Video (1): Ty	Des of Graphs	daly part to mater all of a thomas		
		number of categories IIII		
Di Circle Graph: Compare parts of dato to the Whale & Ith Ith				
3 double bo	r graph: compose	two or more sets of dela It		
A Box whis	Kers plot: Show	measure of variation It		
B Histo gram	. Show freque	eny of data divided into intervals		
6 Line graph	- Show Change	eny of dada divided into linter vals TIII		
Filine plot:	Show frequence	g data on a number Line xxx		
•	, ,	0 1 2		
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10-19	5	6		
20-29	10			
30-39	6			
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Organizing data	a byusing -	the Place	values	of Numbers	dalpate 187
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tides 4: How to Make abox and our wisisker.
Some example 1 (1000 con) 24
3, 8, 8, 6, 11, 12, 14, 14, 16, 20, 23, 25, 28, 35, 36
37,41,43,48,60,62,69
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1 sever Box
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tine on the so My box divided equall
Some questions?
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2) what fraction represents customes older than 41? 251. 4
What recent of customes between 12 and 41 years 2 50 1
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E) Are the agos More speard out the 1st quartile or above
the 3rd quotile? Compare whiskers (whisker above D3
is longer) so is More spread out above 3rd quartile
TOO Q D 111 12 00
IQR = 93-9, =41-12-29
Goill -

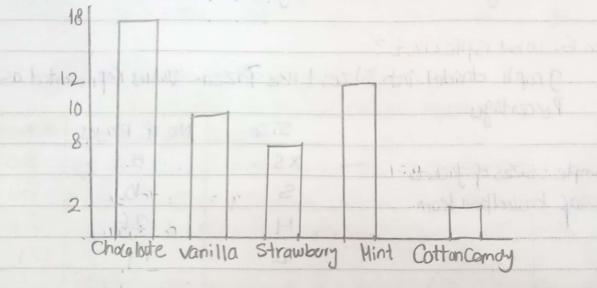
Can you describe how this data destributed? Skewed right Video 5: - How to Make adot plot? represent data in a simple way to understand the More data Points you have at the higher ad Certain number the Stackwould 1,2,2,4,4,4,45,7,7,7,7,9,10 Why we use dot Pull? quickly spotting potterns and trends in data plus they are simple and easy to understand. video 6: what is pie chart? graph divided into Slices Like Pizza. Values represented as Percentages Size. No of Playes degraps Poer 8.3 XS Example: Sizes of jackets 10 17:1 of basked ban team. 26 442 M 19 114 323 Psour for the land 60 360 (Véos) (3)

Used to compare different Types of information

(X axis) reprenst Type of variable. (Qualitative values)
(Yaxis) values that determine the height of
each box the numbers on-(reflect frequency)

width of burs are the Same as well as the space between Each bari

Plavor	votes-	
ChoColate	18	
Vanilla	10	
Strauberry	8 1	
Mint	12	bis office as
Cotton Comoly	12 -	a have always



REGOD



Video 8: Symmetry and Skewness:
talking about Shape of distribution.
data is symmetrical if it can be devided into two equal. Sizes of the same shape.
oras of the same shape.
Skewness -> Asymmetria.
Oskewed to the left
estatettastata 14-17 milionimmin handina
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- Held wind to be a second
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if mean = Median >
The state of the s
Ske wed distribution part right Skewed to the right
right Skewed Mean > Median.
Cignt Preft
Wisson - Wisson
(F)

Video 9: What Is had Map

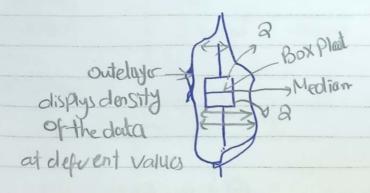
graphical representation of data where values are expressed.
as colours

it allows for alonge momber volume of data to be communicated AlMost instantly.

Benefits of heatMap.

enhanced Communication with StakeHoldes:
High engangment with turged
The Ability to derive valuable insigns from Vast Data Sels:

Video lo : Violin Plot.



Wide section - More date idensity.

Why use a violin plot but and not abox?

is that addition to Showing statistics Like the median and IOR and also provides a visual representation of the destribution and density of the data that can be particularly useful when you went under stand. The shape of data.

الأقوى

