3/12/2019 Results: Tutorial 5 Q1.sas

# Chi-square test for the related samples

# The FREQ Procedure

### gender=F

Frequency Percent Row Pct Col Pct

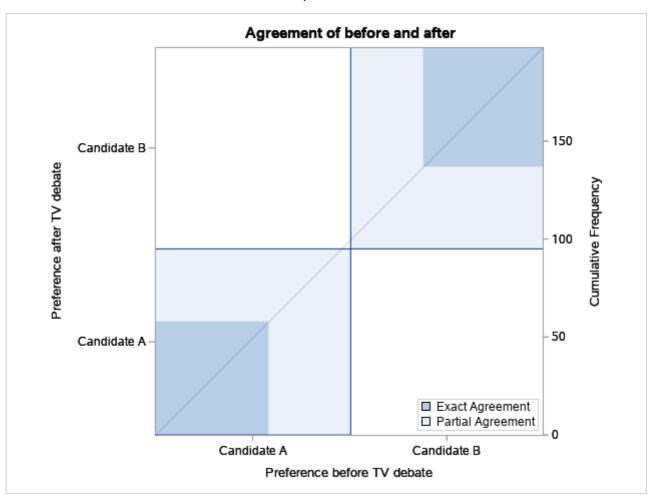
Table of before by after			
	after(Preference after TV debate)		
before(Preference before TV debate)	Candidate A	Candidate B	Total
Candidate A	58	42	100
	29.29	21.21	50.51
	58.00	42.00	
	61.05	40.78	
Candidate B	37	61	98
	18.69	30.81	49.49
	37.76	62.24	
	38.95	59.22	
Total	95	103	198
	47.98	52.02	100.00

# Statistics for Table of before by after

McNemar's Test			
Chi-Square	DF	Pr > ChiSq	
0.3165	1	0.5737	

Simple Kappa Coefficient			
Estimate	Standard Error	95% Confid	ence Limits
0.2023	0.0695	0.0661	0.3386

Sample Size = 198



3/12/2019 Results: Tutorial 5 Q1.sas

# Chi-square test for the related samples

# The FREQ Procedure

### gender=M

Frequency Percent Row Pct Col Pct

Table of before by after			
	after(Preference after TV debate)		
before(Preference before TV debate)	Candidate A	Candidate B	Total
Candidate A	67 34.36 70.53 59.29	28 14.36 29.47 34.15	95 48.72
Candidate B	46 23.59 46.00 40.71	54 27.69 54.00 65.85	100 51.28
Total	113 57.95	82 42.05	195 100.00

### Statistics for Table of before by after

McNemar's Test			
Chi-Square	DF	Pr > ChiSq	
4.3784	1	0.0364	

	Simple Kappa Coefficient			
Estimate	Standard Error	95% Confidence Limits		
0.2441	0.0682	0.1105	0.3777	

Sample Size = 195

