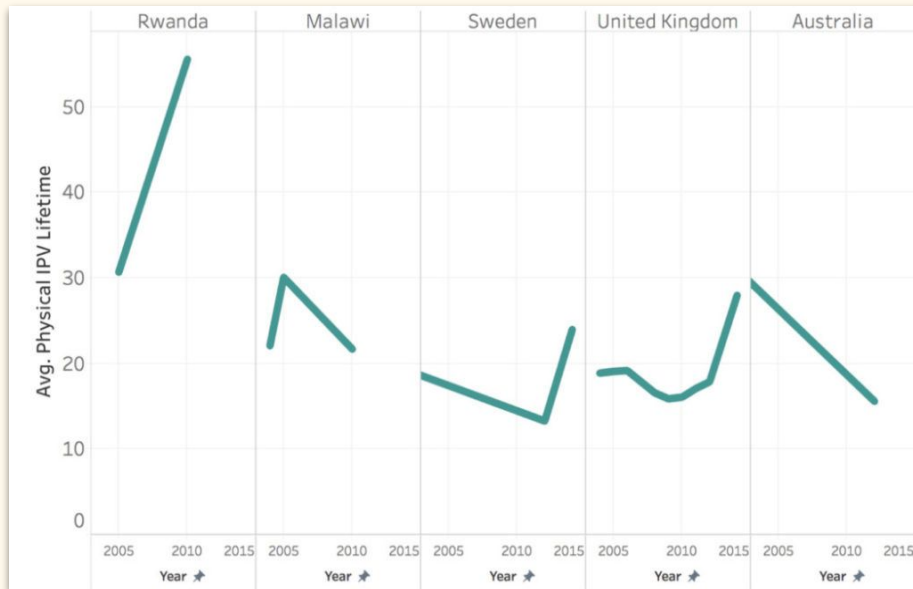
# Getting to Know Your Data

- **Where** did it come from?
- **Who** collected it?
- **How** was it collected?
- **When** was it collected?
- **Why** was it collected?
  - What was the intention of collecting the data?
  - What are the consequences of this data in the world?
  - What does this data reflect about the world?



# Without knowing your data...

- trends that may look like significant changes in rates could actually be variations in the data collection

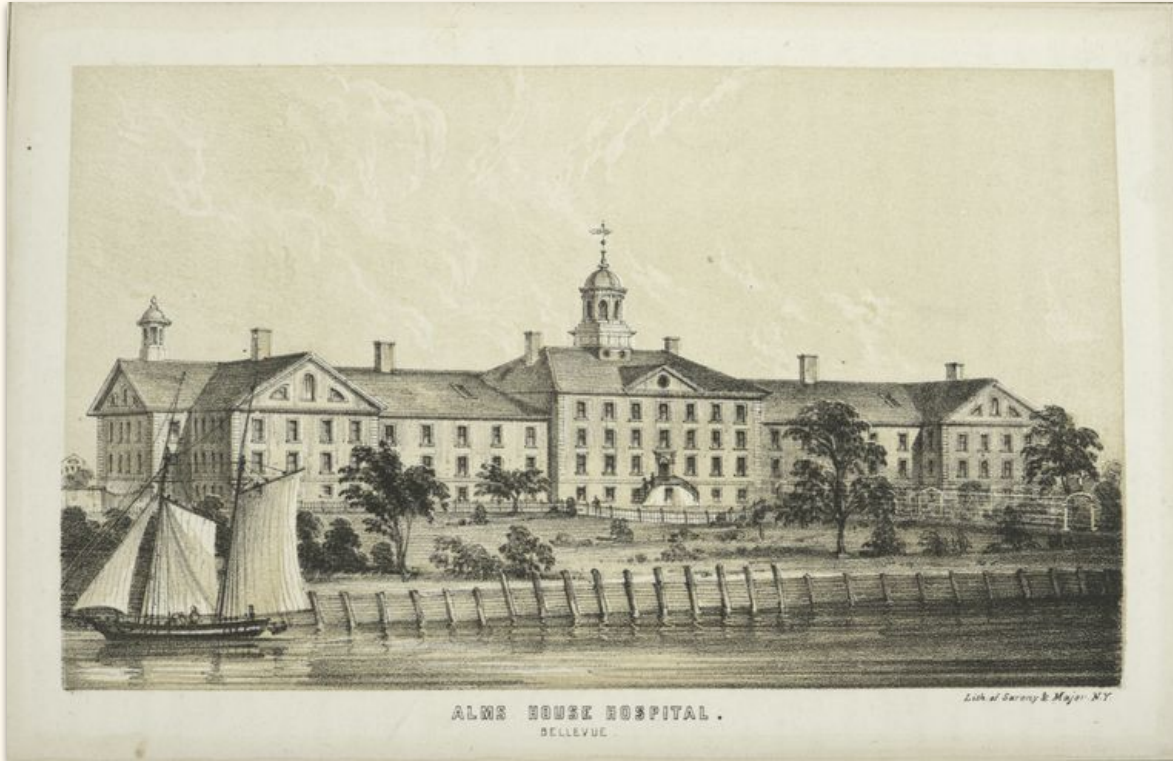


## But also consider...

- What isn't collected?
- What is lost in the collection?
- Who is lost in the collection?

# Bellevue Almshouse Dataset

# History of Bellevue Hospital



# Bellevue Almshouse admission ledger

Bellevue Almshouse						April 1847						
Date.	Name.	Age.	Place of Birth.	Occupation.	By whom	sent.	Disease.	Men.	Women.	Boys.	Girls.	Remarks.
1847								121	42	33	30	
April 17	John Sheridan	32	Ireland	Painter	G. A. Anderson	Jas Donnelly	Dist Empress					Wounded Ship, Ulster, July, 1846. Taken out of Army
" 18	Joseph Jessell	7	New York		M. Leonard	Common Prisoner	Wrestling					Wounded 83.
" 19	Melanie	25	New Jersey	Widow	Herbert	E. Withersell	Sickness					
" 20	Mary Gallagher	28	Ireland	Married	Suber...	John Gilbert	Dist Empress					Wounded Ship, 1846. Taken out of Army
" 21	Patrick Gilloon	68	do	Sabotier	G. W. Anderson	Jas Donnelly	Intemperance					
" 22	Jane Kay	30	Scotland	Married	do	P. B. Johnston	Dist Empress					Wounded Ship, Cronstadt, 1846. Taken out of Army
" 23	Alexander	10	do		do	do	do					do
" 24	James	8	do		do	do	do					do
" 25	Mary	5	do		do	do	do					do

# Digitizing the Bellevue Almshouse admission ledger

	date_in	first_name	last_name	age	disease	profession	gender	children
<b>0</b>	1847-04-17	Mary	Gallagher	28.0	recent emigrant	married	w	Child Alana 10 days
<b>1</b>	1847-04-08	John	Sanin (?)	19.0	recent emigrant	laborer	m	Catherine 2 mo
<b>2</b>	1847-04-17	Anthony	Clark	60.0	recent emigrant	laborer	m	Charles Riley afed 10 days
<b>3</b>	1847-04-08	Lawrence	Feeney	32.0	recent emigrant	laborer	m	Child
<b>4</b>	1847-04-13	Henry	Joyce	21.0	recent emigrant	NaN	m	Child 1 mo
...	...	...	...	...	...	...	...	...
<b>9579</b>	1847-06-17	Mary	Smith	47.0	NaN	NaN	w	NaN
<b>9580</b>	1847-06-22	Francis	Riley	29.0	lame	superintendent	m	NaN
<b>9581</b>	1847-07-02	Martin	Dunn	4.0	NaN	NaN	m	NaN
<b>9582</b>	1847-07-08	Elizabeth	Post	32.0	NaN	NaN	w	NaN
<b>9583</b>	1847-04-28	Bridget	Ryan	28.0	destitution	spinster	w	NaN

9584 rows x 8 columns

# Explore: The Bellevue Almhouse dataset

Using [the project page](#) on the Bellevue Almhouse dataset as a starting point, gain a better understanding of the collected data

- Where did the dataset come from?
- Who was collecting the dataset?
- How was the dataset collected?
- Why was dataset collected?