## #1 Plurality Method

Number of Voter	5	4	4	2	2
1 <sup>rt</sup>	V	P	A	1	A

- (7) Peter = 4
- (T) Thomas = 2
- (s) Sam = 5
- (A) Alice = 4+2 = 6



Alice got the higher of when but not in the majority but of it a winner

## H1 Plurality with Elimination Helenat

# os Voku	5	4	4	2	2
1"+	v	7	٨	P	4
24	Ф	r	C	A	P
3 <sup>rd</sup>	Α	¥	P	S	S
	-				

Peker (P) = 
$$4+2 = 6$$
  
Thomas  
 $Sam(s) = 5$   
 $Alice(A) =  $9+2 = 6$$ 

# of Voter	5	4	4	2	2
ari	P	Þ	A	Þ	A
24	A	A	P	A	P

Peter got the highert number of toker and har the majority of vokes: # 1 Borda Count Method

# of Voter	5	4	4	2	2
1 <sup>ct</sup> (4)	5 (20)	P (16)	A (16)	T(8)	A (8)
24 (3)	P (15)	T (12)	S (12)	P (6)	P (u)
7 <sup>rd</sup> (2)	A (10)	5 (8).	7 (8)	A (4)	5 (4)
4th (1)	T (5)	A (4)	P (4)	5 (2)	T (2)

(unmary Point of Each Candidate.)

Peter (P) = 16+15+6+6+9 = 174

Thomas (T) = 8+12+8+5+2 = 35

Sam (r) = 26+12+8+9+2=46

Alice (A) = 16+8+10+4+9=42

Voing Bord Count Peter iv the winner.

# 1 Fair hise Comparison Voting Hehod

# of Joka	5	4	1 4	2	2
Act	7	P	A	T	A
2nd	P	Т	v	7	7
nd	A	r	+	A .	S
4#	Т	A	P	3	

ted to thead

Pairs	1 X ve	17	Av	"	A	Tw	171	1 m	1 P v.	٢T	16	v T	
	4 2	5 4 2	4 2 2	5 4	792	4 2	4 2 2	9	4 2	4 2	5 4 2	9 2	Peter (P) = 2
Total	u	h	8	11	n	. 0	8	9	le la c	d	A	<u> </u>	Thoma(T) = C
Winner		<b>P</b>		C	1	1		ς .	†			S	San(1)= 3 Alice(A)= 1
					A SA								Market 14.

# 2 Pluvality Michael

th or votes	ħ	25	30	10	T,
dat	C	L	L	10	1
5M	X	c	C	M	1
3rd	M	A	И	A	6
4+0	L	M	A	L	1

Latte (L) = 25 + 30 = 55/4 Cappuccino (C)= 15 + 10 = 25 Mocha (M) = 0 Americano (A) = 0

Latte got the higerst number of voter and har the najority of voter.

# Pluvality with tlimination Hethod

th or notes	12	25	30	Ю	10
1 0}	С	L	L	(	
ord	L	C	C	L	

Latte (L) = 25 +30 = 51/4 Cappucino (C) = 15 +10 = 25

Latte got the highest number of voter and har the majority of voter.

# 2 Bordo Count Hethod

og libles	ટા	25	30	16
101(4)	c (60)	L (106)	L (120)	C/10
2nd(3)	1 (45)	C (73)	c(10)	46
3rd(2)	м (30)	V (20)	µ(60)	h(20)
	The second second	M(25)	AND ADDRESS	

V = 100 + 120 + 15 + 10 = 245 C = 60 + 40 + 75 + 40 = 265 H = 20 + 30 + 60 + 25 = 145

A=45+50+20+30=145

Wing Borda Count Cappucino in the winner

# 2 Pair Wise Comparison rating Method

# of Notes	U	25	30	10	1
Ty	C	L	4	(	
2~	A	C	C	M	1
grd	М	A	И	+	†
4 th	L	М	A	1	1
			1	Y	

Head to Head

burr	ANC	1 AAT	INH	LCNL	CWH	LWH
	15 25 20 10	19 25 10 50	15 % 25 P	15 25 10 30	15 25 30 N	25 15 50 10
Total	6 80	25 55	40 40	25 St	80 D	TT 25
		L				

L= 2 Latte is the winner / C= 2 M= 1 A= 1 3 Pluvallity Hethod

trace.	13	04 VOI-	tva_1b
14	A	c	Ð
2 101	18	В	A
37	D	15	13
4 +4	c	A	C

C = 12 D= 10

Uring (Plvari) Plvrality Method Brand A iv the winner

HaPluvality with tlimination

Disco	# os notern					
Place	13	12	10			
100	¥	С	D			
27	D	D	. A			
371	C	A	C			
	-					

$$7 = \frac{13}{10}$$
 $C = \frac{12}{12}$ 

4	# (	os vak	r
Flace	13	12	10
Tet	A	c	A
2nd	C	A	C
			2.3

ving Plurality with Himination the Brand A in the winner 11

Pace	4 03	Votare	
	13	12	10
14(4)	A (50)	c (48)	p (40)
24 (0)	B (31)	0(00)	A (%).
3rd (2)	to (26)	D (24)	B (20)
			c (10)
	A = 82-	+ 12 +31	- 14
	8-37	13672	0=95
	C= 13+	48 +1	0 > 71

D= 26+24+40 > 96

bring Borda Count Brant B ir the winner

Pair Wise Companison Voting Method

Tlace	#	os voto	γ-
14.0-	13	12	10
14	A	C	₽
21	B	В	A
314	ħ	Þ	В
44	С	A	C

thead to thead

Pairs	Ava	В	w 4/	C 1	A V	D	Br	C	BV	u P	10	d uv
	10	12		12	13	12	10	12	13	[D	12	13
Total	13	12	23	12	13	22	23	12	25	ю	12	23
Vinner	A		A		t	>	12	2	也		1	>

Vuing a tour wife Comparison Voting Methord Brand A, B, D are the winners

H4 Privality Hethod

	<i>lumbe</i>	28	roter
130	120	100	140
P	1	+	ζ
4	- 130	,	
	7	P - 130	

C= 120

Vorling plurality Method Contidate T in the winner

II 4 phrality timination Method

Hoa		Numb	er of 1	Voterv	
TIVE	130	120	100	150	A
14	P	T	て	2	[ /M
2nd	S	r	P	7	1/2
3rd	T	P	U	+	

$$P = 130$$
  
 $T = 120 + 100 = 220$   
 $C = 180$ 

Place	Į į	t of	Vater	
	130	20	100	180
1"	. 8	T	T	2
2 nd	T	S	S	T

$$T - 10 + 100 = 220$$
  
 $S = 130 + 100 - 280$ 

bring Plumlity with Himination Candidate is in the winne

4 9 Borda Count Method

Flace		£ 08	Valer	
	30	20	100	160
Not (4)	P(00)	T(16)	T(400)	2 (600)
2nd (3)	R (310)	P (360)	P (300)	\$(400)
3rd (2)	5 (260)	5 (240)	P (200)	p(300)
4*(1)	_	-		

P = 520 + 200 + 300 + 120 = 1,140 T = 450 + 900 + 130 + 150 = 1,160 P = 390 + 360 + 300 + 450 = 1,500 + 6 = 600 + 260 + 240 + 100 = 1,200

Ising the Borda Helland Candidale R in the winner

#4 Pair Wise Companion Valing Method

the	# of Voters							
Teloc	130	20	100	110				
Vat	P	T	T	5				
2 nd	12	72	P	7				
32	2	r	7	P				
4*	T	P	2	·T,				
		•	and the second	1				

that to thead

Pairs	Pro	大!	Pr.	122	PW	T	7 v	44	PV	TZ	To	127
	130	120 100 158		120 150			130 120 100	150	130 150	120	120	130
Total	Bo	370	230	270	280	230	40	150	280	220	220	280
- Vinner		P		ſ	肀		1	2	12		V	

$$P = 1$$

$$T = 0$$

$$P = 3$$

$$S = 1$$

voing the tair hire Comparison voting Medhod Condidat P ir the winner

5	Florality	nethod
		HETWOO

Place		30 H	Points
14+	13	5	10
	8	A	A
2nd	A	c	В
3-9	C	B	С

Place	15		lo ·
14	_		, •
1	13	A	A.
		5+10	

Using Plurality Hethod ith whome that good food A and B are the best fast food burger relievs.

# I Elimination Phrality Method

Place	R	5	(1)
24	B	A	A
2 <sup>rd</sup>	<i>&gt;</i>	В	B

being therality Hellood it whoms that fact good t and Book burger sellers to

Place	# of Points		
and the	B (45)	A (10)	10 10
1		c(10)	
2 nd (i)			C(10)

A = 15 + 30 + 30 = 75 + 45 + 20 + 5 = 70 C = 10 + 15 + 10 = 35

vring Borda Count it vhave that the fact food who sell, the best burger in the fact food

*\**.

Wire Comp	arison Vot	ing Hellow	
4	t of Po	infs	
U	T	10	
13	A	A	
A	C	B	
c	13	r	
	Wise Comp	Wise Comparison Voting  H of Point  13 A  A C  C 13	

Hand to Head

Pair	Av	v B	AVVC	Brec	
	5 10	15	15	15 5	
Tota	13	15	30	25 5	
Winner	A	QB	A	B	

A = 2 B = 2 C = 0

Using Pair Wife Compavison
Voting Method the fort food
I fell the best briger in fact food A and B