Namo	Class	OUTPUT	
Name:	-10		

Date:	-	

Consumer Systems: The Long Tail

After completing this activity you will be able to: explain what a long tail distribution is and why it matters.

Step 1: Individually

Head to the website showing 2016 Domestic (US) Box Office Totals: http://www.boxofficemojo.com. Look under Box Office...Yearly and Select "2016" then complete this table:

		Gross Sales	Rank	Movie Title	Gross Sales
Rank	Movie Title	GIOSS Sales			
1			225		
10			300		
10					
25			375		
50			450		
75			525	/	
			600	1	
150				10+	1

Step 2: In Groups (2-3)

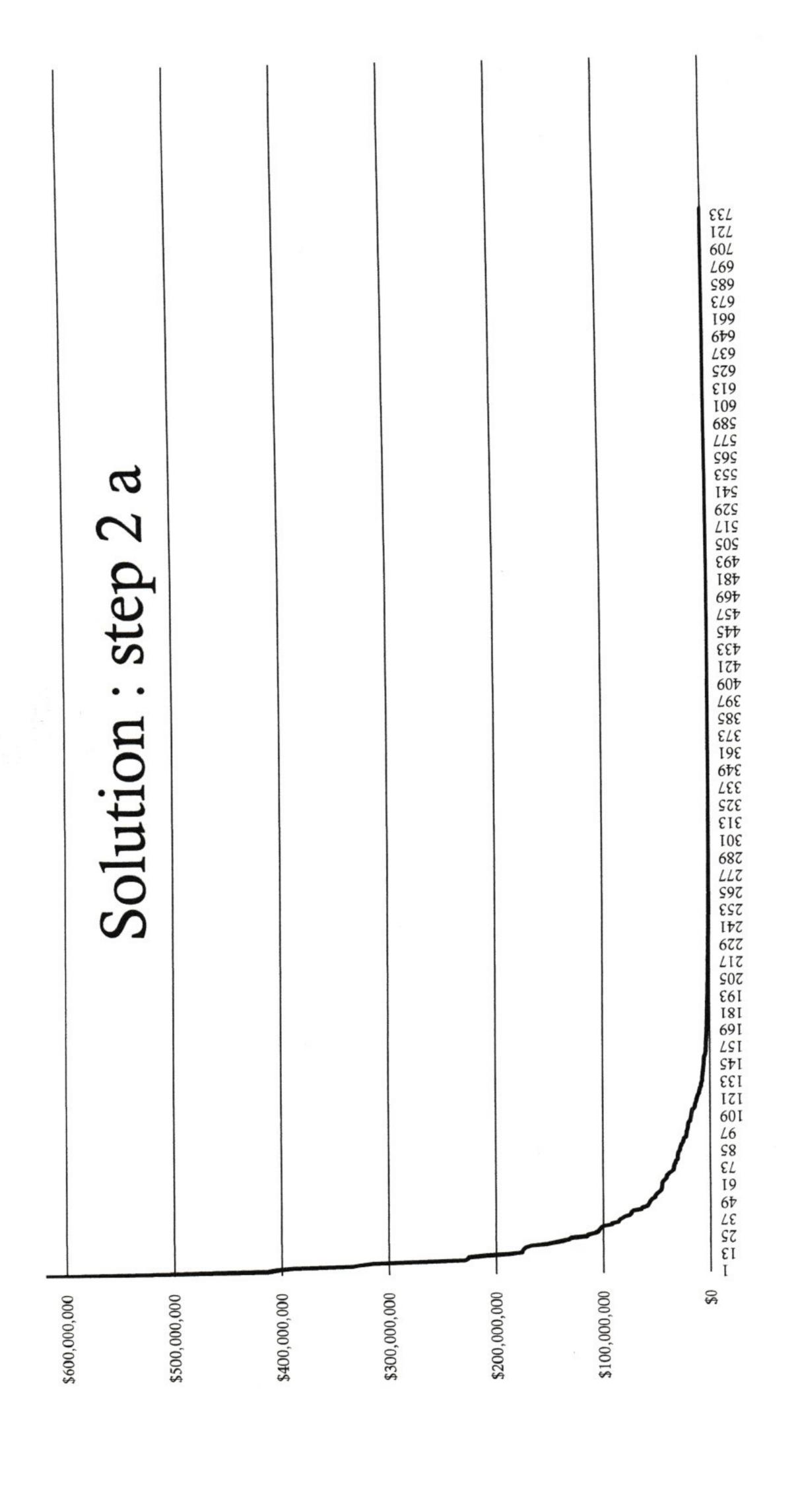
Compare your tables with other group members (e.g., reach agreement on the data!) Graph the data onto this chart:

	Total Gross
450,000,000	
400,000,000	W
350,000,000	
300,000,000	
250,000,000	
200,000,000	
150,000,000	
103,000,000	
50,000,000	
0	200 225 600

und the technited draw	a line connecting th	ne individual data	politis. Menand	
nce all the data is charted, draw				(So adabili
estions: • There are 3 general meas	sure of central tende	ncy (e.g., averag	e). How much mon	iey did the
• There are 3 general measure?	0,00			XY
average movie make?				ot
o Mean: o Median:				Mr.
• • - Ja			0	
				movies would
 If you totaled up box offi 	ce receipts from the	bottom N movie	es, about how man	y movies woold
it take to match the tota	I for the top-grossin	g film?	0	
 Do you think the top-ter 			es of the year?	
	Charles Dicci	ice as a Class		
	Step 3: Discu	iss as a Class	stribution vs. norm	nal distribution.
Differences between me	ean, median, and mo	Tong-tall di	unbers L	> close to m
	1 VII VETU C	1 ste achti	CINGOLI	
	wer these short-a	HSWEI QUESTION		
. Draw a long-tail distribution:				
Vine 1	uct or service (other	than movies!) th	nat follows the long	s sold on
2. What is an example of a prod distribution?				
3. Why does it matter what dist	ed doing this activity	ales follow? -ent mar y?	Keting & in	
3. Why does it matter what dist		ales follow? -ent mar y?	vally)	wentory man Shategy/pro
3. Why does it matter what dist it will require 4. What is something youllearn	ed doing this activity	ales follow? -ent mar y?	Keting & in	strategy/pro
Why does it matter what dist	ed doing this activity	ent mar	ually) 4 Somewhat Agree	Shategy/pro
Why does it matter what dist What is something youllearn atings 1 Completely Disagree	ed doing this activity Step 8: Rate this a	ent mar	vally) 4 Somewhat	Shategy/pro
Why does it matter what dist What is something youllearn atings 1 Completely Disagree Statement This is an engaging activity.	ed doing this activity Step 8: Rate this a 2 Somewhat Disagree	ales follow? ent mar y? ctivity (individ	ually) 4 Somewhat Agree	Shategy/pro
Why does it matter what dist	ed doing this activity Step 8: Rate this a 2 Somewhat Disagree	ales follow? ent mar y? ctivity (individ	ually) 4 Somewhat Agree	Shategy/pro

Solution: step 1

Rank Title 1 Star Wars: The Last Jedi 10 Justice League	¢620 181 382
1 Star Wars: The Last Jedi 10 Justice League	6620 181 382 V
10 Justice League	\$050,101,050\$
Och Commons The Last Vnight	\$229,024,295
Tansiormers. The Last Milking	\$130,168,683
50Darkest Hour	\$56,468,410
7 (\$33,700,160
150Tiger Sinda Hai	\$5,560,921
יונק ט	\$1,281,258
7	\$406,284
) E	\$151,042
450Extraordinary Mission	\$54,174
525The Departure	\$24,662
600Shadowman	\$13,498



Solution: step 2 b

Mean	\$89,752,872
Median	\$3,421,090
Mode	#N/A

Top Movie Sales	\$620,181,382
Sales from Movies #113 to 740	\$625,058,866
(ie: 628 bottom movies to match the top movie)	