	How to Geate a Box plot
	Identify Key percentiles (Q1, Q2, Q2)
	Identity Key per centiles (QI, Qz, Qz) Draw a box from 25 th to 75th percentile
3	Draw whiskers extending to the snallest and largest non-
	Oultion values
4	Mark outliers using circles
5	Mark far out values (extreme outliers) using afterisks.
6	Mark far out valuer (extreme cutliers) using asterisks. Optionally, add a plus sign for the mean
	Stroop Indexerne (ase Study (color-Nama Task)
	Stroop Indexerence (are Study (color-waring Just) Data collected from 16 men and 31 women naming
	Color as qui ctly as possible
	Re data for the women in sumple use stownin
,	Table J:

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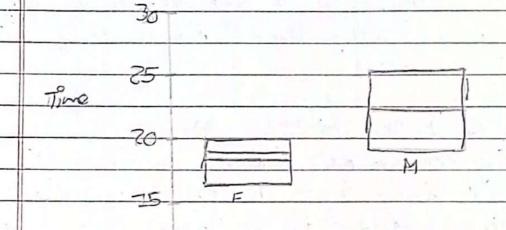
11										
	- In a l	14	17	18	5 9	70	71	79	. 11	
3		15	17	18	19	70	22			
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		17	18	18	70	71	24			
- 11										

From the data 25th percentile is It, 50th percentile 1529

and 75th percentile is 70, For the men

25th percentile is 19, the 50th percentile is 72.5

and the 75th percentile is 75.5



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	Box plot term	s and values for none	Hires	21 1	
	pare	T-osmula .	valie-	· day	23
	Uppor Hirge	75th percentile	70	2.3	
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-	each box to give additional a la discordination
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	the data. Whisters goe dawn from the war and lass
	hinges to the upper and loves adjacent lakes (24 and
	14 dos the women's chata)
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	F. Gendoo M
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	Summary of Box Clarks
	KII MINTS
	Bas Lieurs are useful for visually sepresorting duta, especially cate gorical costs and danger our time They can display frequency counts, percentages and neurs but are not ideal for distributions.
-	They can display from the
	and neums but are not ideal for distributions
1	TO I MOUTIONS

	When to use Bar chasts						
	Compasing Cute go-ical Data						
	Example iMac Buyers A barthart compared Low hany bycors we previous Mac users, windows users or now users						
	A bastlast compared Low hary by as we previous						
	Mac users, windows users or LOW users						
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	De par de de l'						
	Use bas chasts for comparing categories trends and nears						
	Summary of lise brights Live oxyphe one similar to buy on the billion						
	Line graphs are similar to but graphs but use points Connected by lines instead of bars They are bother Shewing thends over time and company danges						
	Stewing the not over time and shey are host for						
	across different categories						
	When to use live brooks.						
ユ	Trucking charge over the						
	comparing Multiple time coxids.						
3	Highlighting trends and patterns						
4							

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	Data / / Prega Ho.
	Example Consumos Price indext
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	7°5
	July 2000 October 2000 January 201 April 200
	When not to use live Greaghs
	For categorical Data
	Rule of thumb: - If the X-axis rategories don't have a natural order like time, sankings, or neasurents) do
	a natural order like time, rankings, or neasurents) do
	Let use a line graph
	tey take Lays
-	Use live graphs for time trends, comparisons and continuous at
-	Use line graphs for time trand, comparisons and continuous data. Avoid line graphs for putely categorical data - use box clasts instead.
•	Misuse of live graphs can create misleading impossions.