





#### Data science for all!





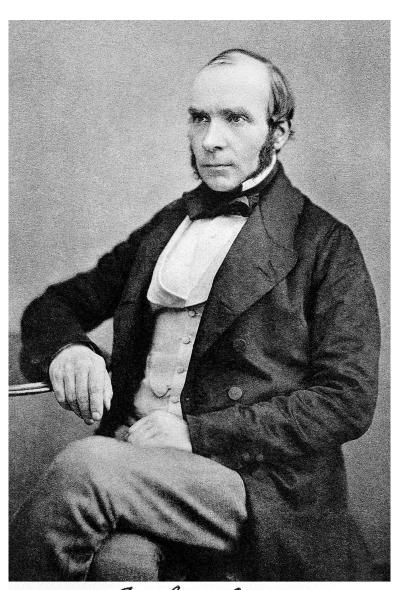
#### **CHOLERA: AN ICKY PROBLEM**

KOL-CT-Uh.

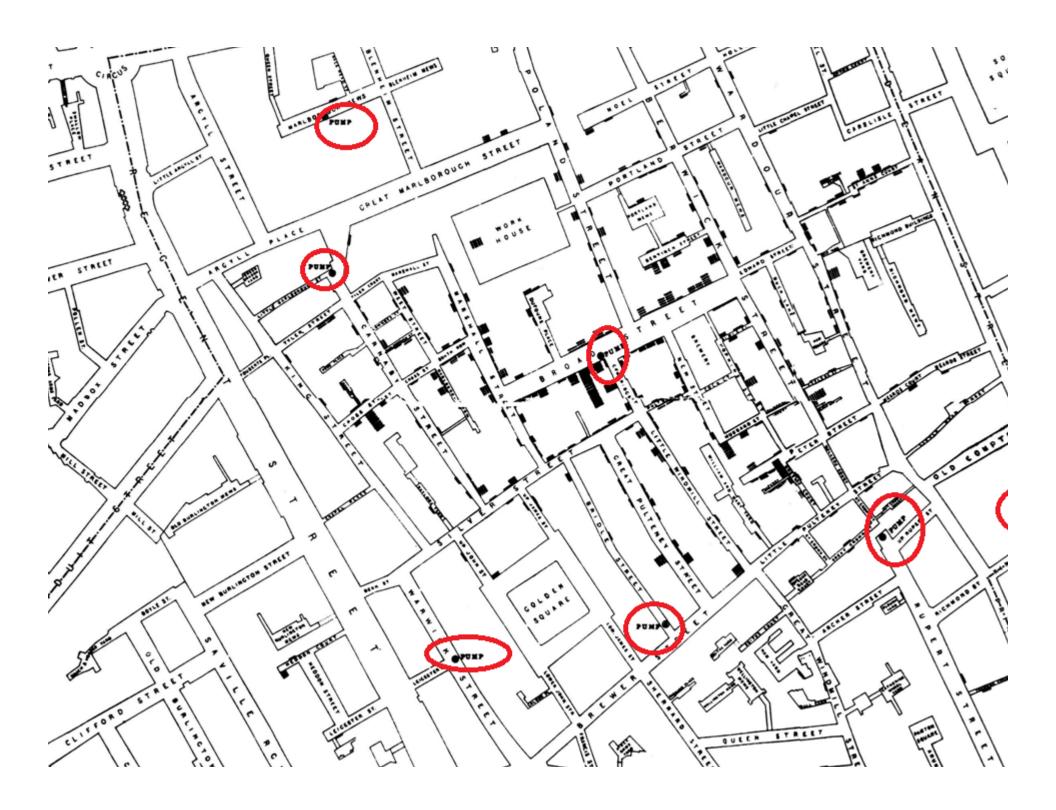
CONTAMINATED MEANS IMPURE, HARMFOL, AND UNUSABLE.

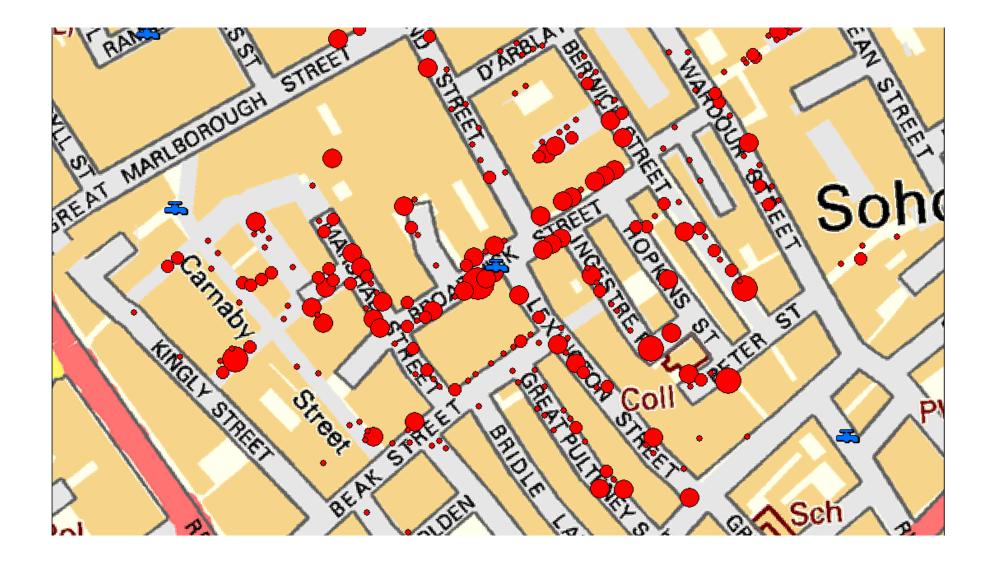
MIASMA MEANS A BAD ATMOSPHERE; GERMS OR BAD SMELLS OR POLLUTANTS IN THE AIR.

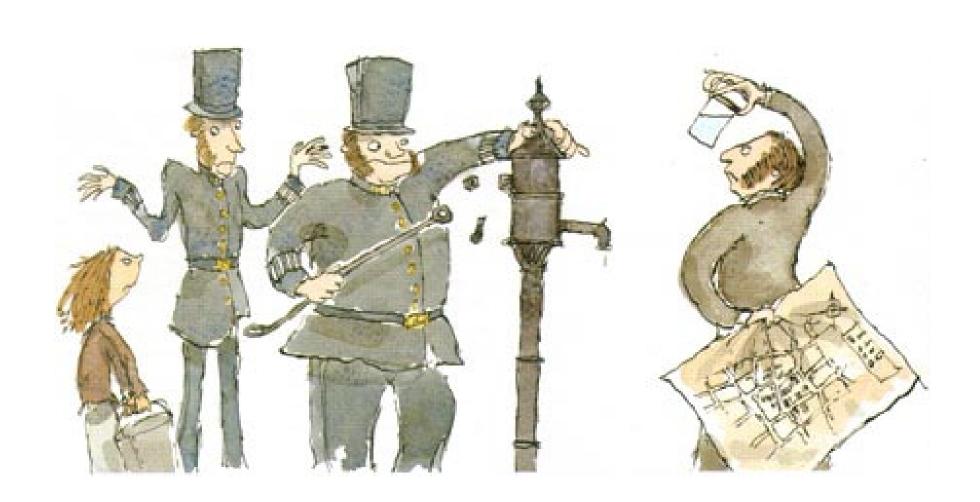




John Inow









# Oh, oh. There's a problem!



## Let us solve this problem!

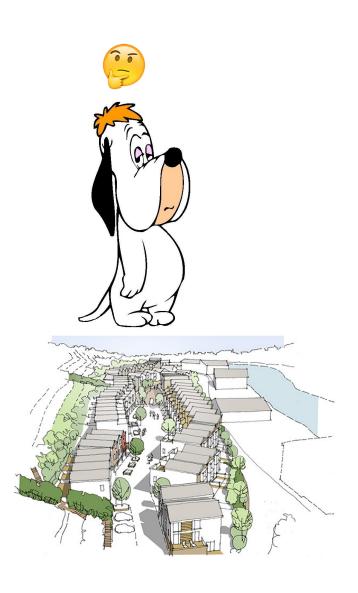








### Our aim



Is to find out what factors can help determine the cause of the sickness

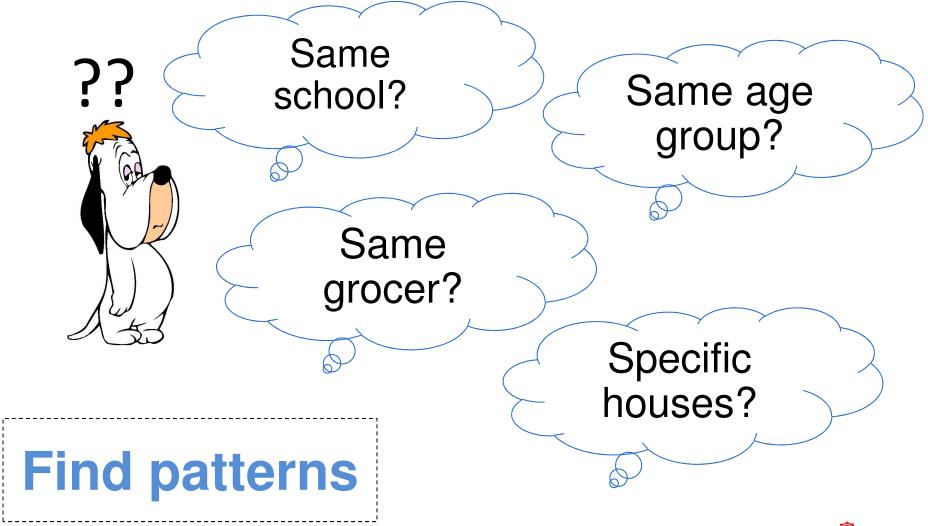


### What could be causing this problem?





### What could be causing this problem?





# Let's look at details of those who fell sick



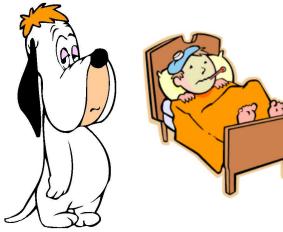
Jim 5 yrs, Baseball, Cereals

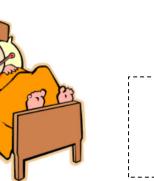


Nancy 10 yrs, Swimming, Meat



Peter 11 yrs, Swimming Meat









Ali 10 yrs, Swimming, Sprouts



Dan 9 yrs, Swimming, Eggs



**Veggies** 

Beth 10 yrs, Swimming, Meat



Vince 6 years, Swimming, Fruits



Meg 11 years, Basketball, Eggs

# Let's look at games played by those who fell sick

Jim Baseball

Nancy Swimming

**Peter** Swimming



**Meena** Hockey

Ali Swimming

**Dan**Swimming

Finding patterns

**Beth** Swimming

Vince Swimming

Meg Basketball



# Let's look at games played by those who fell sick

Baseball

**Swimming** 

**Swimming** 



Hockey

**Swimming** 

**Swimming** 

Finding patterns

**Swimming** 

**Swimming** 

**Basketball** 



#### **Baseball**

**Finding patterns** 

**Basketball** 

**Swimming** 

Baseball

**Swimming** 

**Swimming** 

Swimming

Hockey

**Swimming** 

**Swimming** 

**Swimming** 

**Swimming** 

**Swimming** 

**Swimming** 

Hockey

**Swimming** 

**Swimming** 

**Basketball** 







#### **Baseball**

**Basketball** 

**Swimming** 

Swimming

**Swimming** 

**Swimming** 

**Swimming** 

**Swimming** 

Hockey

Baseball	1
Basketball	1
Swimming	6
Hockey	1





#### **Baseball**

**Basketball** 

**Swimming** 

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**Swimming** 

**Swimming** 

**Swimming** 

**Swimming** 

**Swimming** 

Hockey

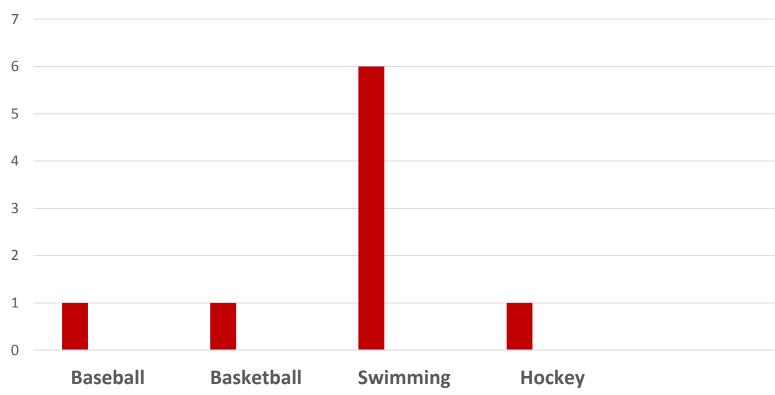
Baseball	1	
Basketball	1	
Swimming	6	)
Hockey	1	



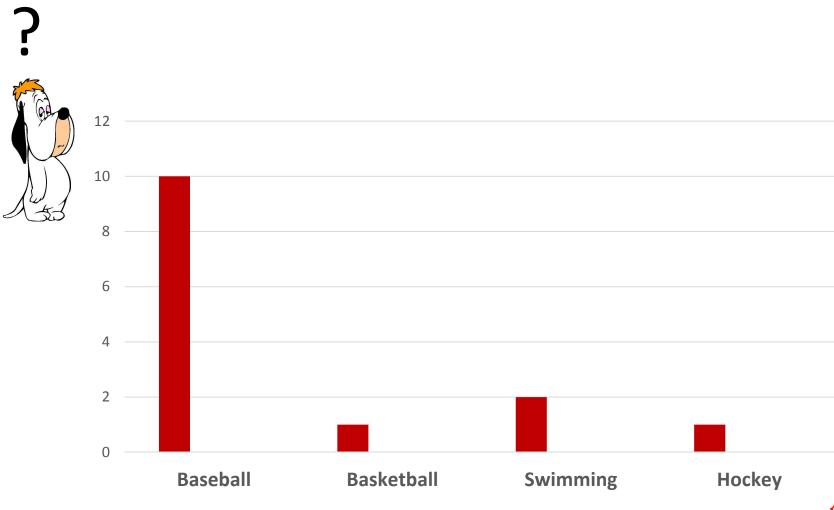


Baseball	1
Basketball	1
Swimming	6
Hockey	1

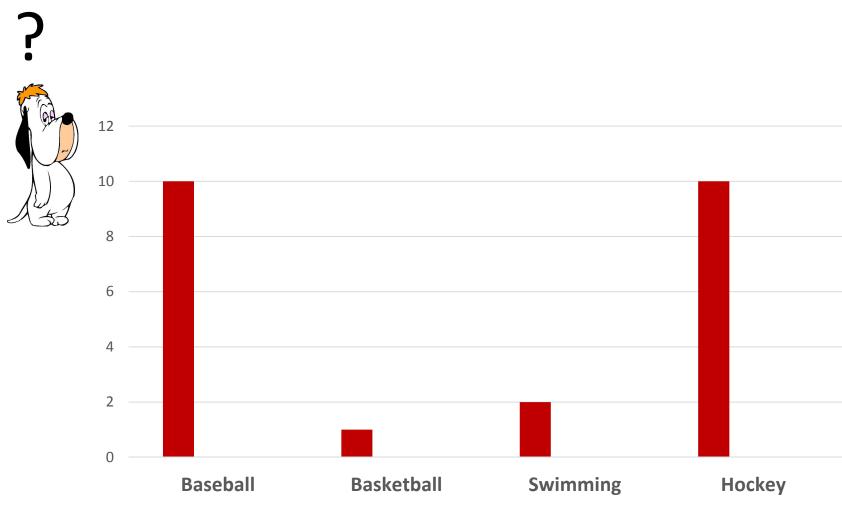








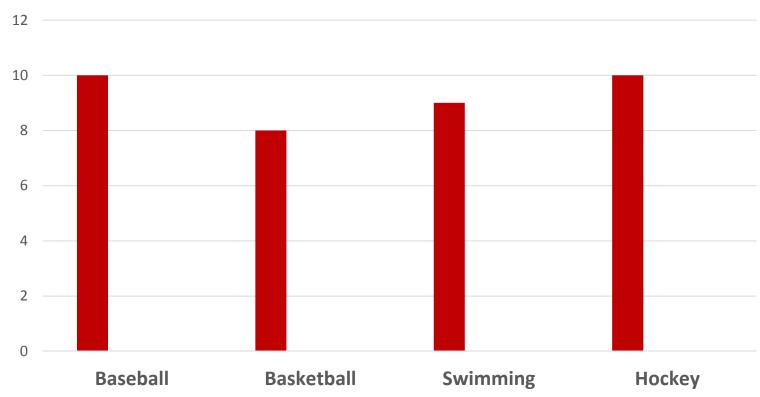














#### What pattern did we find so far?

Games played by those

who fell sick



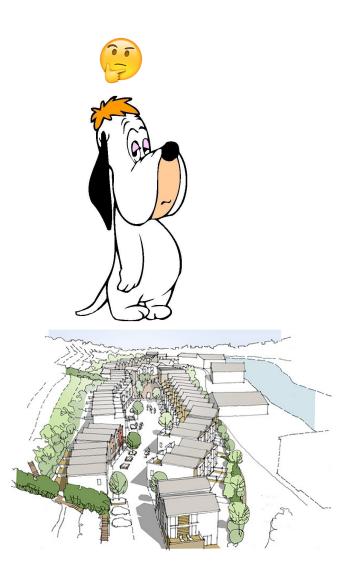
Baseball	1	
Basketball	1	
Swimming	6	$\supset$
Hockey	1	

Those who swim regularly seemed to have fallen sick the most

Employability Quantified

aspiringminds

## Recap - Our aim



Is to find out what factors can help determine the cause of the sickness





## Assumption



Let us assume that age is the only factor we found which "explains" the sickness





#### What then?

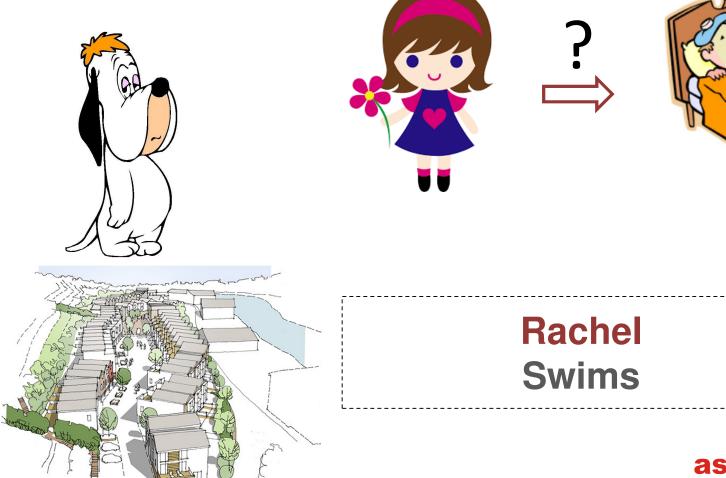


# How can you use this information?



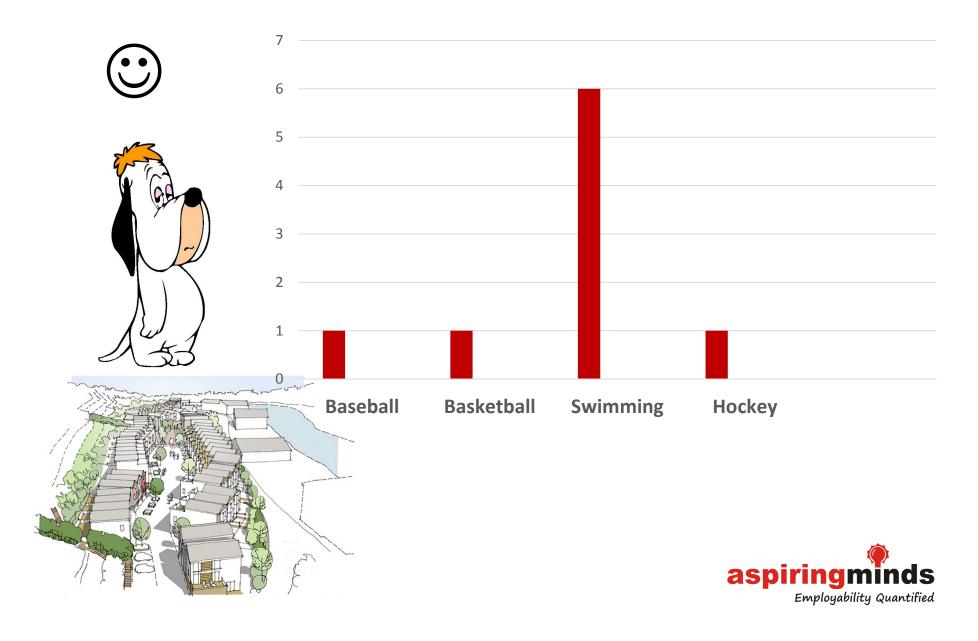


#### Will she be sick soon?

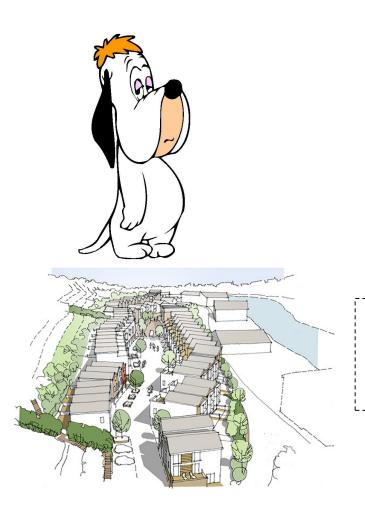


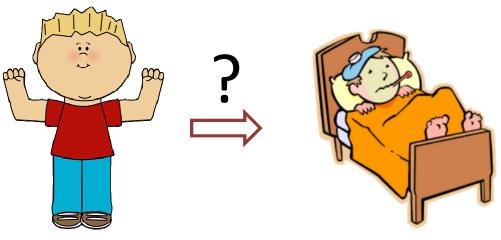


#### Remember



#### What about him?





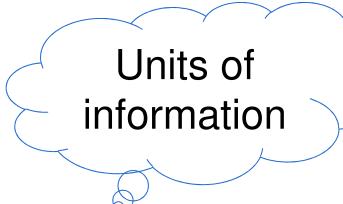
Tarun Basketball



#### What is data?







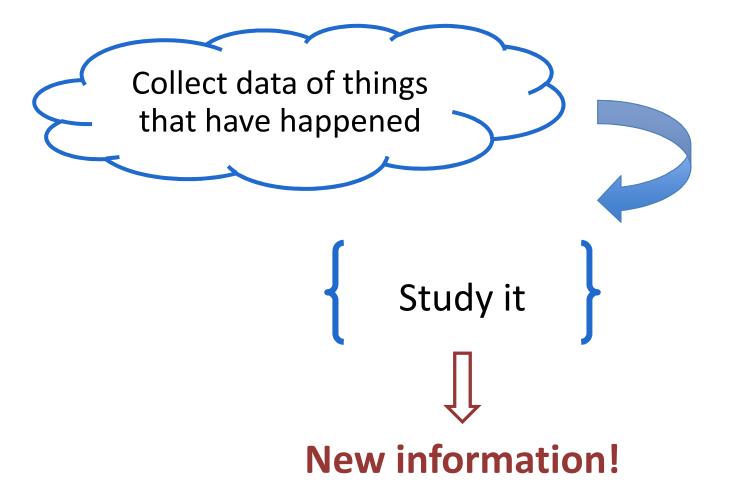
### What is data?

Facts!





#### What is data science?

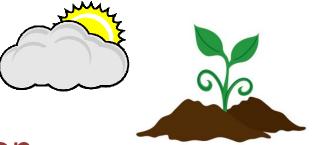




## Agriculture



- -Weather information
- Soil information
- Geographical information





Ways to improve crop growth



# Shopping



- -What you have bought
- When you have bought





Help you find more things you like



# What would you like to predict?

