

# Mastering Data Visualization with R

---

## INTRODUCTION



**Matthew Renze**

SOFTWARE CONSULTANT

@matthewrenze [www.matthewrenze.com](http://www.matthewrenze.com)



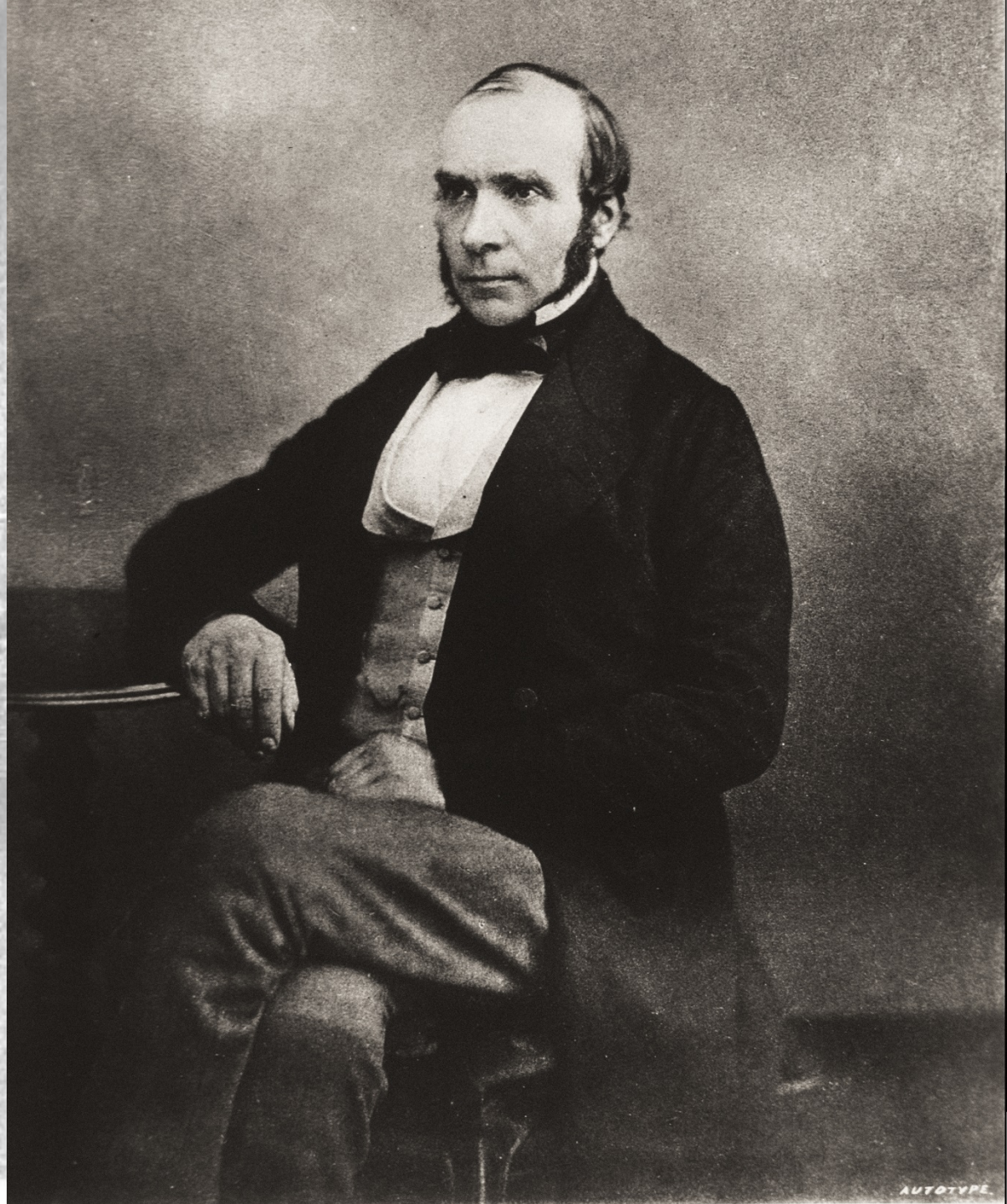
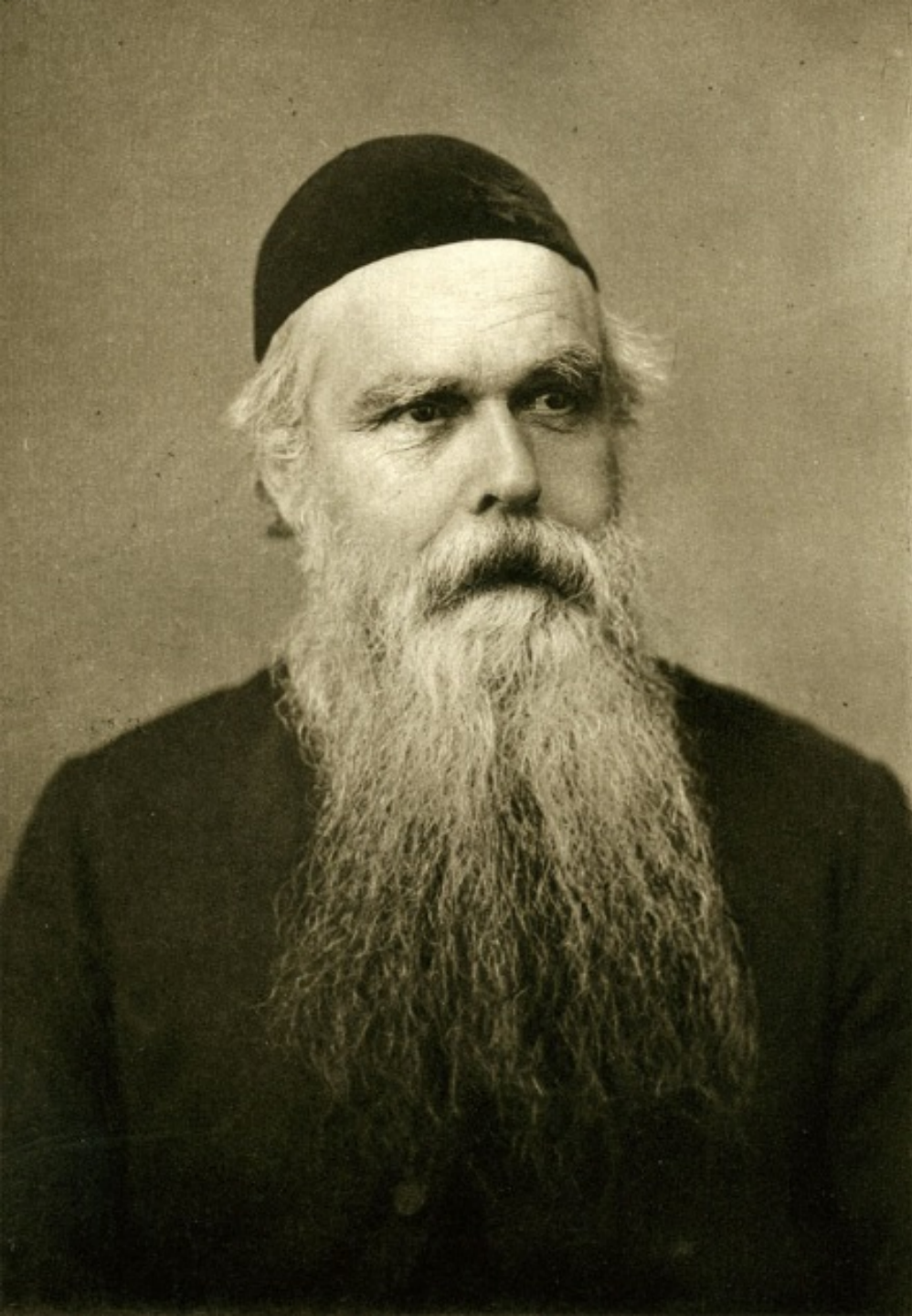


LONDON BRIDGE. 8-10

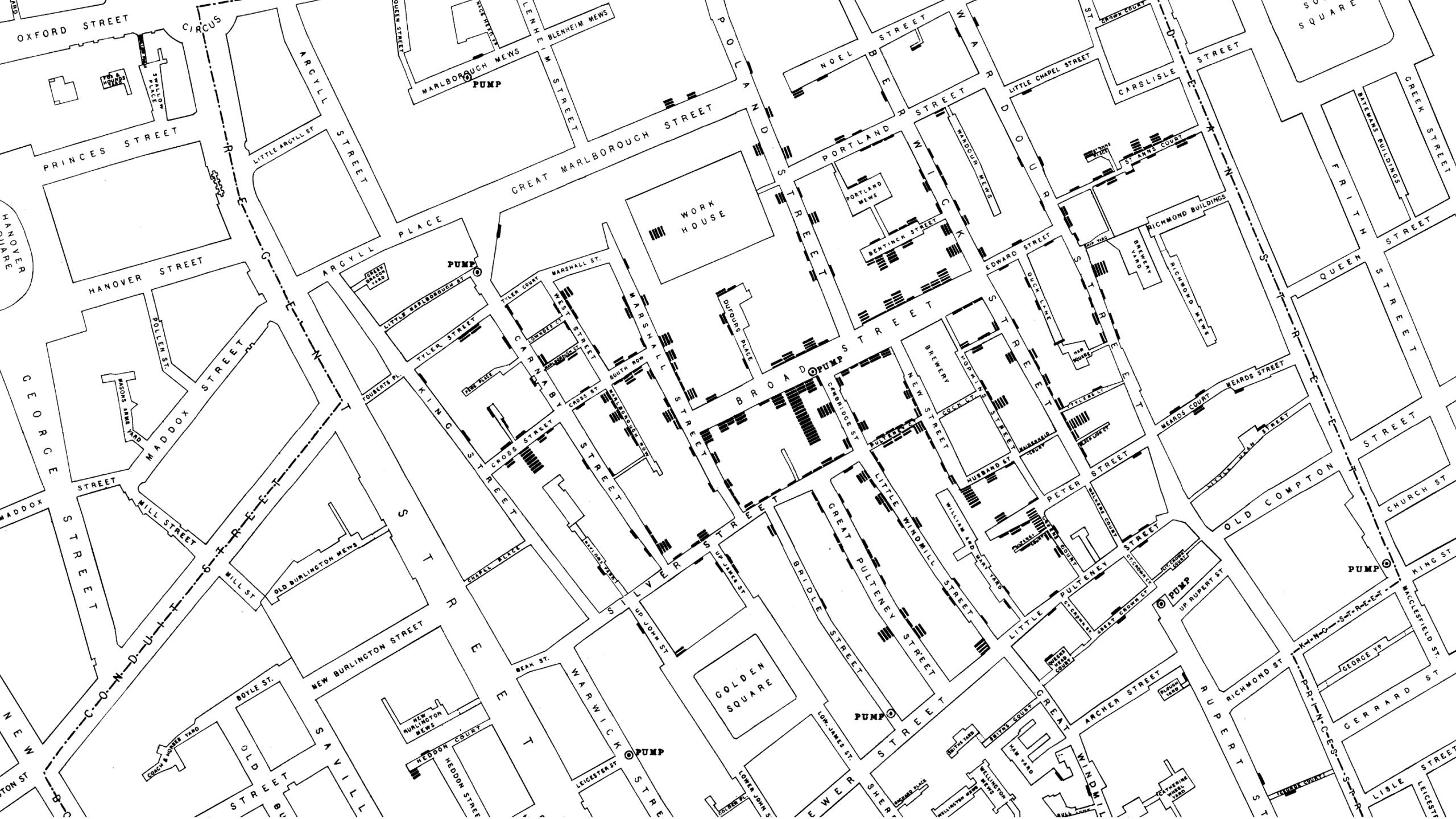


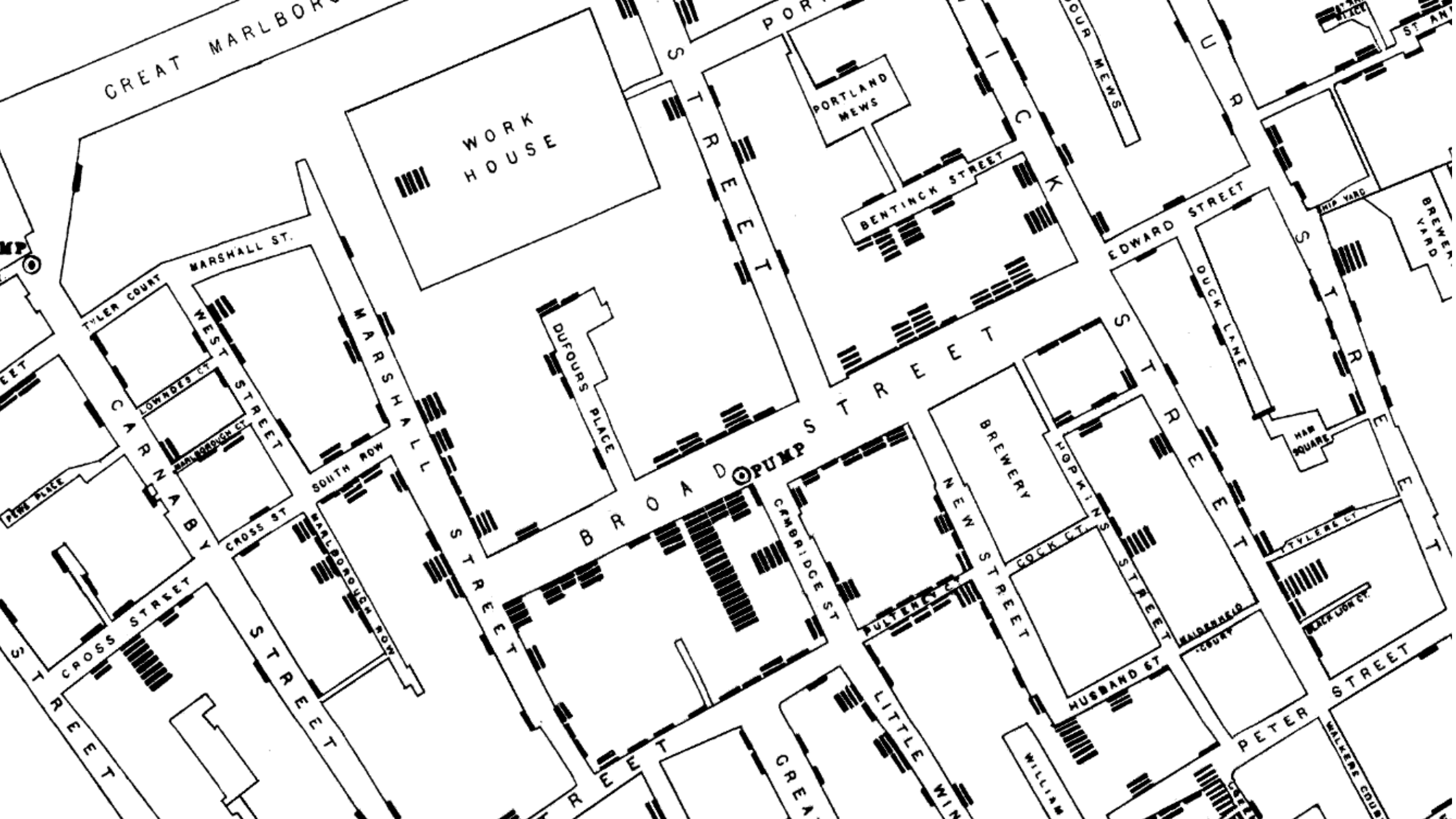


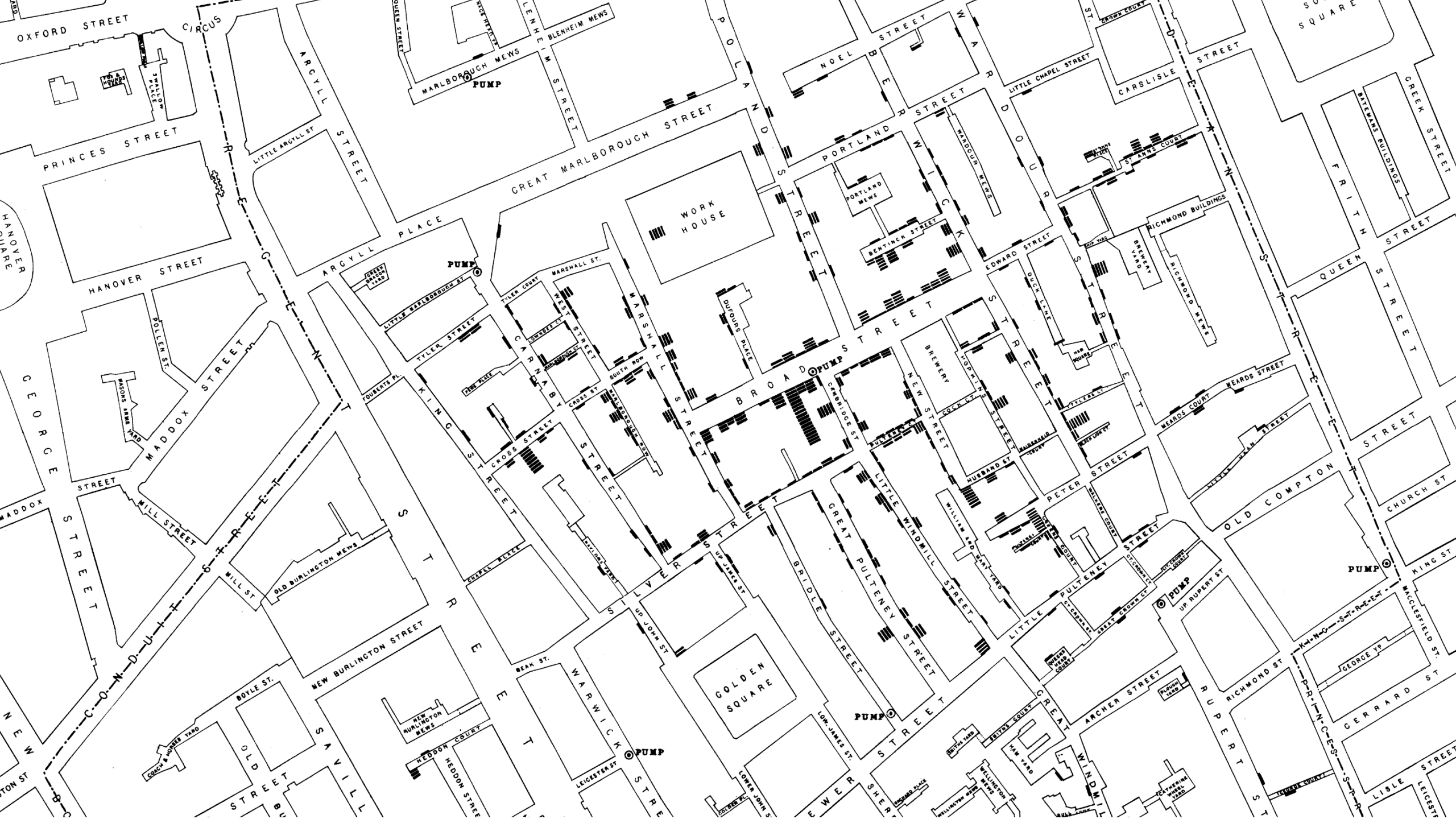


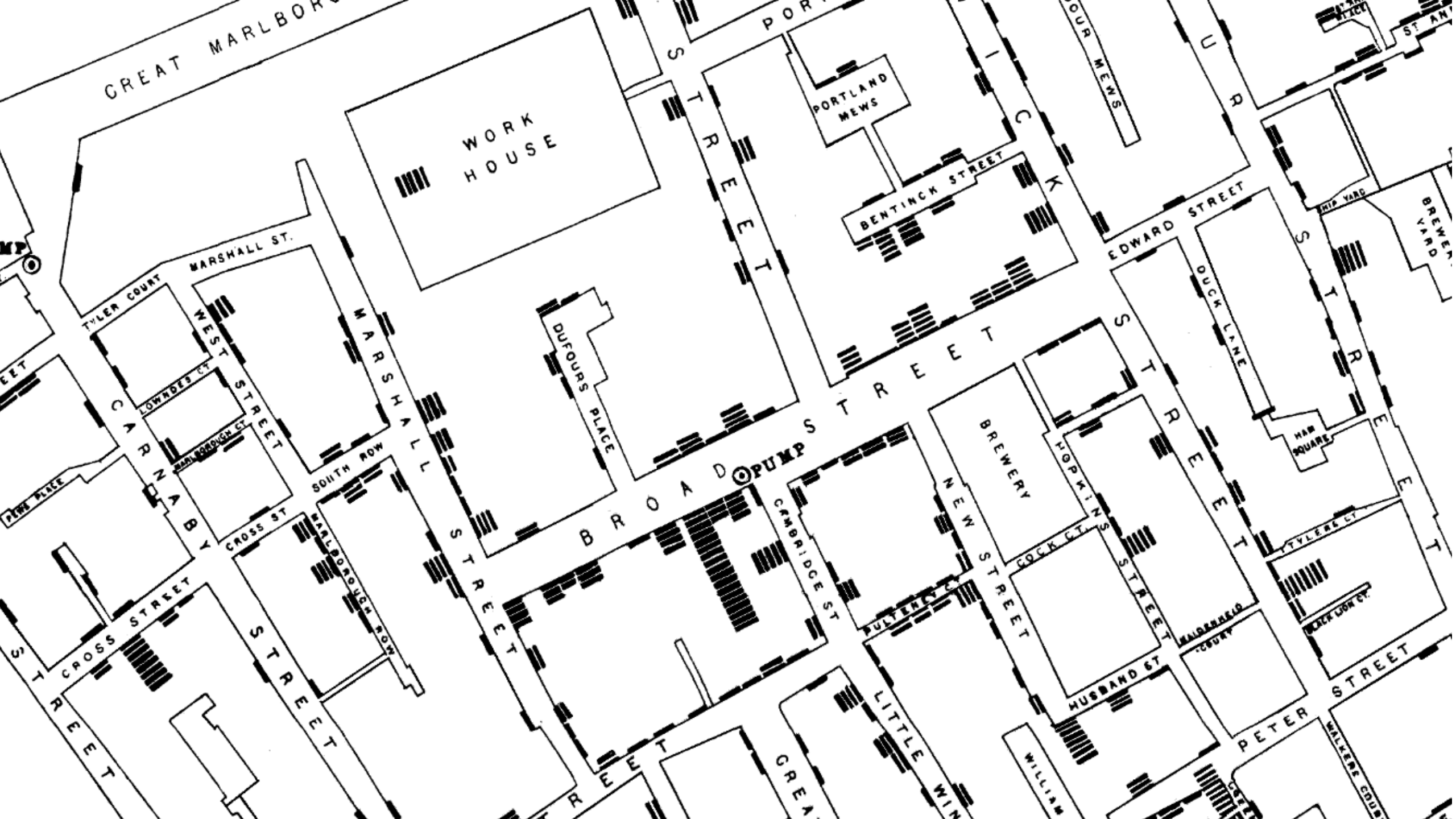










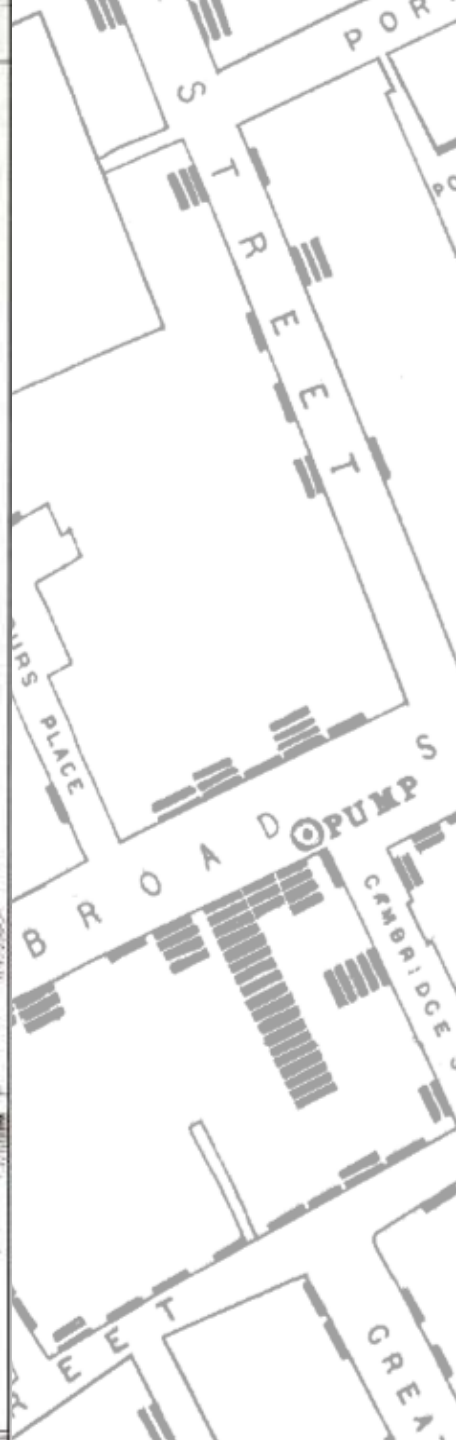




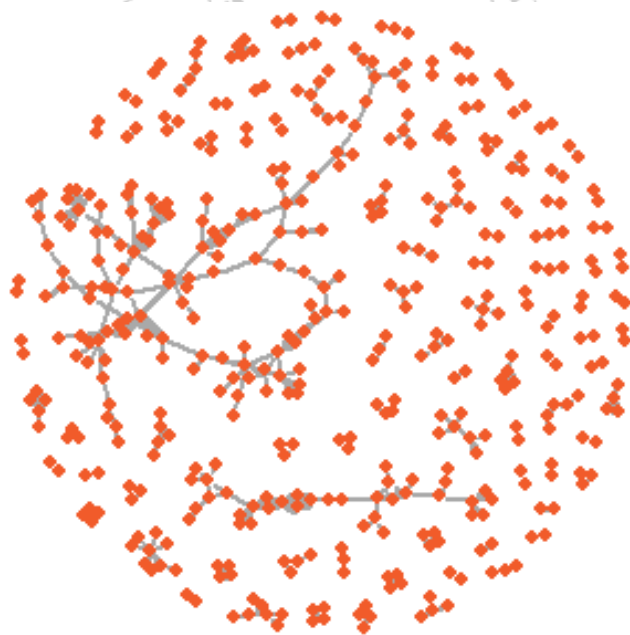
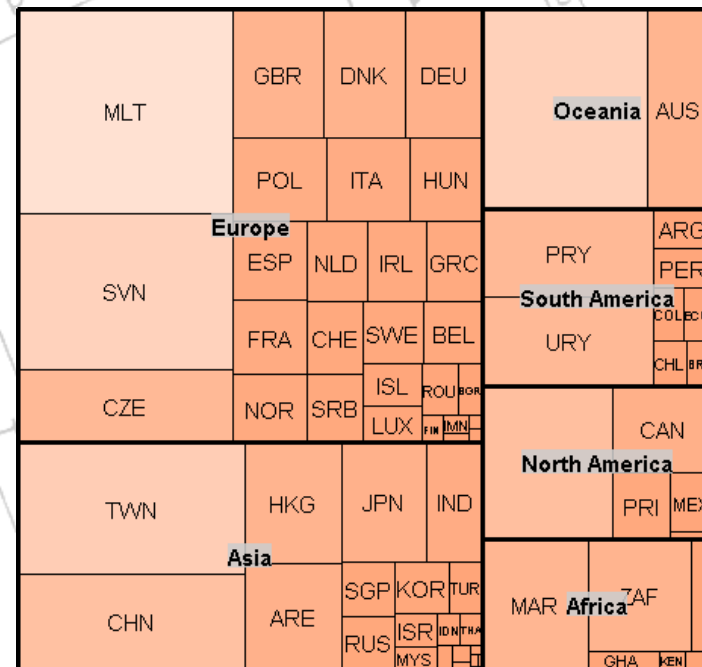
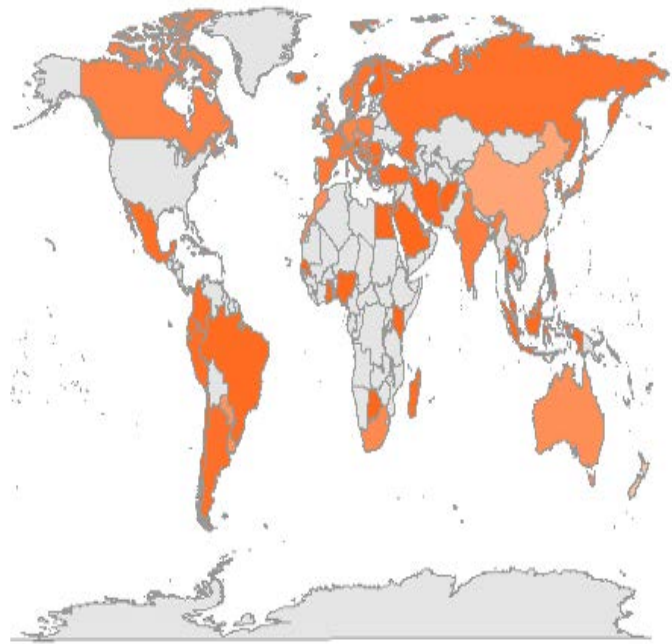


DEATH'S DISPENSARY.

OPEN TO THE POOR, GRATIS, BY PERMISSION OF THE PARISH.



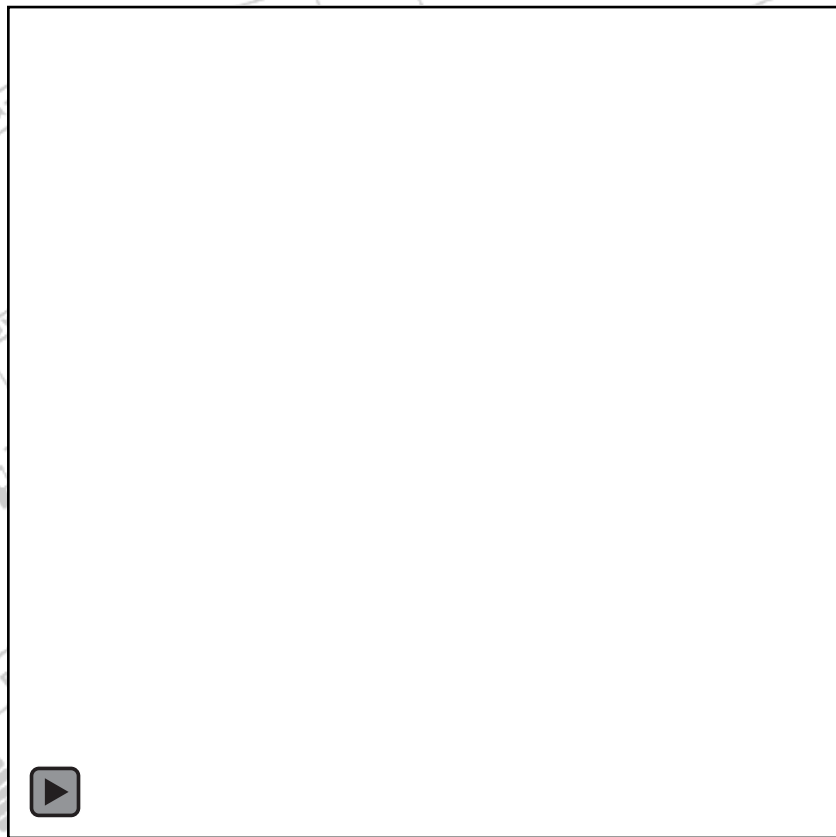




park destroy  
supervengeful  
final lord  
land curse universe killing  
existence. ring  
ice captain threat  
harry  
humanity terrorist  
mountain games  
princess army







C:/Pluralsight - Shiny  
http://127.0.0.1:4257 Open in Browser Publish

## Interactive Movie Data

**Year**

2002 2012 2015

2000 2002 2004 2006 2008 2010 2012 2014 2015

**Rating**

☐ G

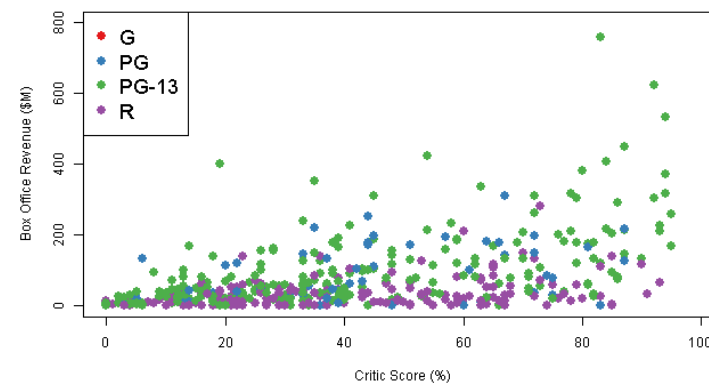
☒ PG

☒ PG-13

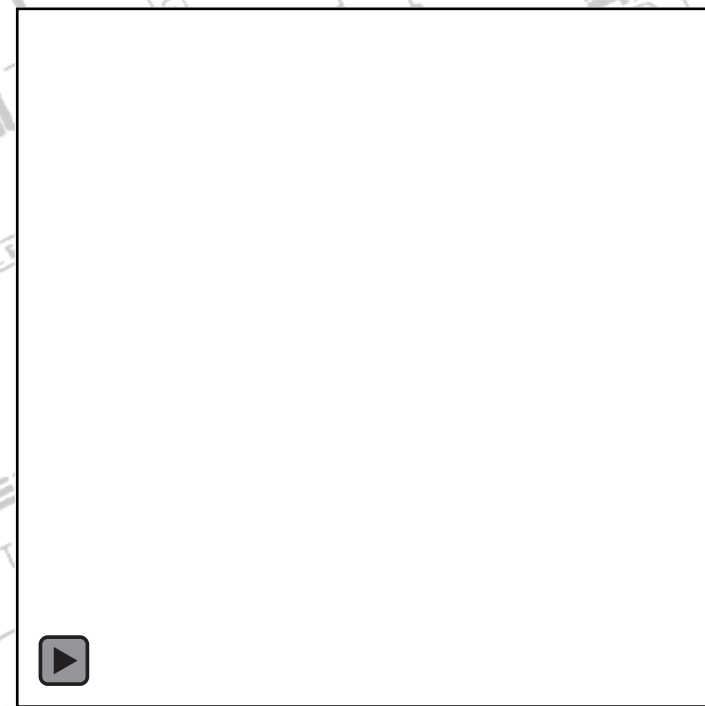
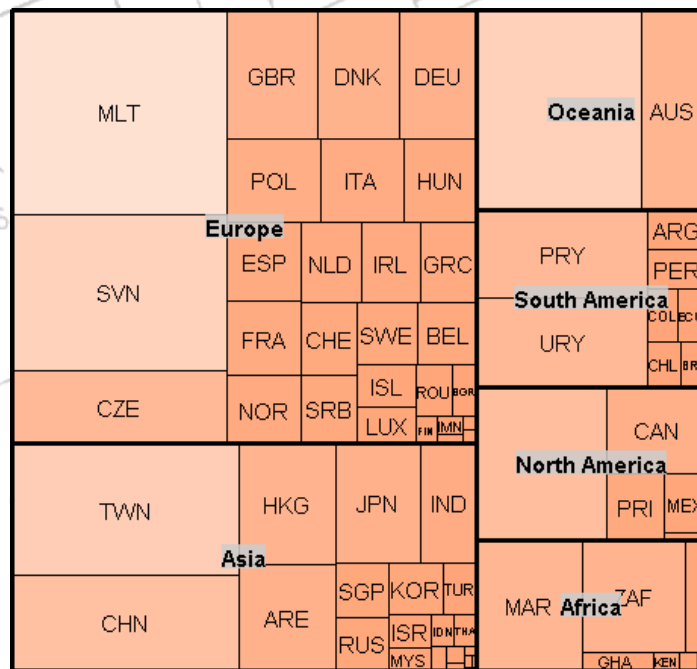
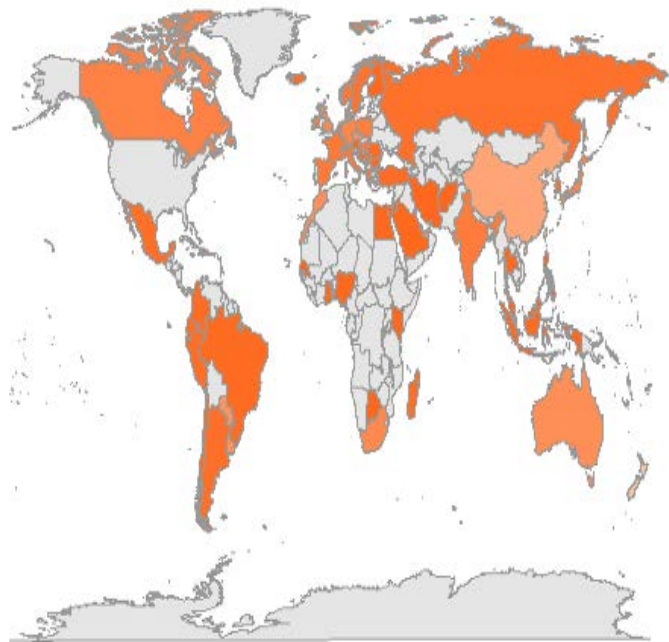
☒ R

**Genre**

Action

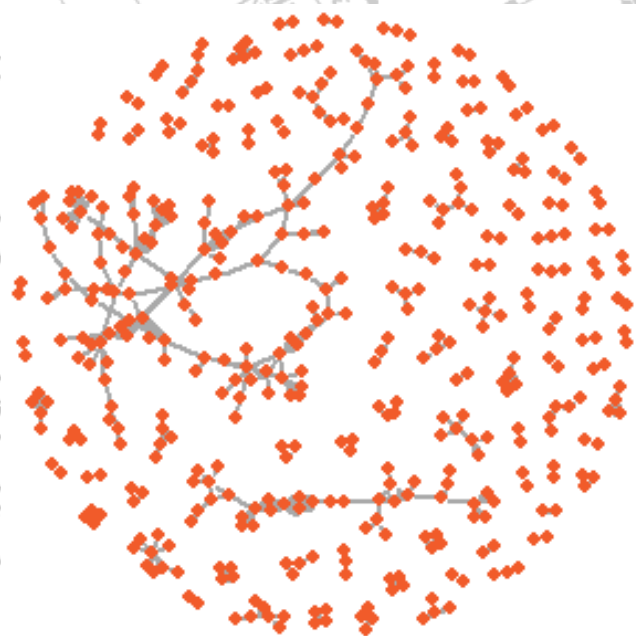
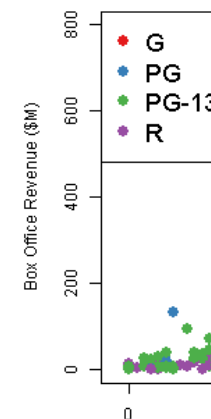
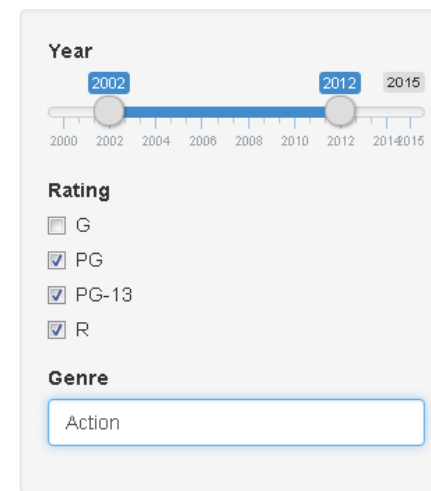






C:/Pluralsight - Shiny  
<http://127.0.0.1:4257> [Open in Browser](#)

## Interactive Movie Data



park destroy  
 supervengeful  
 land curse of universe killing  
 existence  
 ice  
 captain threat  
 humanity terrorist  
 mountain games  
 princess army  
 lord  
 final  
 harry  
 eight

# Course Overview



**Introduction**

**Visualizing Spatial Data**

**Visualizing Hierarchical Data**

**Visualizing Graph and Network Data**

**Visualizing Textual Data**

**Animating Data Visualizations**

**Creating Interactive Data Visualizations**





# Audience

**Developers**

**Data analysts**

**IT professionals**



# Data Visualization with R Series

**Beginning Data  
Visualization  
with R**

**Multivariate Data  
Visualization  
with R**

**Mastering Data  
Visualization  
with R**





# Prerequisites

**Beginning Data  
Visualization  
with R**

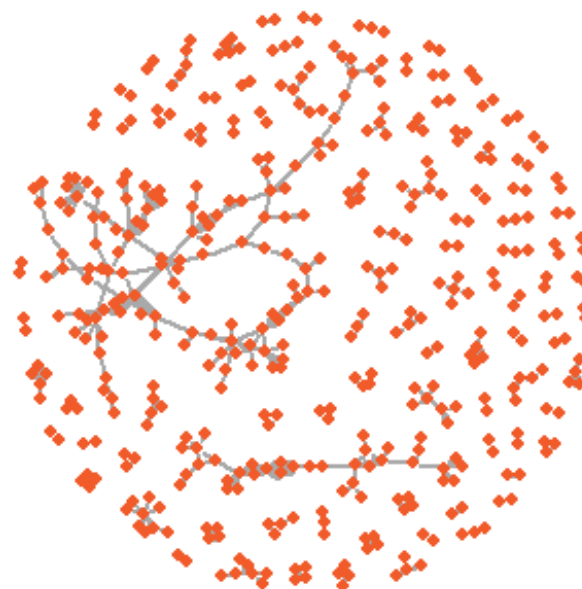
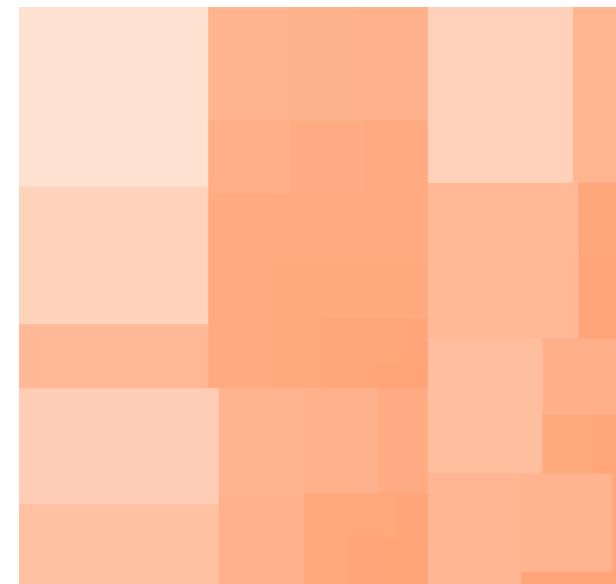
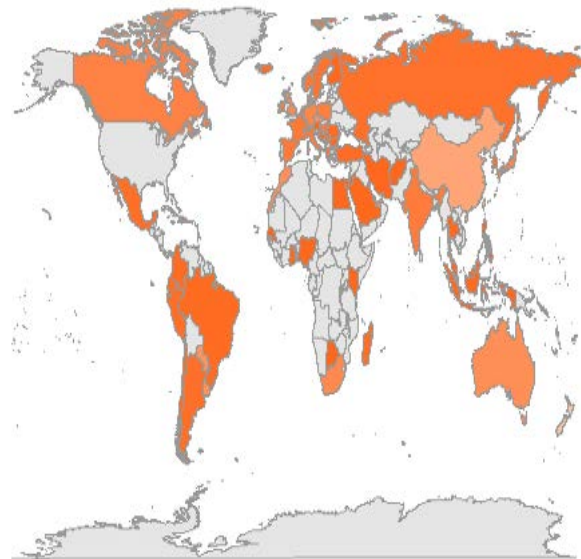
**Multivariate Data  
Visualization  
with R**

**Prior experience  
with data  
visualization  
using R**

[www.pluralsight.com/courses/r-data-visualization-beginner](https://www.pluralsight.com/courses/r-data-visualization-beginner)  
[www.pluralsight.com/courses/r-multivariate-data-visualization](https://www.pluralsight.com/courses/r-multivariate-data-visualization)



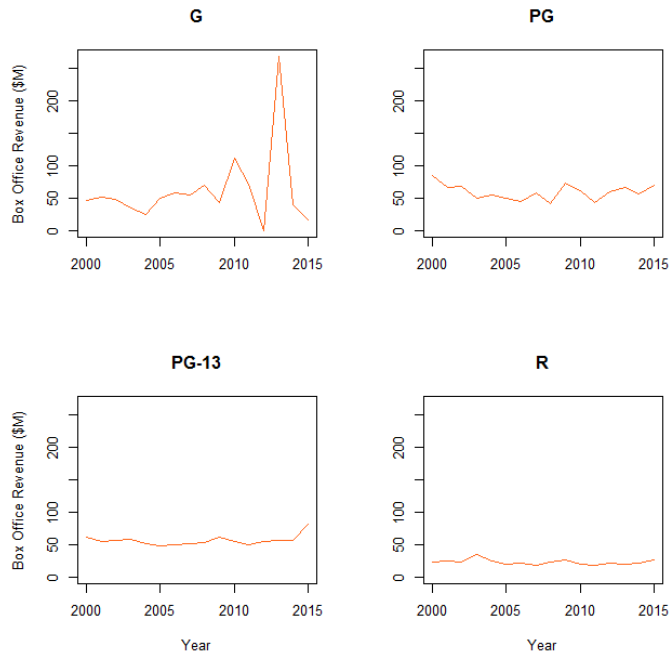
Special types of data  
Animation  
Interactivity



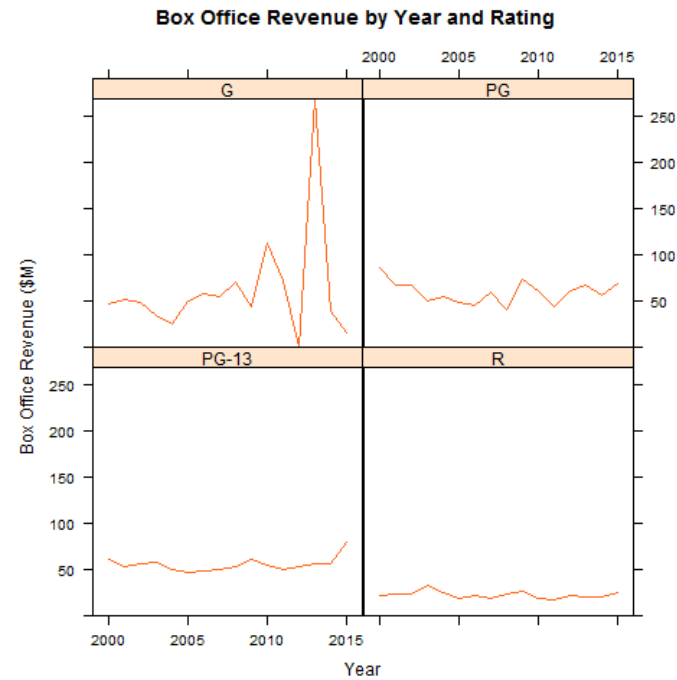
park destroy  
supervengeful  
land curse prince final lord  
existence prince universe killing  
eight ice sam spring **harry**  
captain threat  
**humanity** terrorist  
mountain games  
princess army



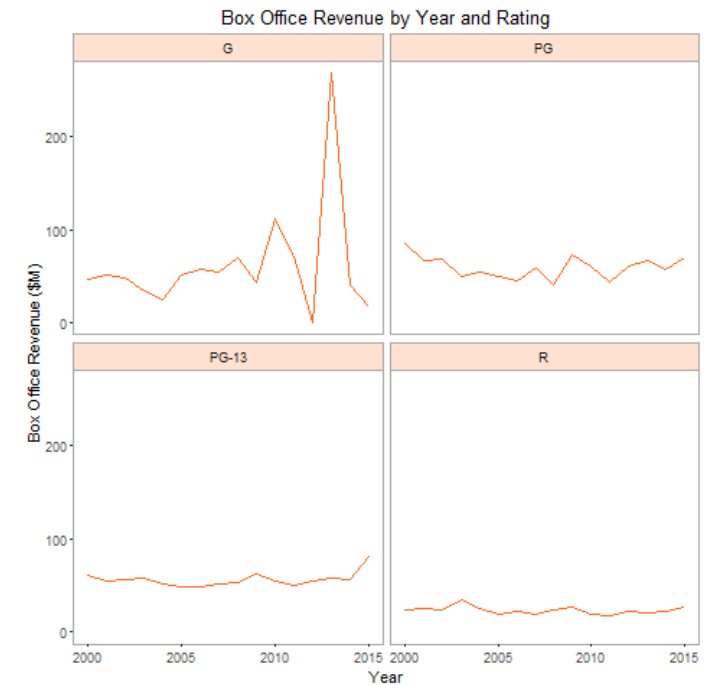
# Graphics Systems in R



Base



Lattice



ggplot2





# Statistical Terms

Observations

Variables

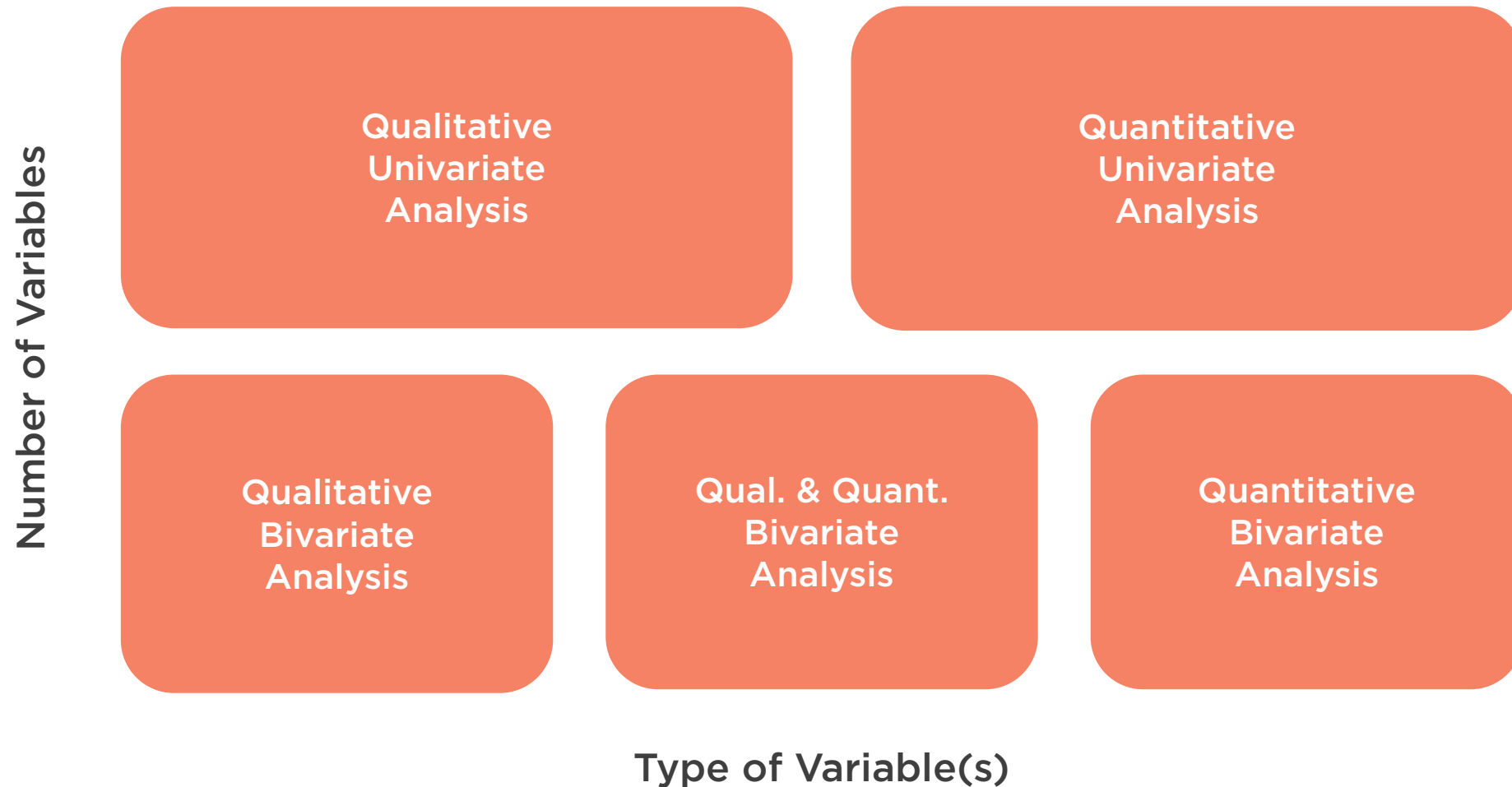
Qualitative variable

Quantitative variable

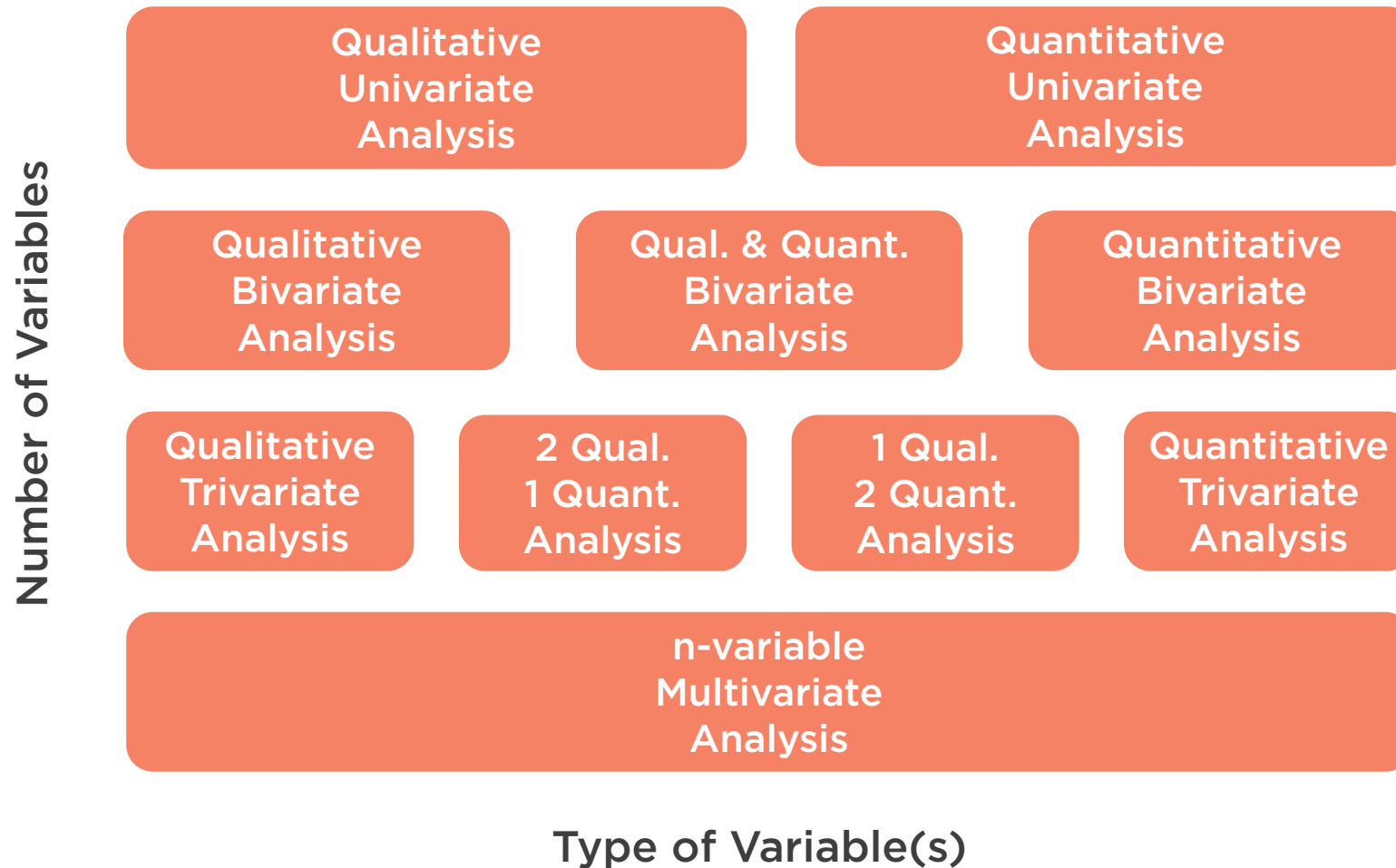
ID	Date	Customer	Product	Quantity
1	2015-08-27	Jose	Pizza	2
2	2015-08-27	Jose	Soda	2
3	2015-08-27	Jill	Salad	1
4	2015-08-27	Jill	Milk	1
5	2015-08-28	Miko	Pizza	3
6	2015-08-28	Miko	Soda	2
7	2015-08-28	Sam	Pizza	1
8	2015-08-28	Sam	Milk	1



# Types of Data Analysis

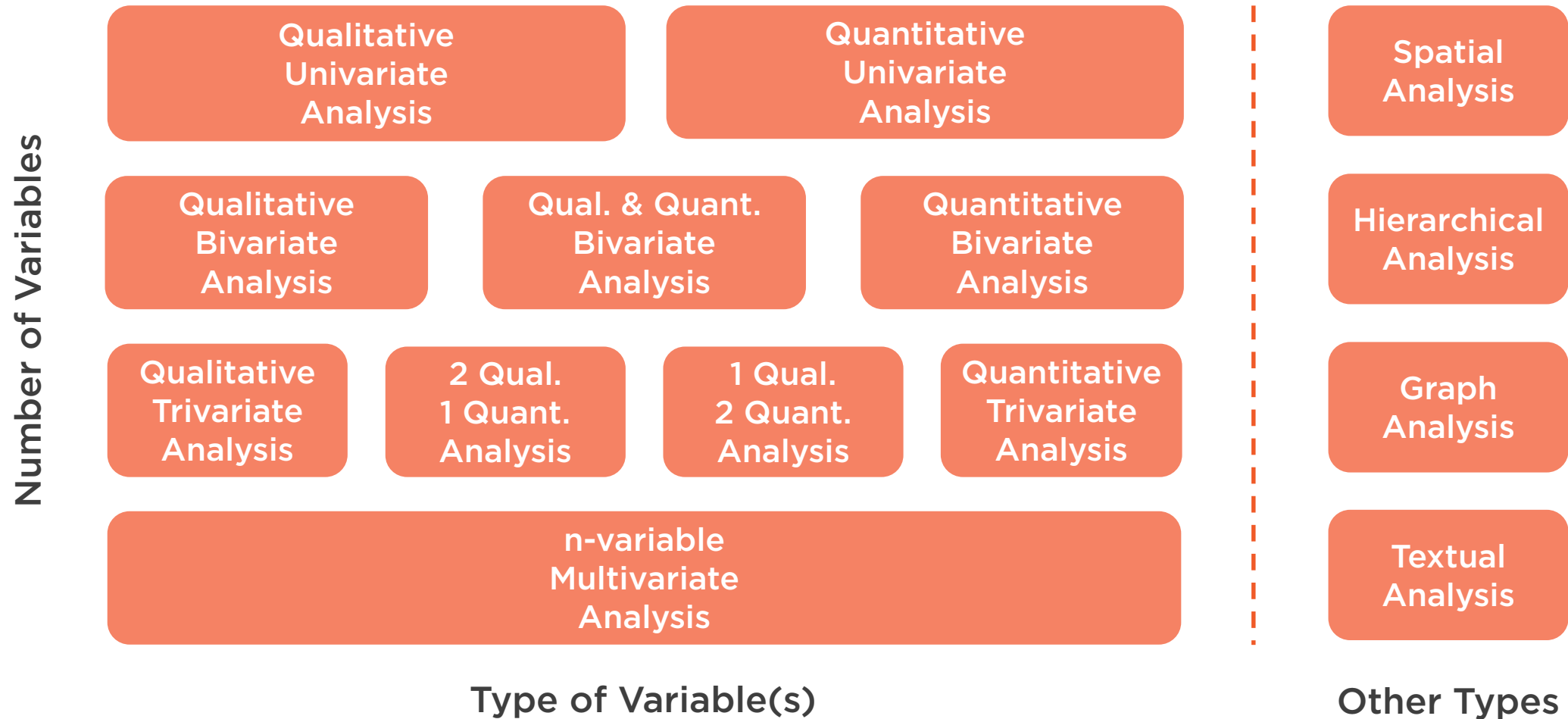


# Types of Data Analysis

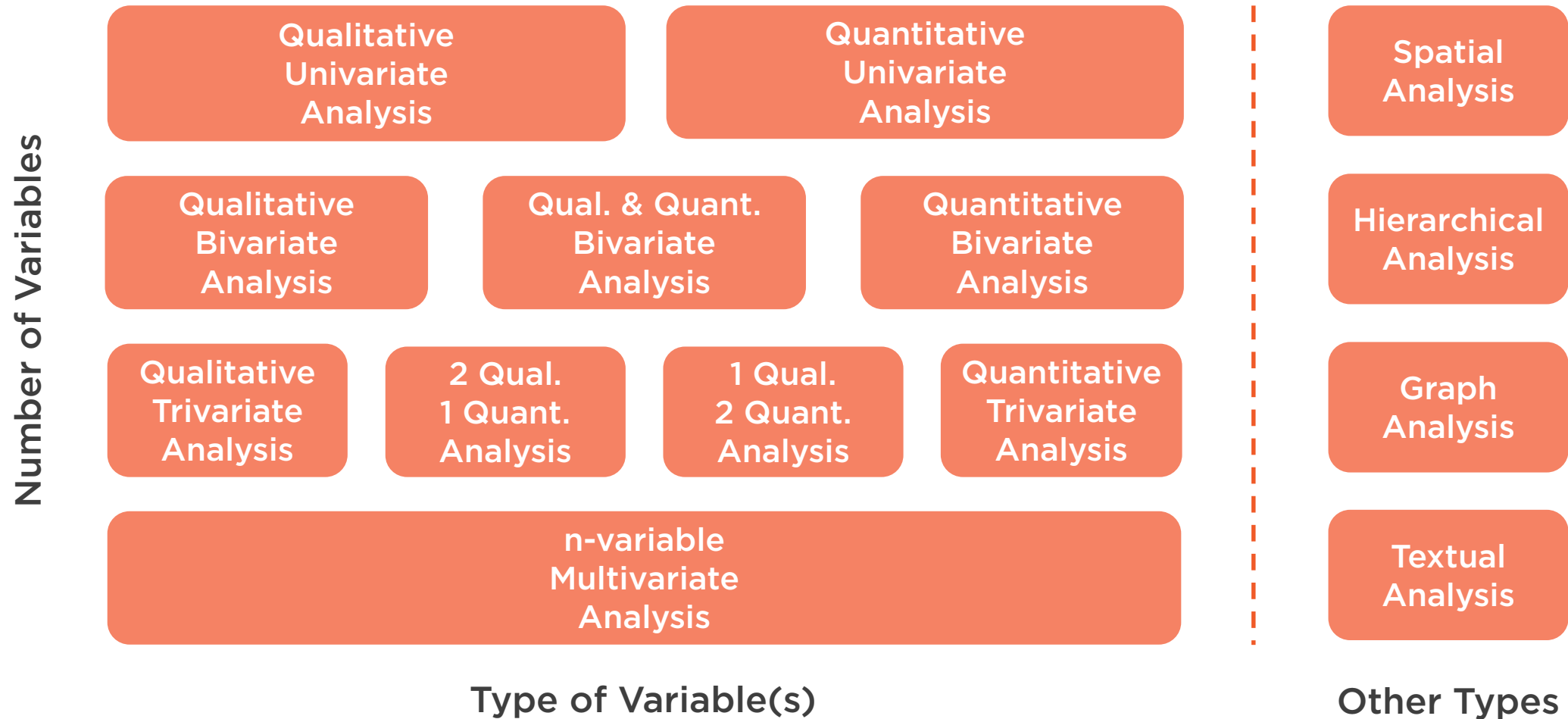




# Types of Data Analysis



# Types of Data Analysis



# Summary



**Introduction**

**Course Overview**

**Types of Visualizations**

