



**NYU** | TANDON SCHOOL  
OF ENGINEERING

# Lab 5

## Date and Time

Programming for Business Analytics  
MG-GY 8401



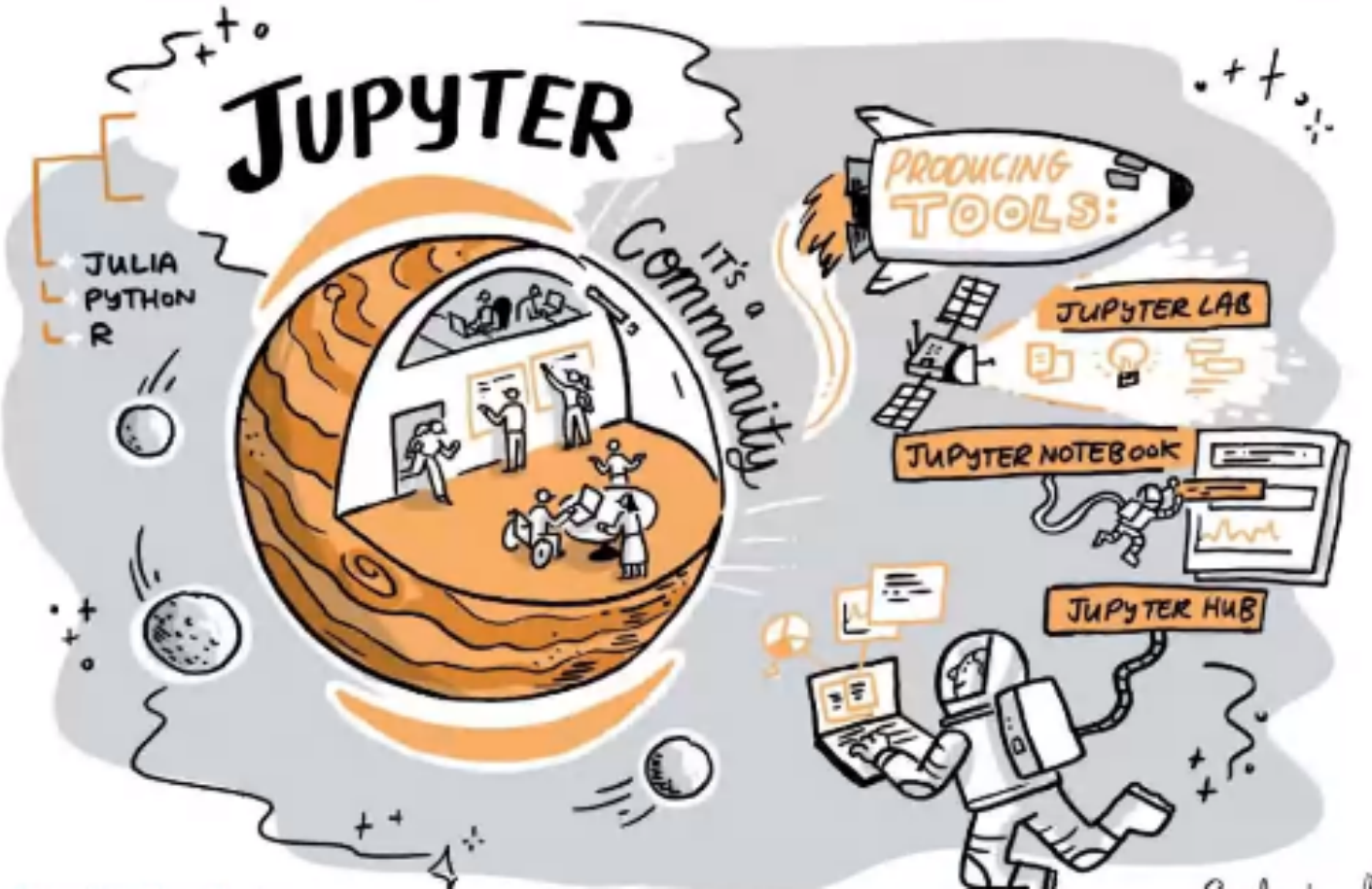
NYU

TANDON SCHOOL  
OF ENGINEERING



## Agenda

- Dates
- Concatenation
- Join



- Describe the learning objectives.
- Summarize the relevant take-aways.
- Ask about unclear information.



NYU

TANDON SCHOOL  
OF ENGINEERING



CENTERS FOR DISEASE<sup>™</sup>  
CONTROL AND PREVENTION

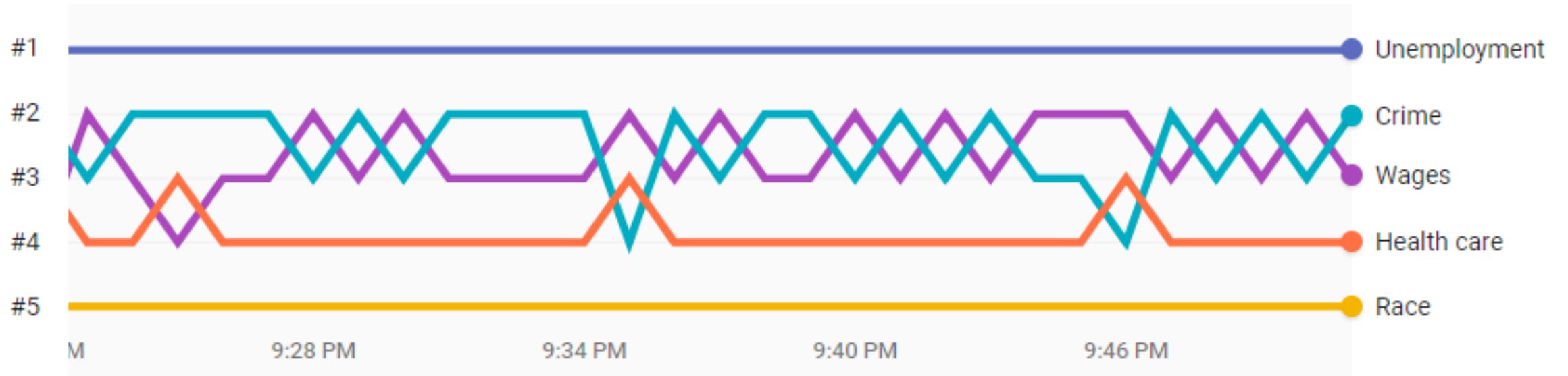


NYU

TANDON SCHOOL  
OF ENGINEERING



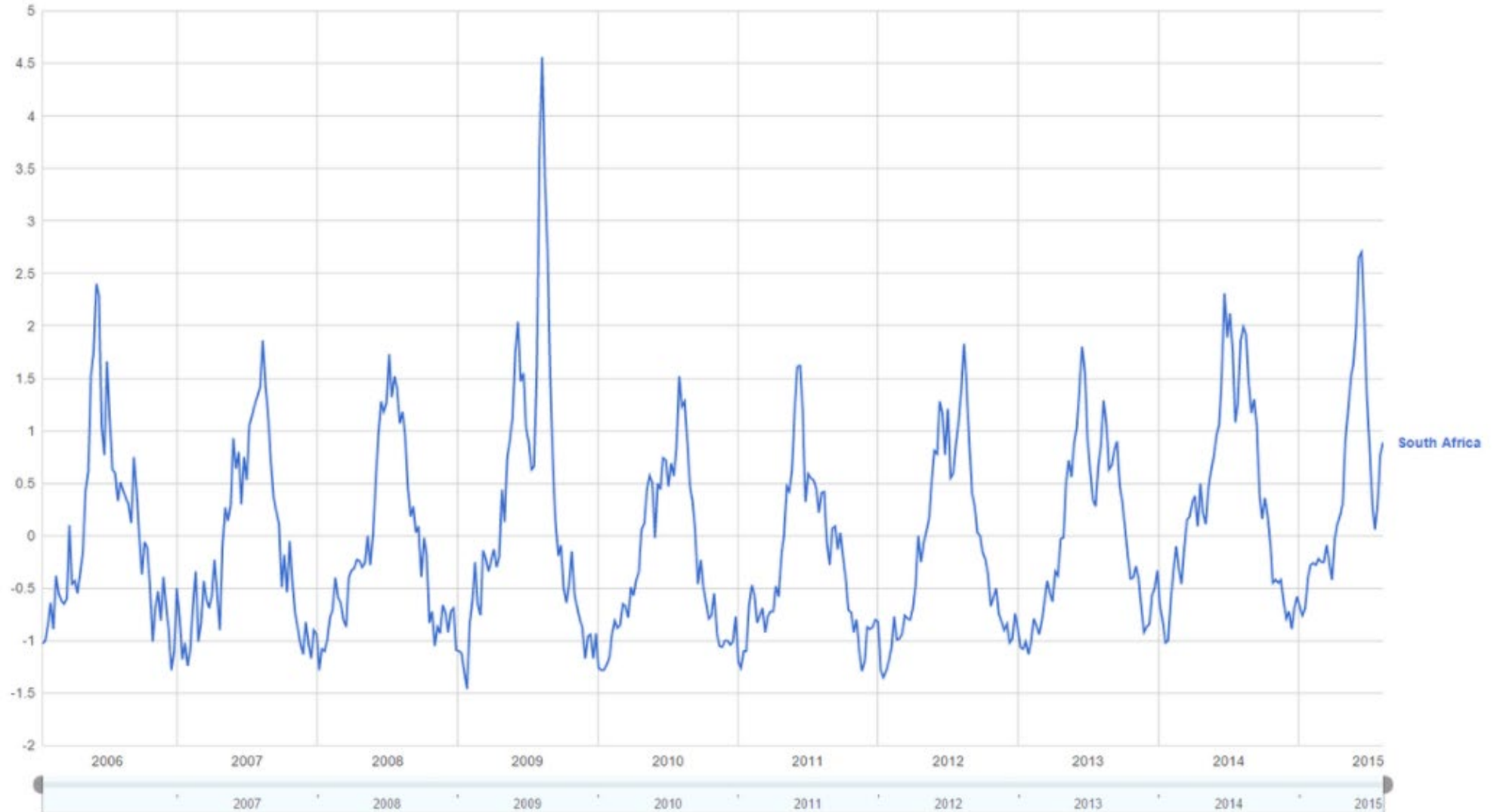
EUROPEAN CENTRE FOR  
DISEASE PREVENTION  
AND CONTROL







Flu search activity (standard deviation from baseline) ?





*“The earlier the warning, the earlier prevention and control measures can be put in place, and this could prevent cases of influenza...From 5 to 20 percent of the nation’s population contract the flu each year, leading to roughly 36,000 deaths on average.”*





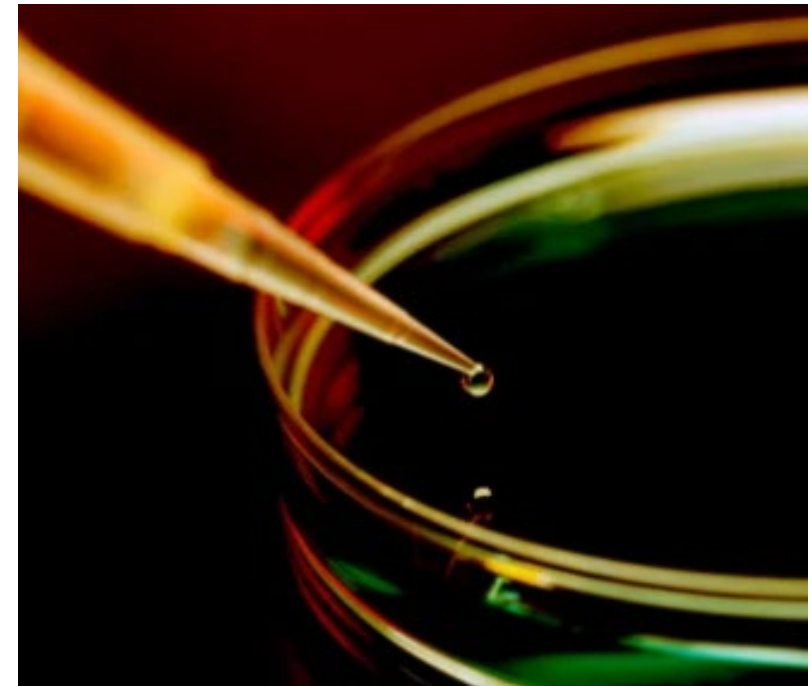
DAVID LAZER AND RYAN KENNEDY

10.01.15 07:00 AM

WIRED

# What We Can Learn From the Epic Failure of Google Flu Trends

EVERY DAY, MILLIONS of people use Google to dig up information that drives their daily lives, from how long their commute will be to how to treat their child's illness. This search data reveals a lot about the searchers: their wants, their needs, their concerns—extraordinarily valuable information. If these searches accurately reflect what is happening in people's lives, analysts could use this information to track diseases, predict sales of new products, or even anticipate the results of elections.



Write a function called  
**find\_pairs**

- Input: A list of integers
- Output: Two entries from the list that add up to 10

**[3, 4, 1, 2, 9] -> (1, 9)**