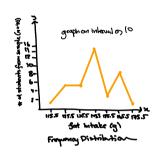
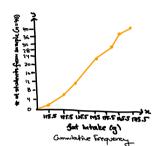
(1) a Construct a frequency tobe by hand+ plot b. Combative Frequency

Stuges Principle: $1+3.3\log(40) = reiling(6.2) = 7 < \frac{5m n. -1}{19. N - 194}$ $\frac{P}{I} = \frac{1344-130}{3} = 7.714 = 100$ we round 40 10

Class inherval 110-120 121-130 131-150 157-150 161-130	frequency 5 5 15 3 9 2.	Gsumlative Frequency b 11 26 29 38
	40	/



Coole:



1 For Chokesterol tip File

a. mean: 202.78 C. Standord do: 42.98

b. median: 196 f. Variance: 1847.24

c. mode: 205 9. 1st cuefficent slow. 0.4736

h. 75 certhial skew: -0.524 d. range: 208



3 Analyze phonococcinetic parameters for money mouth for anti-topessent 12 delapoints integ: 62,51,56,56,57,67,66,60 61,58,60,49,71

a. mean: 59.836 d. range: 22

b. median: 60.0 e. variance: 36.807

c. mode: 60.0 f. stal. dev.: 6.0667

g. 1st roef grow: -0.8241

- (9) 10 people are selected to fill I vacauncies, how many ways can the vacancies to tilled? $C_{5} = \binom{10}{5} = \frac{10!}{5!(10-5)!} = \frac{10!}{5!(5!)} = \frac{3.628,800}{120(120)} = \frac{252 \text{ ways to fill vacancy}}{252 \text{ mays to fill vacancy}}$
- (5) Health Dept Deceives 25 appliants. (10 > 30 y/o, 15 < 30 y/o), (17 = bachelor, 8= good), (6=) 430 y/o and = grad). Prob person >30 OR morsher)

P(Person over 30 | Master's) = $\frac{10}{25} + \frac{6}{25} = \frac{16}{25}$ or 0.64

(b) From a group of 6 men + 5 women, 4 persons are selected such that half are women (2 of 4). In how many ways can this be done?

$$C_{2} = \frac{6!}{(6-0)! \, 5!} = \frac{60}{(34)(2)} = 10$$

$$C_{2} = \frac{6!}{(5-2)! \, 2!} = \frac{60}{(34)(2)} = 10$$

$$C_{3} = \frac{6!}{(5-2)! \, 2!} = \frac{60}{(34)(2)} = 10$$

For Indigenous Mozori Regule

P(exposed to plant based allogor in readin) = 0.6
P(allergic reaction | exposed) = 0.8

P (has been exposed to allegen) = $\frac{0.6}{0.8}$ [= 0.75]