

	discrete: pmf. prob mass for Lilling-discrete wies	
	continuous: pdf: prob density f ⁿ \ = singh wr	ષ
	Presenting Data	
	Line Graphs	
	The graph	
	Use only when X, Y are quantitative	
	Use only when X, Y are quantitative better than bar at comparing change over time	
	Bar Chart (Wistnavam, for court.)	
	discrete data)	
•	X: categorical, Y: frequency	
	Bar Chart (Mistogram for coult data) X: categorical, Y: frequency can be used to display means (box plot preferred)	
	Box Plots Hoely for in deaptiming on their	
	[
•	useful for in dentifying outliers	
	75% tile value	
	mean is indicated - mean is indicated	
	= 25% tile value with a plus sign.	
	U : Corr ad = 75 Circ - 25 file feno	
	H spread = 75/cile - 25/tile step = 1.5 (H-spread) hinge fill step fill	,
	hinge of hinge	
	hinge spt. 50 lowerhing	
	25 Lowerhing	e
	fraces above : upner hinge tacken	
	finces below: lower ringe - Astep.	
	inner · A = 1	
	outer: A = 2	
•	upper adj value = largest value below the upper inne	
	lower adj value : emallest value above the lower wine fence	r

FOR CONTINUOS DATA, NUMBER OF CHASS INTERVALS = J# of data

H-Spread	Upper Hinge - Lower Hinge	Upper Adjacent	Largest value below Upper Inner Fence
Step	1.5 x H- Spread		Smallest
Upper Inner Fence	Upper Hinge + 1 Step	Lower Adjacent	value above Lower Inner Fence
Lower Inner Fence	Lower Hinge - 1 Step	Outside Value	A value beyond an Inner Fence but not beyond an Outer Fence
Upper Outer Fence	Upper Hinge + 2 Steps		
Lower Outer Fence	Lower Hinge - 2 Steps	Far Out	A value beyond an Outer Fence

Frequency Polygon graphical device for understanding shapes of dist good for displaying cumulative frequency distribution

L, add up freq. up till 4 including that class

Histogram cont classes V/s freq (x xxy) or relative frequencies (0 to 1) rf = ==

x axis -> variable whose distribution is of total obs interest

edward tufty of
Stem + Leaf Displays
 stem: 10's digits Leaves: 1's digit helps clanify the shape of the distribution stems can be split however it is easier suitability of a stem and leaf display depends on whether the data can be rounded w/o loss of info

lecture Examples

A histogram for 40t salaries

The salaries right skew is expected as some (few) people are carring large amounts

variable whose dist is of interest

salaries as that is the

	box plot					
	upper outer fence					
<i>γ</i> η η χ :	s upper adjuunt value					
upper hunge + Step	upper hinge (75.1.)					
upper unner fence	m edian					
lower inner	edian (25')					
max lowerhinge - step	lower hinge (25%)					
- step	l lower adjacent value					
	lower outer feace					
	far out value: beyond outerfence outside value: beowern; noer and outerfence.					



