

Boise State University

**ScholarWorks**

---

Library Faculty Publications and Presentations

The Albertsons Library

---

8-9-2019

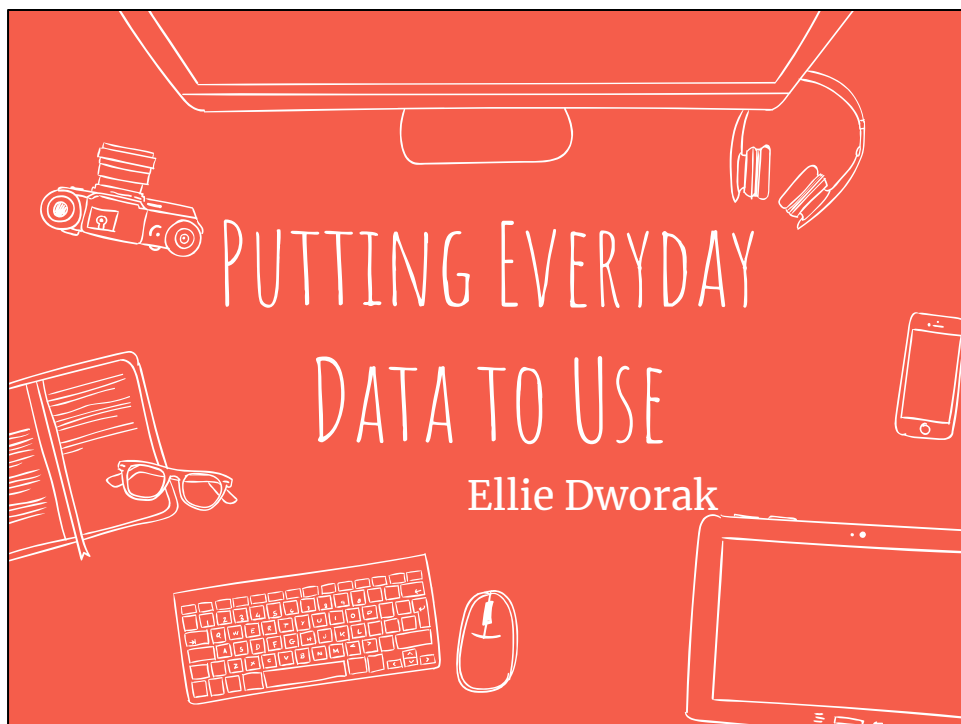
## Putting Everyday Data to Use

Ellie Dworak

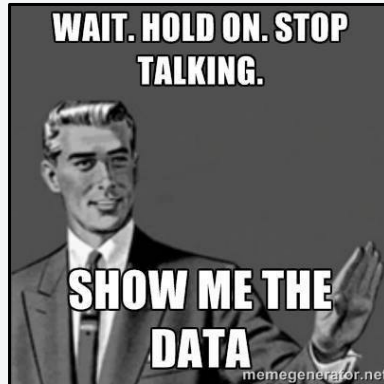
*Boise State University*

---

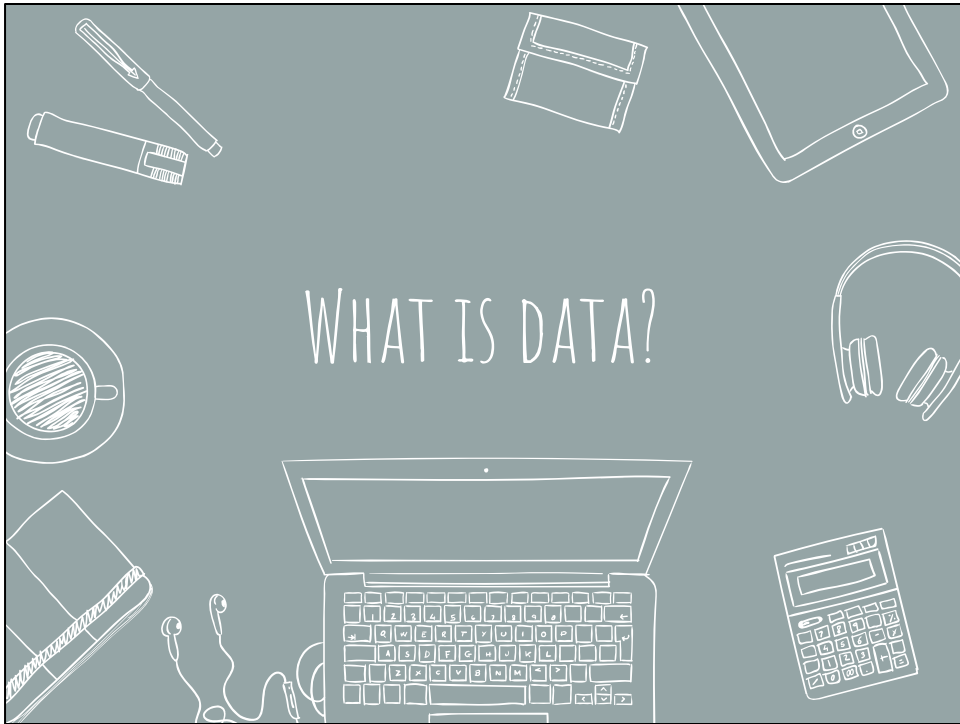
Presented at the 2019 Pacific Northwest Library Association Conference

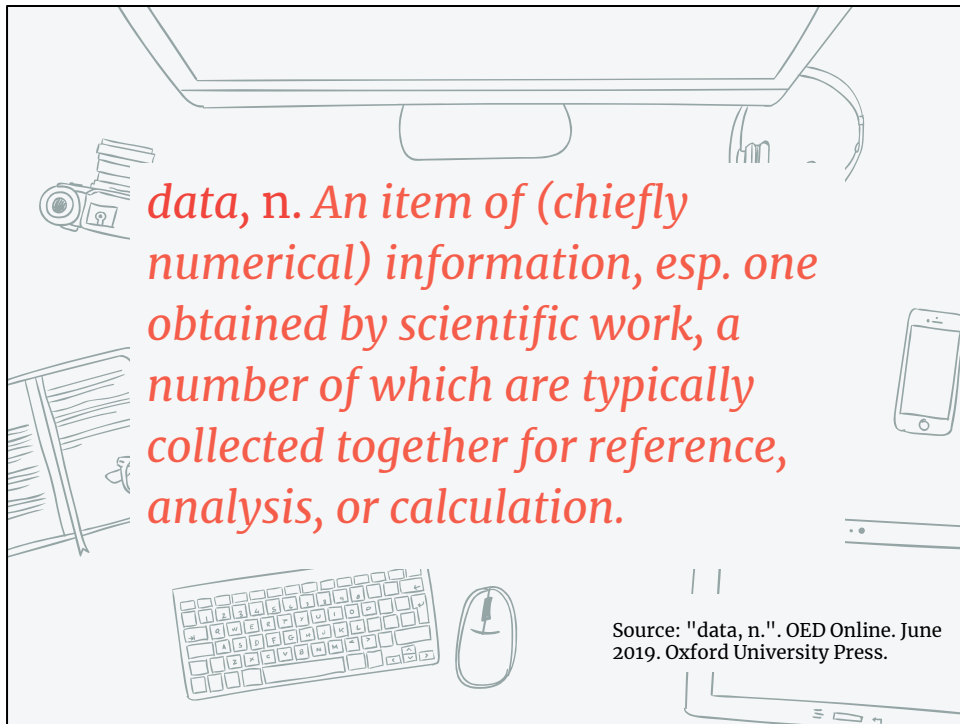


ELLIE DWORAK

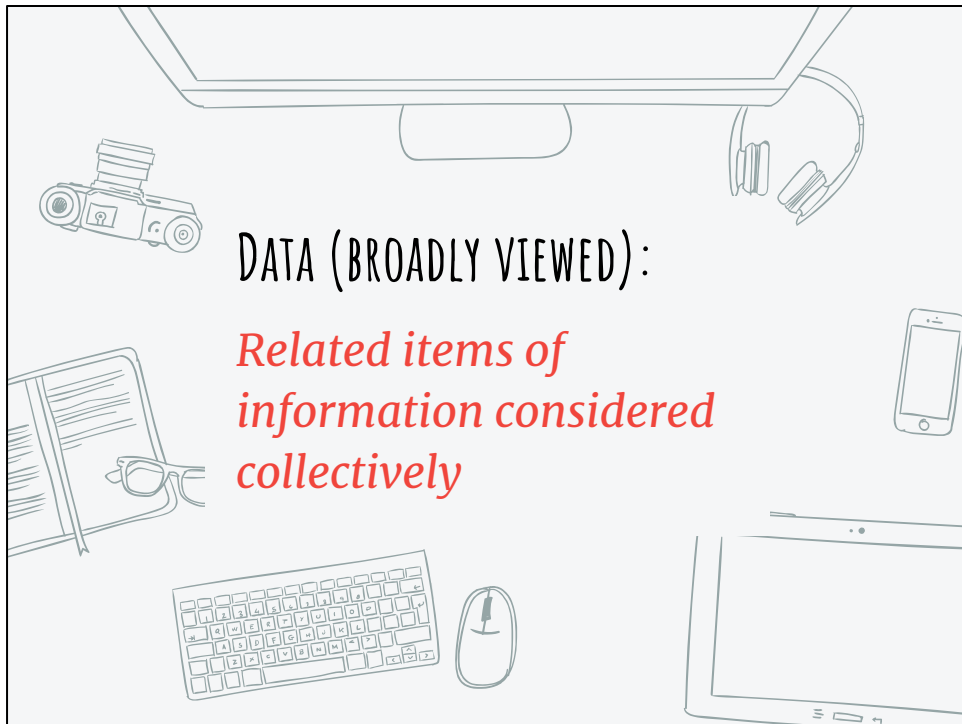


Information Design & Data Visualization Librarian @  
Boise State University, Albertsons Library





This is an official definition from the Oxford English Dictionary.



This is a broader definition.

Let's look at some examples of data visualizations that use this broader definition.

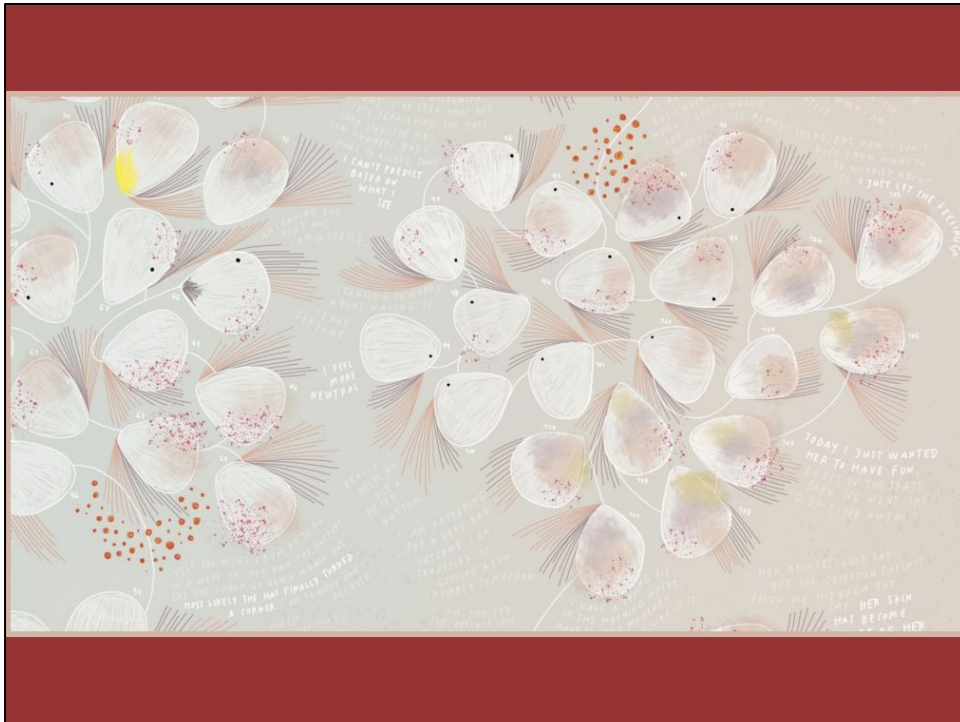


“The Sleep Blanket: A visualization of my son's sleep pattern from birth to his first birthday. Crochet border surrounding a double knit body. Each row represents a single day. Each stitch represents 6 minutes of time spent awake or asleep” Seung Lee



Timo Aho and Pekka Niittyvirta used sensors, LED lights, and timers to display future water lines





Kaki King's daughter suffers from a condition where her body attacks her own platelets, which leads to spontaneous bruising and burst blood vessels. She collaborated with information designer Giorgia Lupi to create this data driven art piece titled "Bruises-the data we don't see."





# ACTIVITY 1



## GRAB THE FOLLOWING:

- YOUR APP INVENTORY
- COLORED PENS OR PENCILS
- YOUR PACKET OF WORKSHOP HANDOUTS

WE'LL START ON THE FIRST PAGE, TITLED ACTIVITY 1, PART 2

# 1. ASSIGN COLORS TO CATEGORIES

3-4 minutes

CATEGORY	COLOR
Creating	
Entertainment	
Fitness	
Organizing	

## 2. REVIEW THE SHAPE RULES

1-2 minutes



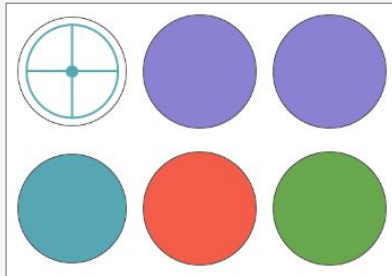


### 3. HOW ARE YOU GOING TO ORGANIZE YOUR APPS ON THE DATA CANVAS?

**1-2 minutes**

## STEP 5. COMPLETE YOUR DATA CANVAS

5-6 minutes







- Did colors that were similar or divergent work better for your data visualization?
- Which activity did you like better?



# 1. LOOK OVER THE DATA

2-3 minutes

Comment:	User group:	Age group:
Tremendously helpful staff. They really seem to care about me and my work.	Undergraduate student	18-22
The Library is my go to spot when I need to find a computer to use while on campus.	Undergraduate student	23-30
Interlibrary loan service is awesome!	Graduate student	31-45
When I request articles through interlibrary loan, the service is very prompt.	Graduate student	31-45
The librarians are great. They are helpful, positive and ready to connect with the students.	Graduate student	31-45

## 2. REVIEW THE CODES IN THE COLUMN HEADERS

3-4 minutes

User group:	Age group:	Function: Collections	Function: ILL	Function: Spaces	Happy	Not happy
-------------	------------	-----------------------	---------------	------------------	-------	-----------



### 3. CREATE SOME NEW CODES (COLUMN HEADERS)

**3-4 minutes**

### 4. FINISHED EARLY? SKETCH AN IDEA FOR VISUALIZING THIS DATA



## CODE IDEA: ACTION ITEMS

Comment:	Action item:
Library personnel are always willing to help. I like how different subjects have their own librarian that is assigned to them so that students can build a relationship over time.	
The wifi in the library is terrible and will disconnect randomly. I have spent hours in the library just waiting for it to connect.	x
The library needs more signs showing where to find printers, scanners, workstations, group study rooms, etc.	x
I wish there were more computers set aside for just looking up call numbers for library materials.	x

## CODE IDEA: FACET - PEOPLE, PLACE, OR THING?

### Comment:

### Facet

Tremendously helpful staff. They really seem to care about me and my work.	People
The Library is my go to spot when I need to find a computer to use while on campus.	Places
Interlibrary loan service is awesome!	Things
When I request articles through interlibrary loan, the service is very prompt.	Things
The librarians are great. They are helpful, positive and ready to connect with the students.	People



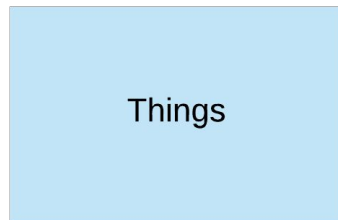
## UNDERGRADUATE STUDENTS



## GRADUATE STUDENTS



## FACULTY

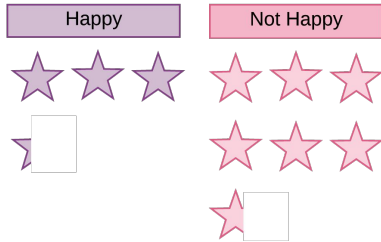


Visualization idea

## TREE CHARTS

User groups + facets

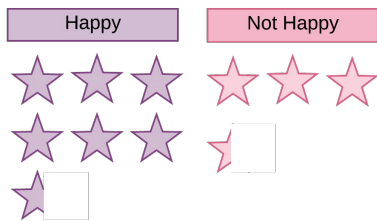
## UNDERGRADUATE STUDENTS



## GRADUATE STUDENTS



## FACULTY



Visualization idea

# INFOGRAPHIC

User groups + happy/not happy

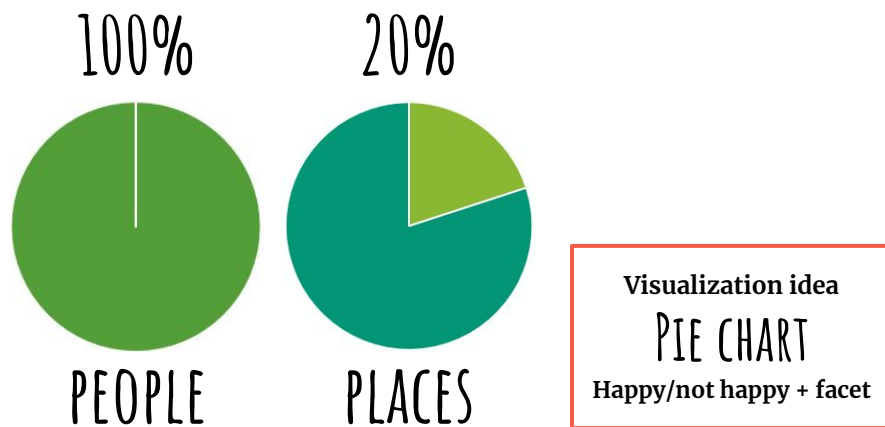


Visualization idea

WORD CLOUD

Comments

## PERCENTAGE OF POSITIVE COMMENTS



ON THE 2019 LIBRARY SURVEY

We need money for a new building



