Name	Period	

Skill 2.1 Exercise 1						
Consider the following questions. For each question, (1) indicate what type of data you would need to collect to answer the question and (2) how you think you would analyze it.						
Which hour of the day are students at Timberline the happiest?	(1)					
	(2)					
Do taller people have a longer arm span?	(1)					
	(2)					
Do students with higher gpa's sleep longer?	(1)					
	(2)					
What type of shoes do sophomores, juniors, and seniors wear?	(1)					
	(2)					

Skill 2.2 Ex	ercise 1											
Refer to the	crosstab o	chart belo	w to ans	wer the f	ollowing	•						
COUNTA of Bree Maxi	mum Life Span											
Breed Group											20 Grand	Total
Herding				4	2	3	2	1				12
Hound	1	2		4	3	4	3	1				18
Mixed					2							2
Non-Sporting					2	1	5	1				9
Sporting			1	5	1	6	5	1				19
Terrier					1	2	5	1			1	10
Toy				1		4	3	1	1	2		12
Working	1	6	1	8	2	3	2					23
Owner of Total	^	•	•	00	40	00	٥٢	^		^		405

Which breed has the shortest life span?

What is the most common maximum life span for "Working" breeds?

Name ______ Period _____

ataset -	https://docs.s		oreadsheet	s/d/1i5RAuR	urZ-	on Netflix	x. Here is a l	ink to the co	mplete
	6k0EghvrJla	Γw0BUbbGtA			ng _F	G	Н	1	
A	В		D	E Dota Added				'	J
d	Type 1 Movie	Title	Country	Data Added 7/15/2018	Release Year 1985	Rating	Genre	t Maurica Internatio	nal Maurian
	2 Movie	Esperando La C Lucha: Playing t	_	7/15/2018		TV-PG		t Movies, Internation s, International Mov	
	3 Movie	Just Love	Argentina	1/24/2019		TV-FG		ational Movies, Mu	
	4 Movie	Desire	Argentina	12/21/2017		TV-MA		ational Movies, Ro	
	5 Movie	The Aerial	Argentina	4/1/2018		TV-MA		ational Movies, Sc	
	6 Movie	Chronicle of an	-	6/15/2018	2006			ational Movies, Th	
	7 Movie	Pizza, birra, faso	-	3/15/2018		TV-MA	Dramas, Intern		1111013
	8 Movie	Grego Rossello:	_	10/31/2019		TV-MA	Stand-Up Com		
	9 Movie	River, el más gr	_	7/5/2019		TV-WA		euy s, International Mov	ies Sports M
	10 Movie	Agustín Aristará	-	2/16/2018		TV-MA	Stand-Up Com		ries, oports ii
	11 Movie	Todo Sobre El A	_	9/1/2017		TV-14		s. International Mov	/ies
	12 Movie	GO! The Unforg	-	11/15/2019		TV-PG		nily Movies, Music	
	13 Movie	27, el club de lo	-	5/1/2018		TV-MA		nture, Comedies, Ir	
	14 Movie	Mater	Argentina	8/1/2018		TV-MA		endent Movies, Int	
	15 Movie	Sebastián Marc	-	1/26/2018		TV-MA	Stand-Up Com		
	16 Movie	Malena Pichot: I	-	3/2/2018		TV-MA	Stand-Up Com	•	
	17 Movie	Todo lo que serí		4/6/2018		TV-MA	Stand-Up Com	•	
	18 Movie	Fernando Sanjia	-	5/25/2018	2018	TV-MA	Stand-Up Com	•	
nich C	column(s) cou	id be visualiz	ed using a	bar grapn?					
hich c	column(s) cou	ld be visualiz	ed using a	histogram?					
hich c	columns could	be used to cr	eate cross	tab chart? No	te, there are	several c	ombinations	that could w	ork.
Vhat w	ould the cross	tab chart show	v?						

Name ______Period _____

CL:II	23	Exercise	1
7K III	47	CXETCISE	

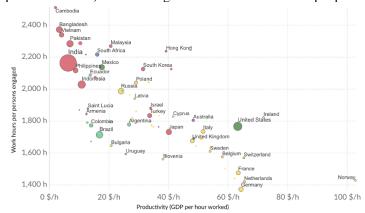
Below is a portion of a data set that contains information about different dog breeds.

Breed Name	Breed Group	Bred For	Min Life	Max	Min Height	Max Height	Min Weight	Max Weight	Temperament
Affenpinscher	Toy	Small rodent hunting, lapdog	10	12	9	12	6	13	Stubborn, Curious, Playful, Adventurous, Active, Fun- loving
		Coursing and							Aloof, Clownish, Dignified, Independent,
Afghan Hound	Hound	hunting Badger, otter	10	13	25	27	50	60	Happy Outgoing, Friendly, Alert, Confident, Intelligent,
Airedale Terrier	Terrier	hunting	10	13	21	23	40	65	Courageous

Identify two columns that could be compared using a scatter plot.

Skill 2.3 Exercise 2

Their research on Working Hours(Opens in a new window) includes this chart that compares productivity (GDP per hour worked) to the average number of hours worked per person.



What is the correlation between hours worked and GDP per hour worked?

Recently, a large group of companies trialed a "4 day work week". Based on this plot, can you predict the outcome? Check out this article to learn more, https://www.washingtonpost.com/wellness/2023/02/21/four-day-work-week-results-uk/

AP Computer Science Principles Ticket Out the Door Set 2: Exploring Two Column Data

Name	Period

Skill 2.4 Exercise 1							
For the first exercise on this ticket out the door, you were asked what type of data you would collect to answer							
different questions. For each question indicate the best v	visualization (crosstab or scatter plot).						
Question	Crosstab or Scatter Plot						
Which hour of the day are students at Timberline the							
happiest?							
Do taller people have a longer arm span?							
Do students with higher gpa's sleep longer?							
What type of shoes do sophomores, juniors, and							
seniors wear?							