



Y.2015

THE GEO-INQUIRY PROCESS

Y 2016

Y 2017

Y 2018





THE FUTURE OF OUR PLANET
IS IN THEIR HANDS



THE GEO-INQUIRY PROCESS

LEARNING FRAMEWORK

A

attitudes

S

skills

K

knowledge



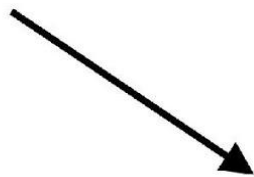
| THE GEO-INQUIRY PROCESS



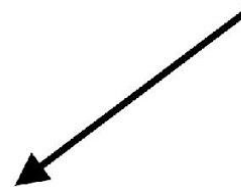
COLLABORATION

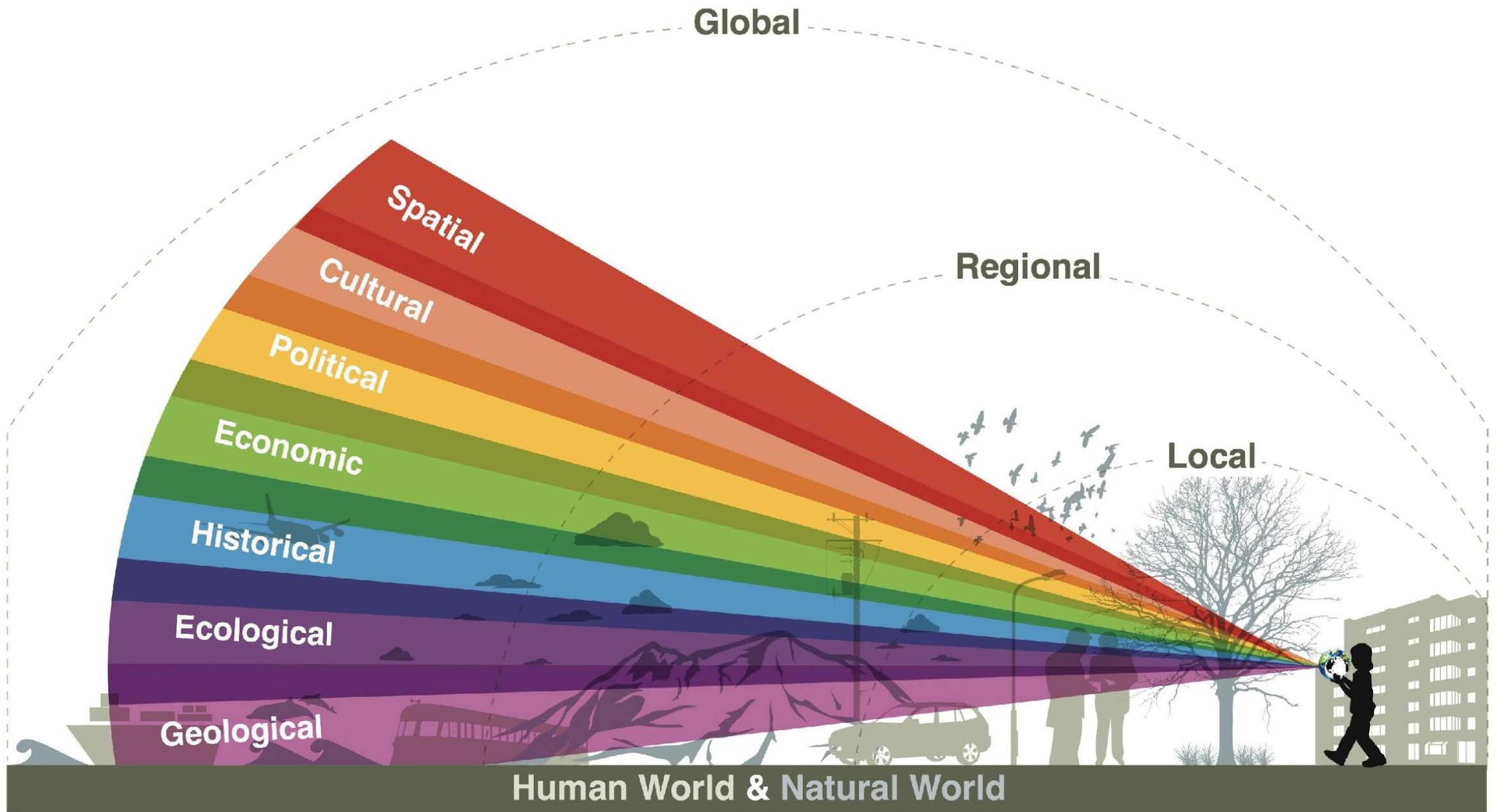


Center for
Civic Education

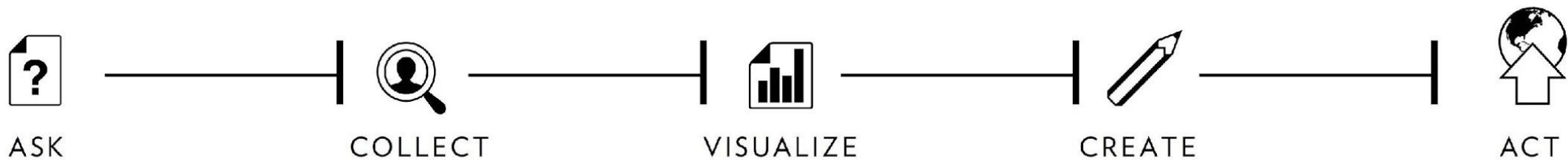


BUCK INSTITUTE
FOR EDUCATION





WHAT IS GEO-INQUIRY?



THE
GEO-INQUIRY
PROCESS

| **ASK**

DEVELOPING A GEO-INQUIRY QUESTION

| **COLLECT**

ACQUIRING GEOGRAPHIC INFORMATION

| **VISUALIZE**

ORGANIZING & ANALYZING GEOGRAPHIC INFORMATION

| **CREATE**

DEVELOPING GEO-INQUIRY STORIES

— **ACT**

SHARING GEO-INQUIRY STORIES

GEO-INQUIRY PHASES & LEARNING FRAMEWORK

Geo-Inquiry Process	Geographic Question	Geographic Data & Information	Organizing and Analyzing Geographic Information	Creating Geo-Inquiry Stories	Geo-Inquiry Stories in Action
Learning Framework	Curiosity (Attitude)	Observation (Skill)	Observation (Skill) & Communication (Skill)	Communication (Skill)	Empowerment (Attitude) & Problem Solving (Skill)
	Collaboration (Skill) & Responsibility (Attitude)				





PHASE 1: ASK

DEVELOPING GEOGRAPHIC QUESTIONS



Introduction of a Phenomena

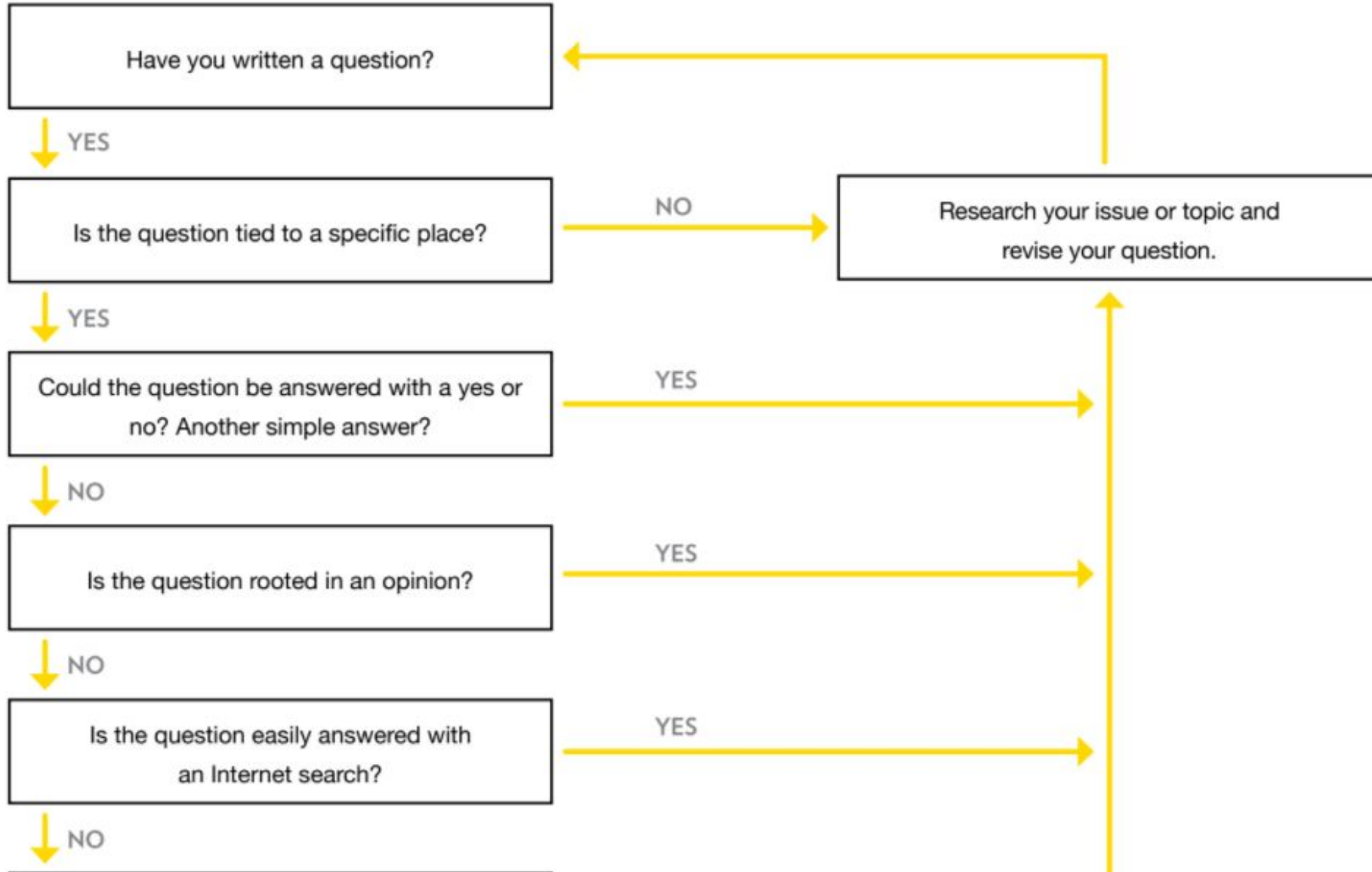




INTRODUCING THE CONCEPT

1. Explain to students they will be doing a project to explore a local issue or problem through a geographic lens and will start by posing a Geo-Inquiry Question. Explain that the Geo-Inquiry Question will address three main questions:
 - Where is it?
 - Why is it there?
 - Why care?

GEO-INQUIRY QUESTION FLOW CHART



Should your school have an
outdoor education (camping)
program?

A person wearing a bright yellow safety vest and sunglasses is looking down at a smartphone. The phone screen shows a compass application with a large '358' and a compass rose. The background is a blurred outdoor setting with trees and a person in a red shirt.

PHASE 2: COLLECT

ACQUIRING GEOGRAPHIC INFORMATION

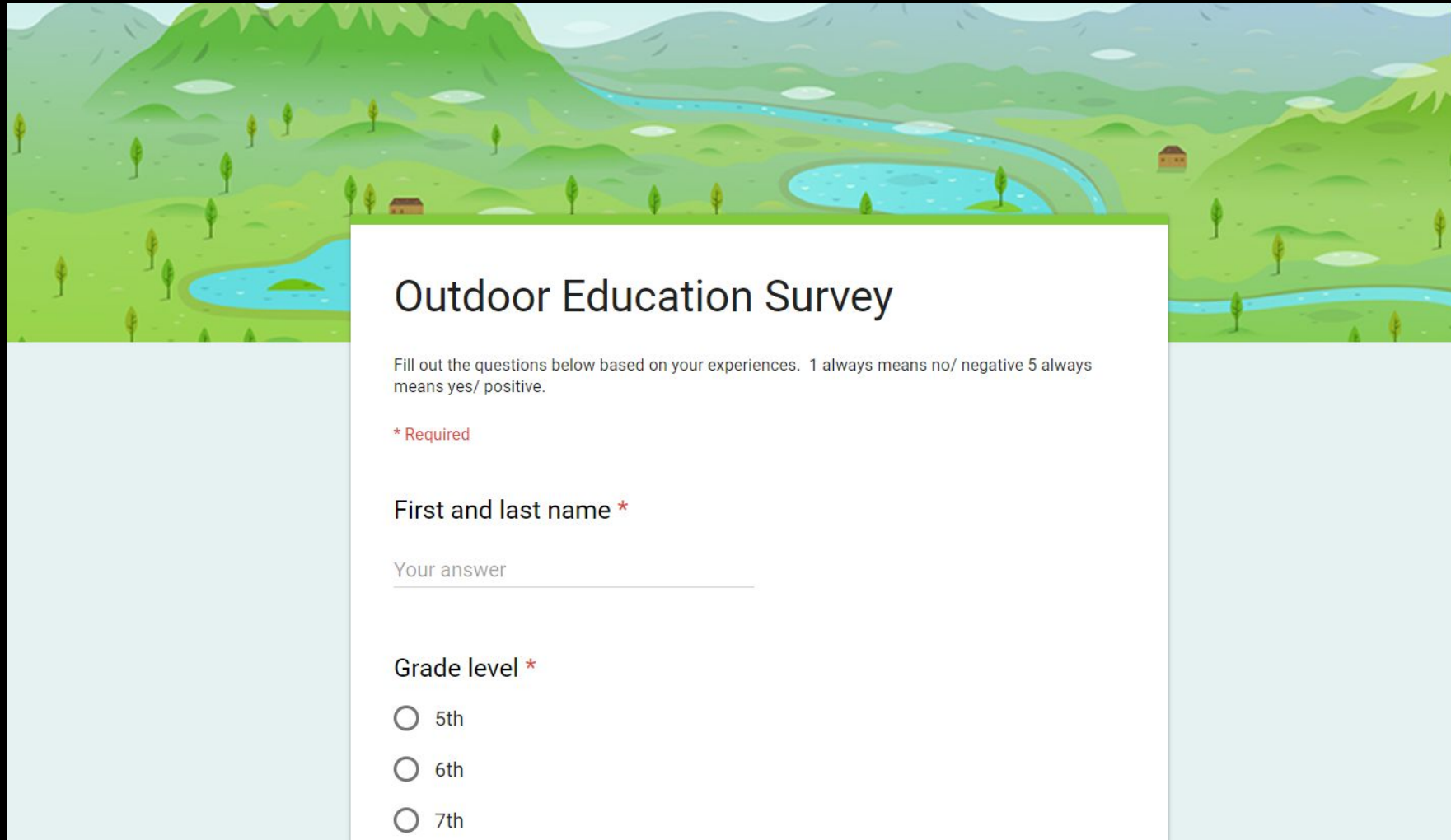


What are the tools we want to collect data?





Qualitative and Quantitative Data - Google Forms



Outdoor Education Survey

Fill out the questions below based on your experiences. 1 always means no/ negative 5 always means yes/ positive.

** Required*

First and last name *

Your answer _____

Grade level *

- 5th
- 6th
- 7th

Qualitative and Quantitative Data - Google Forms

On a scale from 1-5 how would you rate your Outdoor Ed experiences? *

1 2 3 4 5

Do you remember any memories you had from Outdoor Ed? If so, what were they? *

Your answer _____

Do you think other schools should experience Outdoor Ed? *

Yes

No

What is a useful life skill you learned from Outdoor Ed? *

Your answer _____

Would you consider Outdoor Ed being a negative or positive experience? *

Negative

Positive

A photograph of three people (two women and one man) looking at a laptop. The background is a large, colorful map or data visualization with green, yellow, and red areas. The text is overlaid on a semi-transparent dark band.

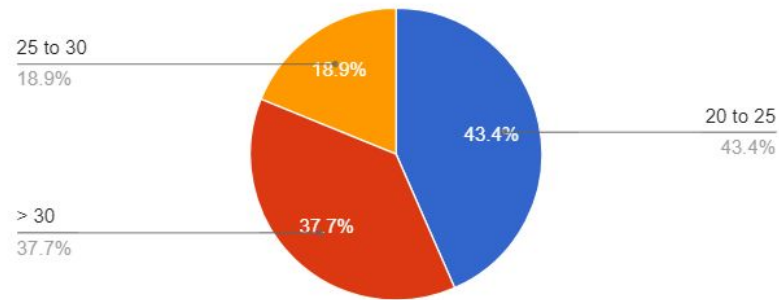
PHASE 3: VISUALIZE

ORGANIZING AND ANALYZING GEOGRAPHIC INFORMATION

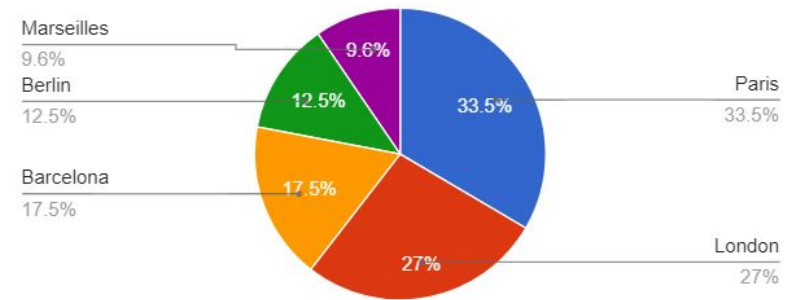


Google Forms - Visualize Data

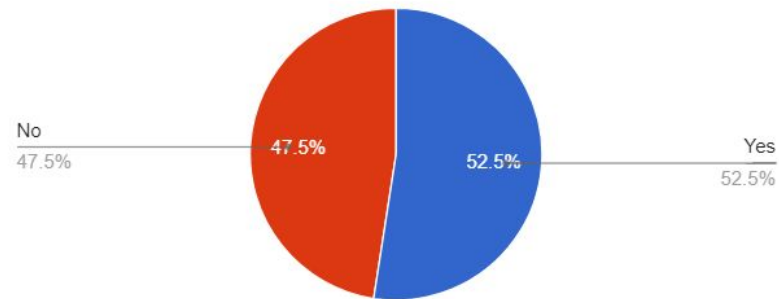
How old are you ?



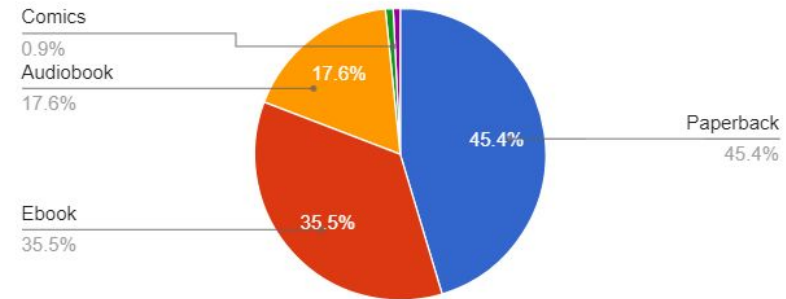
Which city best fits you?



Are you married?

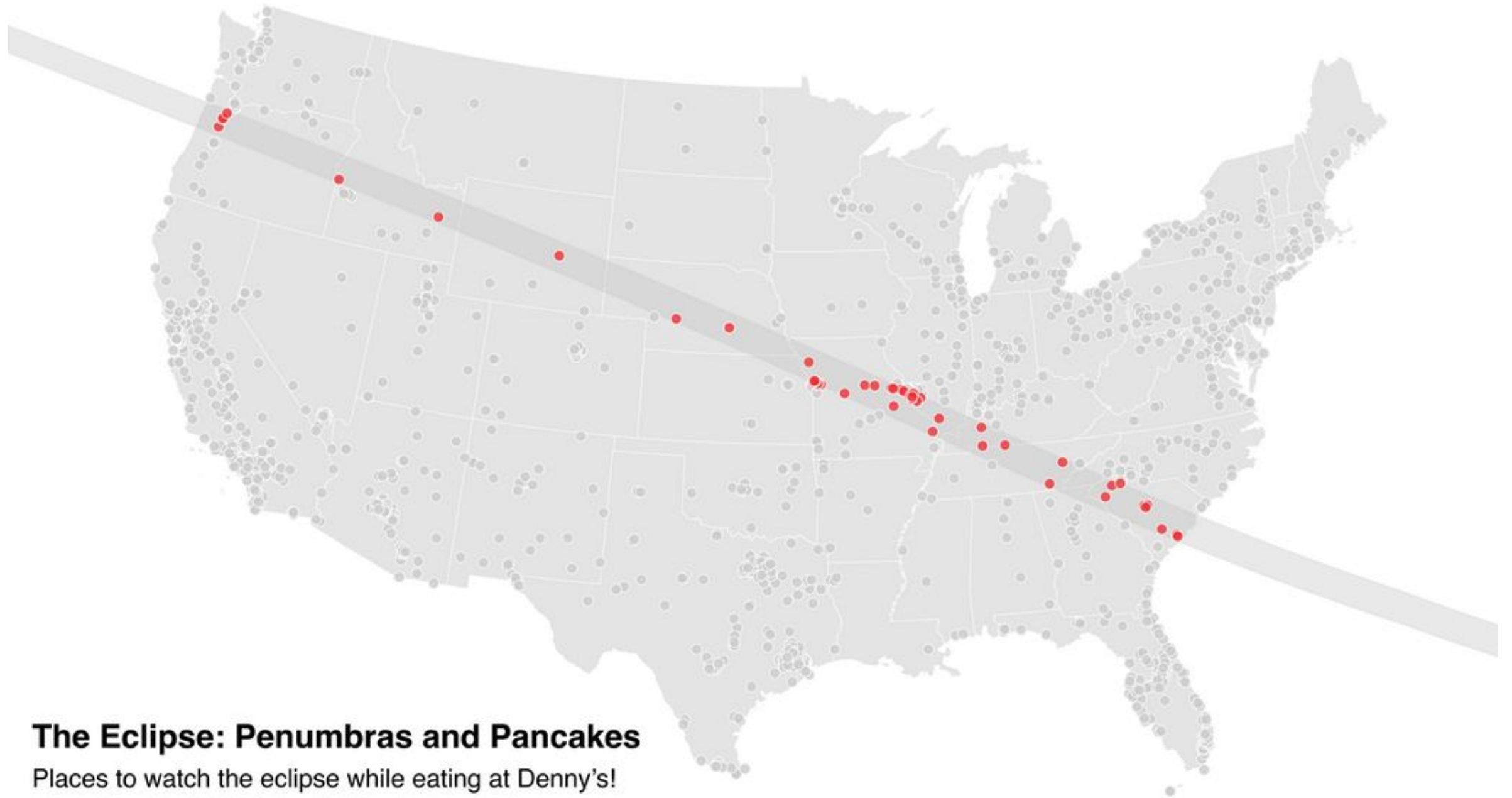


On which format do you read?



Types of Visualization	Examples
Comparison —comparing one or many sets of data	Column, Bar, Circular Area, Line, Scatter Plot, Bullet, Table
Composition —how individual parts make up the whole of something	Pie, Stacked Bar or Column, Area, Waterfall
Distribution —understand outliers, the normal tendency, and the range of information in your values	Scatter Plot, Line, Column, Bar
Trend —how data set(s) performed during a specific time period	Line, Dual-Axis Line, Column
Relationship —how one variable relates to one or more variables. Used to show how something affects another variable in a positive, negative, or neutral way.	Scatter Plot, Bubble, Line
Complex —how to show multiple components and interrelationships of data	Infographics, GIS, Photograph, Video, Maps





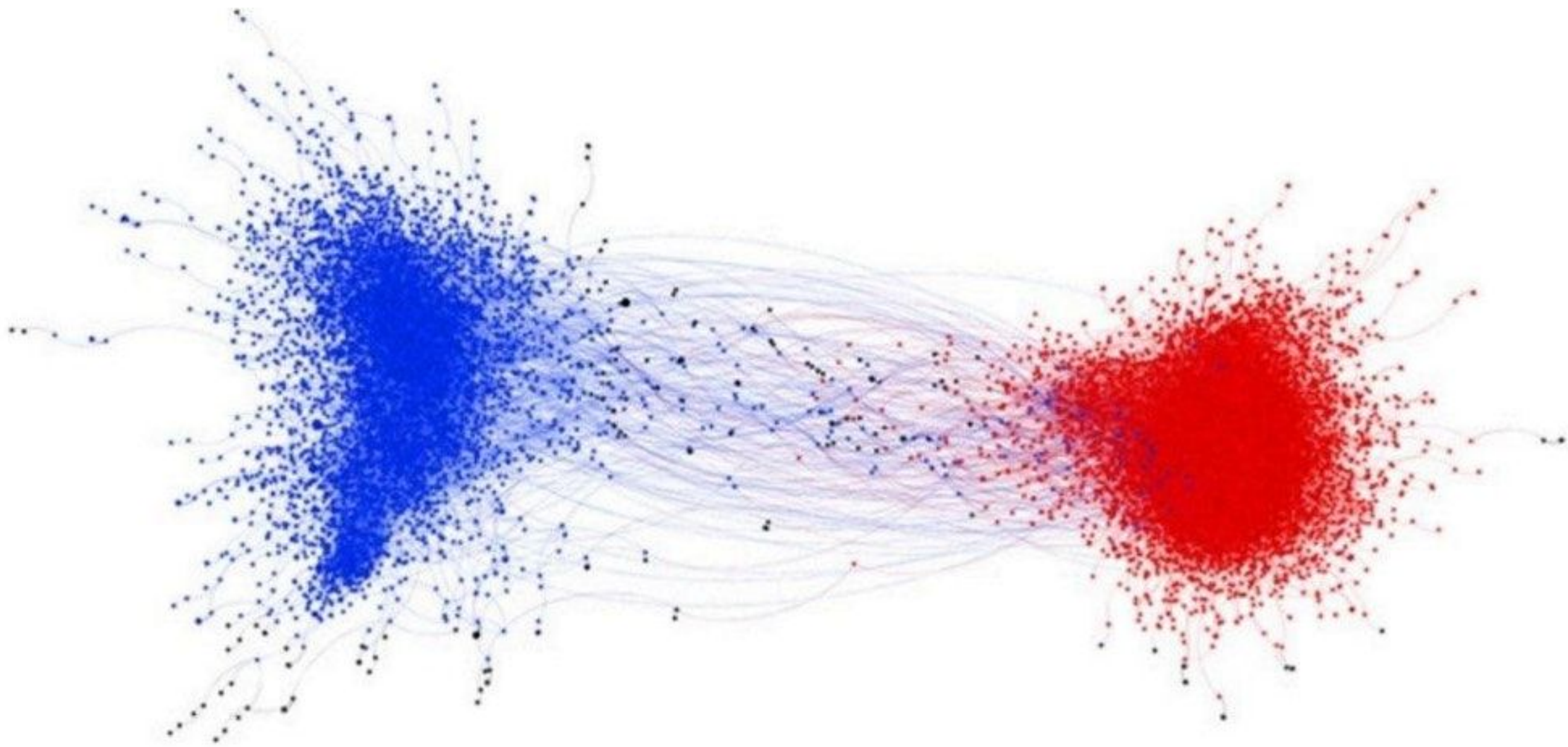
The Eclipse: Penumbras and Pancakes

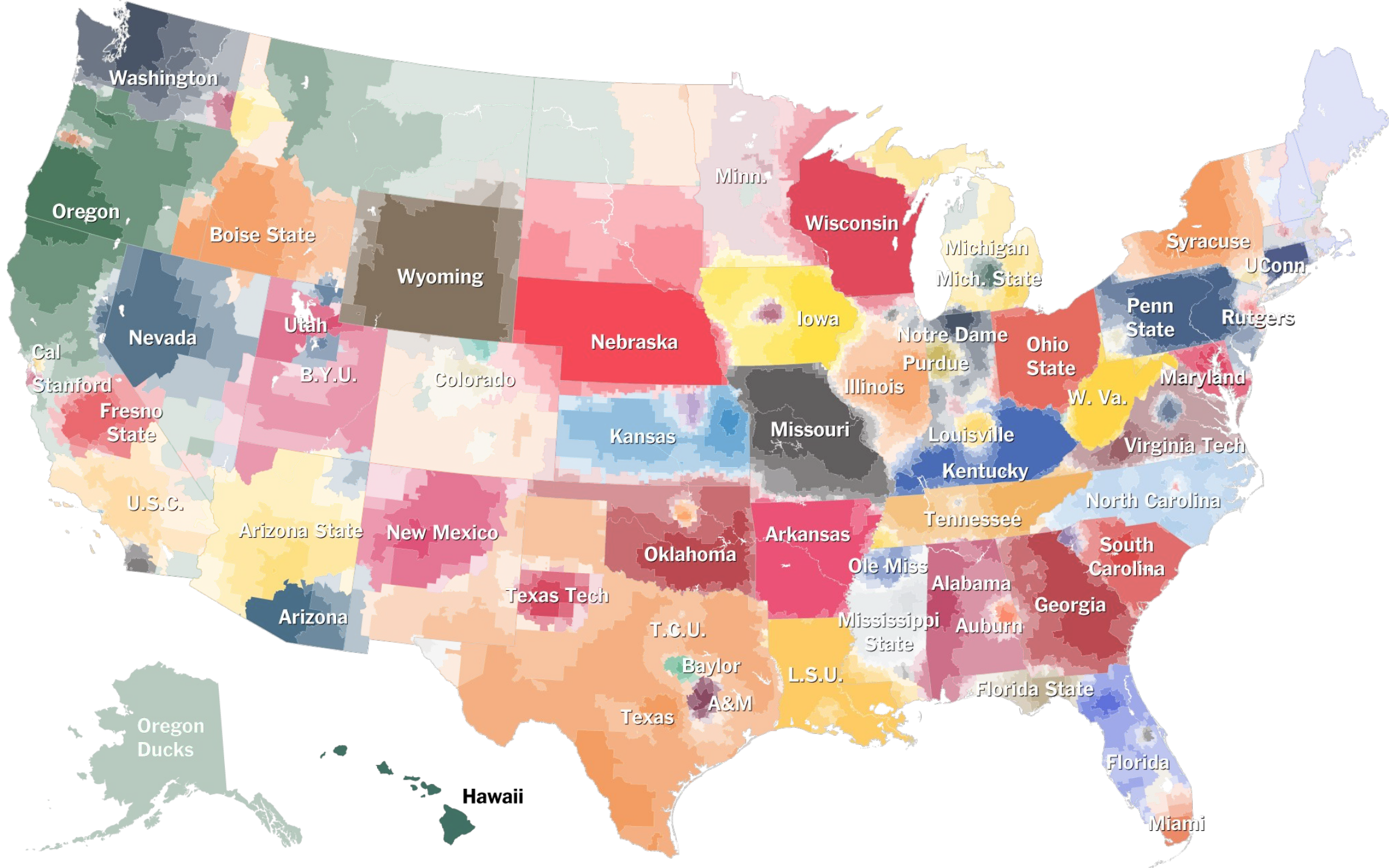
Places to watch the eclipse while eating at Denny's!

Data: Denny's; NASA Scientific Visualization Studio

Largest Corporations by Revenue, 2016 (in Billions)







Data

ADDRESSES & PH
Name & Address

Matshall & Cose
1657 Hwy. 151 N
Calhoun, La 71

Mrs. W.R. Patricia
683 Roy Wade
Choudrant, La 712

Mrs. J.O. Bertie D
600 E. Flourhoy
Shreveport, La. 7

Jerry & Kathy De
3018 Pines Rd. C
Shreveport, La. 7

Chick & Chris Ch
1515 E. Sibley Rd
Choudrant, La. 71

Flossie Compto
1000
W. Monroe, La.

Estelle & Herb Cu
~~3635 Greenfield~~
Bossier City, La

Don & Betty AT
210 Dixie Av
Harrisonburg, A

"Load 9" (828) 669-6

DATES OF EASTER - 1970-2040

Year	Easter Day	Year	Easter Day
1970	Mar 29	2005	Apr 10
1971	Apr 5	2006	Apr 16
1972	Apr 11	2007	Apr 22
1973	Apr 17	2008	Apr 28
1974	Apr 22	2009	Apr 5
1975	Apr 14	2010	Apr 11
1976	Mar 30	2011	Apr 17
1977	Apr 18	2012	Apr 23
1978	Apr 10	2013	Apr 29
1979	Mar 28	2014	Apr 6
1980	Apr 15	2015	Apr 12
1981	Apr 6	2016	Apr 18
1982	Apr 19	2017	Apr 24
1983	Apr 11	2018	Apr 30
1984	Apr 3	2019	Apr 6
1985	Apr 22	2020	Apr 12
1986	Apr 7	2021	Apr 18
1987	Mar 30	2022	Apr 24
1988	Apr 19	2023	Apr 30
1989	Apr 3	2024	Apr 6
1990	Mar 25	2025	Apr 12
1991	Apr 15	2026	Apr 18
1992	Mar 31	2027	Apr 24
1993	Apr 19	2028	Apr 30
1994	Apr 11	2029	Apr 6
1995	Apr 3	2030	Apr 12
1996	Apr 16	2031	Apr 18
1997	Apr 7	2032	Apr 24
1998	Mar 30	2033	Apr 30
1999	Apr 12	2034	Apr 6
2000	Apr 4	2035	Apr 12
2001	Apr 23	2036	Apr 18
2002	Apr 15	2037	Apr 24
2003	Mar 31	2038	Apr 30
2004	Apr 20	2039	Apr 6
2040	Apr 11	2040	Apr 12

~~Ash + Jennifer Haas~~
~~3820 Oceanside Blvd, No. 36~~
~~Oceanside, CA 92054~~
~~(760) 741-9083~~

Shane Haas + Laura
2900 S. 1st APT. 140
Austin, TX 78704
(512) 447-1670
369-1416 work

Patricia (Pat) DeVries
714 W. Arapaho Rd.,
apt. 140
Richardson, TX 75080-
4164
(972) 437-6887
Complex - 783-8600

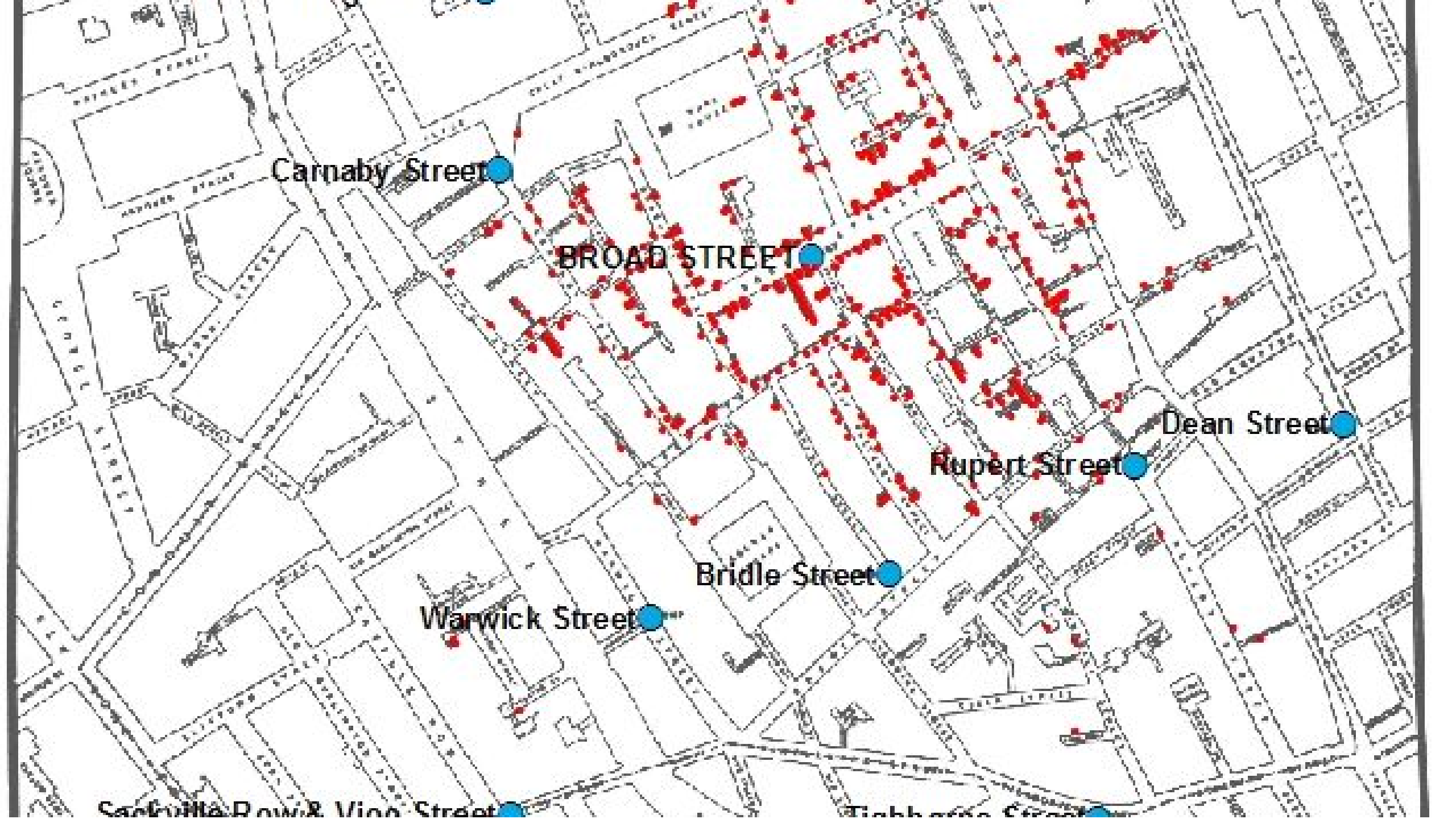
Darrell + Gloria Hartman
(501) 315-0787
Benton

Gay Beaumont
(901) 1169 Estate Dr.
Chad, John, Michael + John
686-9597

4238

	T	W	T	F	S
...	...	...	...	...	1
4	5	6	7	8	
11	12	13	14	15	
18	19	20	21	22	
25	26	27	28	29	
...
1	2	3	4	5	
8	9	10	11	12	
15	16	17	18	19	
22	23	24	25	26	
29	30	31	...	...	...
...	...	...	...	...	1 2
5	6	7	8	9	
2	13	14	15	16	
9	20	21	22	23	
6	27	28	29	30	
...
3	4	5	6	7	
0	11	12	13	14	
7	18	19	20	21	
4	25	26	27	28	
1	...	...	...	...	...
...	1	2	3	4	
7	8	9	10	11	
4	15	16	17	18	
1	22	23	24	25	
8	29	30	...	...	...
...	...	...	...	...	1 2
5	6	7	8	9	
2	13	14	15	16	
9	20	21	22	23	
6	27	28	29	30	

54



Carnaby Street

BROAD STREET

Warwick Street

Bridle Street

Rupert Street

Dean Street

Carlisle Row & Vine Street

Fishbone Street



PHASES 4 + 5: CREATE AND ACT

DEVELOPING AND SHARING
GEO-INQUIRY STORIES



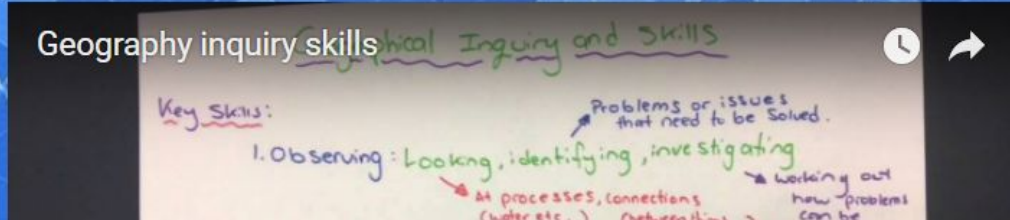
What Is Outdoor Education

A Outdoor Ed Program is a learning adventure which develops personal values and concepts, generates skills for lifelong learning, encourages group cooperation, and enhances knowledge of and appreciation for the natural environment. These are the things that you need to create a Outdoor Ed program.

- You need to get the Funds to be able to do the OE program.
- Proper safety equipment for safety of all the people doing OE so no one here gets hurt.
- You need people with the proper training in the wild

Geo-Inquiry

Our Question: What is a good outdoor education program? What does it look like?



What is the Geo Inquiry video. (2:49)

What technology tools* would we recommend?

Preference given to OER that promote UDL and are FERPA compliant.

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THE GEO-INQUIRY PROCESS

Where the Wonders of Learning Never Cease

WONDEROPOLIS®



Collect

NEWSELA

CK-12



Lucidchart

LINER



Smithsonian TweenTribune TTJunior
Smithsonian TeenTribune TTEspañol

Visualize

Datawrapper

Create charts and maps in minutes, not hours.

RAWGraphs

The missing link between spreadsheets and data visualization.



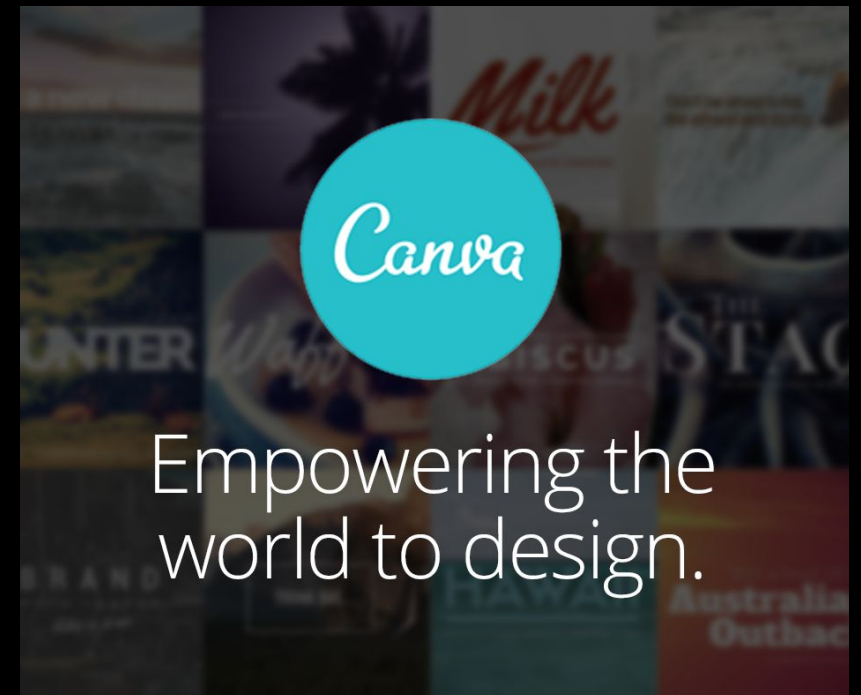
Survey123 for ArcGIS



Explore Learn Record

Create

THE GEO-INQUIRY PROCESS



Act



How to Act - Persuade to Act



PROGRAM

THE GEO-INQUIRY PROCESS



GETTY IMAGES

MORE THAN EVER, OUR WORLD IS
INTERCONNECTED.



An aerial photograph of a meandering river in a dry, rocky landscape. The river is dark blue and winds through a landscape of brown and grey rocks and sparse vegetation. The word "QUESTIONS?" is written in white capital letters across the top of the image.

QUESTIONS?



THE GEO INQUIRY PROCESS



THANK YOU!



THE GEO-INQUIRY PROCESS

