



```

name: <unnamed>
log: C:\Users\bergan\Documents\newmemo.smcl
log type: smcl
opened on: 2 Jun 2021, 10:00:46
    
```

```

1 . *memo
2 .
3 .
4 .
5 . *support1 is a 5-point scale for support for the water protections
6 .
7 . *posneg recodes the 5-pt scale 1= support, -1 oppose, 0 neither
8 .
9 . tab support1
    
```

support1	Freq.	Percent	Cum.
0	26	2.63	2.63
1	36	3.64	6.26
2	159	16.06	22.32
3	372	37.58	59.90
4	397	40.10	100.00
Total	990	100.00	

```

10 .
11 . tab posneg
    
```

posnegsuppo rt1	Freq.	Percent	Cum.
-1	62	6.26	6.26
0	159	16.06	22.32
1	769	77.68	100.00
Total	990	100.00	

```

12 .
13 .
14 .
15 . *lakeactivity=1 if at least one activity on the Great Lakes
16 .
17 . tab lakeactivity posneg, row col chi2
    
```

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

lakeactivity	posnegsupport1			Total
	-1	0	1	
0	6 12.77 9.68	7 14.89 4.40	34 72.34 4.42	47 100.00 4.75
1	56 5.94 90.32	152 16.12 95.60	735 77.94 95.58	943 100.00 95.25
Total	62 6.26 100.00	159 16.06 100.00	769 77.68 100.00	990 100.00 100.00

Pearson chi2(2) = 3.5550 Pr = 0.169

```

18 .
19 . *consider one of the lakes "your own": Huron, Ontario, Michigan, Erie, Super
    > ior, none
20 .
21 . tab ownlakes posneg, row col chi2
    
```

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Q13	posnegsupport1			Total
	-1	0	1	
1	1 1.96 1.61	2 3.92 1.26	48 94.12 6.24	51 100.00 5.15
2	1 3.13 1.61	2 6.25 1.26	29 90.63 3.77	32 100.00 3.23
3	13 4.30 20.97	39 12.91 24.53	250 82.78 32.51	302 100.00 30.51
4	13 7.26 20.97	31 17.32 19.50	135 75.42 17.56	179 100.00 18.08
5	10 6.85 16.13	16 10.96 10.06	120 82.19 15.60	146 100.00 14.75
6	24 8.57 38.71	69 24.64 43.40	187 66.79 24.32	280 100.00 28.28
Total	62 6.26 100.00	159 16.06 100.00	769 77.68 100.00	990 100.00 100.00

Pearson chi2(10) = 38.7051 Pr = 0.000

```

22 .
23 . *state=Great Lakes states IL, IN, MI, MN, NY, OH, PA, WI
24 .
25 . tab state posneg, row col chi2
    
```

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Q38	posnegsupport1			Total
	-1	0	1	
1	4	20	105	129
	3.10	15.50	81.40	100.00
	6.45	12.58	13.67	13.04
2	6	23	81	110
	5.45	20.91	73.64	100.00
	9.68	14.47	10.55	11.12
3	7	19	93	119
	5.88	15.97	78.15	100.00
	11.29	11.95	12.11	12.03
4	9	18	82	109
	8.26	16.51	75.23	100.00
	14.52	11.32	10.68	11.02
5	8	22	129	159
	5.03	13.84	81.13	100.00
	12.90	13.84	16.80	16.08
6	7	22	90	119
	5.88	18.49	75.63	100.00
	11.29	13.84	11.72	12.03
7	14	22	93	129
	10.85	17.05	72.09	100.00
	22.58	13.84	12.11	13.04
8	7	13	95	115
	6.09	11.30	82.61	100.00
	11.29	8.18	12.37	11.63
Total	62	159	768	989
	6.27	16.08	77.65	100.00
	100.00	100.00	100.00	100.00

Pearson chi2(14) = 13.6492 Pr = 0.476

26 .  
 27 . \*ownership=1 if R considers one of the Great Lakes her own  
 28 .  
 29 . tab ownership posneg, row col chi2

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

ownership	posnegsupport1			Total
	-1	0	1	
0	<b>24</b>	<b>69</b>	<b>187</b>	<b>280</b>
	<b>8.57</b>	<b>24.64</b>	<b>66.79</b>	<b>100.00</b>
	<b>38.71</b>	<b>43.40</b>	<b>24.32</b>	<b>28.28</b>
1	<b>38</b>	<b>90</b>	<b>582</b>	<b>710</b>
	<b>5.35</b>	<b>12.68</b>	<b>81.97</b>	<b>100.00</b>
	<b>61.29</b>	<b>56.60</b>	<b>75.68</b>	<b>71.72</b>
Total	<b>62</b>	<b>159</b>	<b>769</b>	<b>990</b>
	<b>6.26</b>	<b>16.06</b>	<b>77.68</b>	<b>100.00</b>
	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Pearson chi2(2) = **27.1901** Pr = **0.000**

30 .  
 31 . tab treat posneg, row col chi2

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

treat	posnegsupport1			Total
	-1	0	1	
control	<b>23</b>	<b>57</b>	<b>245</b>	<b>325</b>
	<b>7.08</b>	<b>17.54</b>	<b>75.38</b>	<b>100.00</b>
	<b>37.10</b>	<b>35.85</b>	<b>31.86</b>	<b>32.83</b>
expert	<b>21</b>	<b>44</b>	<b>275</b>	<b>340</b>
	<b>6.18</b>	<b>12.94</b>	<b>80.88</b>	<b>100.00</b>
	<b>33.87</b>	<b>27.67</b>	<b>35.76</b>	<b>34.34</b>
public	<b>18</b>	<b>58</b>	<b>249</b>	<b>325</b>
	<b>5.54</b>	<b>17.85</b>	<b>76.62</b>	<b>100.00</b>
	<b>29.03</b>	<b>36.48</b>	<b>32.38</b>	<b>32.83</b>
Total	<b>62</b>	<b>159</b>	<b>769</b>	<b>990</b>
	<b>6.26</b>	<b>16.06</b>	<b>77.68</b>	<b>100.00</b>
	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Pearson chi2(4) = **4.4841** Pr = **0.344**

32 .  
 33 . tab r3 posneg, row col chi2

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

r3	posnegsupport1			Total
	-1	0	1	
democrat	<b>9</b>	<b>57</b>	<b>408</b>	<b>474</b>
	<b>1.90</b>	<b>12.03</b>	<b>86.08</b>	<b>100.00</b>
	<b>14.52</b>	<b>36.08</b>	<b>53.13</b>	<b>47.98</b>
pure independent	<b>11</b>	<b>32</b>	<b>92</b>	<b>135</b>
	<b>8.15</b>	<b>23.70</b>	<b>68.15</b>	<b>100.00</b>
	<b>17.74</b>	<b>20.25</b>	<b>11.98</b>	<b>13.66</b>
republican	<b>42</b>	<b>69</b>	<b>268</b>	<b>379</b>
	<b>11.08</b>	<b>18.21</b>	<b>70.71</b>	<b>100.00</b>
	<b>67.74</b>	<b>43.67</b>	<b>34.90</b>	<b>38.36</b>
Total	<b>62</b>	<b>158</b>	<b>768</b>	<b>988</b>
	<b>6.28</b>	<b>15.99</b>	<b>77.73</b>	<b>100.00</b>
	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Pearson chi2(4) = **48.2641** Pr = **0.000**

34 .  
 35 . tab votechoice posneg, row col chi2

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

votechoice 2020	posnegsupport1			Total
	-1	0	1	
biden	<b>8</b>	<b>53</b>	<b>435</b>	<b>496</b>
	<b>1.61</b>	<b>10.69</b>	<b>87.70</b>	<b>100.00</b>
	<b>14.81</b>	<b>39.85</b>	<b>62.50</b>	<b>56.17</b>
other	<b>1</b>	<b>3</b>	<b>22</b>	<b>26</b>
	<b>3.85</b>	<b>11.54</b>	<b>84.62</b>	<b>100.00</b>
	<b>1.85</b>	<b>2.26</b>	<b>3.16</b>	<b>2.94</b>
trump	<b>45</b>	<b>77</b>	<b>239</b>	<b>361</b>
	<b>12.47</b>	<b>21.33</b>	<b>66.20</b>	<b>100.00</b>
	<b>83.33</b>	<b>57.89</b>	<b>34.34</b>	<b>40.88</b>
Total	<b>54</b>	<b>133</b>	<b>696</b>	<b>883</b>
	<b>6.12</b>	<b>15.06</b>	<b>78.82</b>	<b>100.00</b>
	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Pearson chi2(4) = **68.7630** Pr = **0.000**

36 .  
 37 .  
 38 .  
 39 . tab lakeactivity support1, row col chi2

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

lakeactivity	support1				Total
	0	1	2	3	
0	<b>2</b>	<b>4</b>	<b>7</b>	<b>20</b>	<b>47</b>
	<b>4.26</b>	<b>8.51</b>	<b>14.89</b>	<b>42.55</b>	<b>100.00</b>
	<b>7.69</b>	<b>11.11</b>	<b>4.40</b>	<b>5.38</b>	<b>4.75</b>
1	<b>24</b>	<b>32</b>	<b>152</b>	<b>352</b>	<b>943</b>
	<b>2.55</b>	<b>3.39</b>	<b>16.12</b>	<b>37.33</b>	<b>100.00</b>
	<b>92.31</b>	<b>88.89</b>	<b>95.60</b>	<b>94.62</b>	<b>95.25</b>
Total	<b>26</b>	<b>36</b>	<b>159</b>	<b>372</b>	<b>990</b>
	<b>2.63</b>	<b>3.64</b>	<b>16.06</b>	<b>37.58</b>	<b>100.00</b>
	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

lakeactivity	support1	Total
	4	
0	<b>14</b>	<b>47</b>
	<b>29.79</b>	<b>100.00</b>
	<b>3.53</b>	<b>4.75</b>
1	<b>383</b>	<b>943</b>
	<b>40.62</b>	<b>100.00</b>
	<b>96.47</b>	<b>95.25</b>
Total	<b>397</b>	<b>990</b>
	<b>40.10</b>	<b>100.00</b>
	<b>100.00</b>	<b>100.00</b>

Pearson chi2(4) = **5.3985** Pr = **0.249**

40 .  
 41 . tab ownlakes support1, row col chi2

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Q13	0	support1 1	2	3	Total
1	1 1.96 3.85	0 0.00 0.00	2 3.92 1.26	17 33.33 4.57	51 100.00 5.15
2	0 0.00 0.00	1 3.13 2.78	2 6.25 1.26	14 43.75 3.76	32 100.00 3.23
3	5 1.66 19.23	8 2.65 22.22	39 12.91 24.53	129 42.72 34.68	302 100.00 30.51
4	7 3.91 26.92	6 3.35 16.67	31 17.32 19.50	64 35.75 17.20	179 100.00 18.08
5	3 2.05 11.54	7 4.79 19.44	16 10.96 10.06	49 33.56 13.17	146 100.00 14.75
6	10 3.57 38.46	14 5.00 38.89	69 24.64 43.40	99 35.36 26.61	280 100.00 28.28
Total	26 2.63 100.00	36 3.64 100.00	159 16.06 100.00	372 37.58 100.00	990 100.00 100.00

Q13	support1 4	Total
1	31 60.78 7.81	51 100.00 5.15
2	15 46.88 3.78	32 100.00 3.23
3	121 40.07 30.48	302 100.00 30.51
4	71 39.66 17.88	179 100.00 18.08
5	71 48.63 17.88	146 100.00 14.75
6	88 31.43 22.17	280 100.00 28.28
Total	397 40.10 100.00	990 100.00 100.00

Pearson chi2(20) = 50.3659 Pr = 0.000

42 .  
 43 . tab state support1, row col chi2

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Q38	support1				Total
	0	1	2	3	
1	2	2	20	62	129
	1.55	1.55	15.50	48.06	100.00
	7.69	5.56	12.58	16.67	13.04
2	2	4	23	36	110
	1.82	3.64	20.91	32.73	100.00
	7.69	11.11	14.47	9.68	11.12
3	4	3	19	41	119
	3.36	2.52	15.97	34.45	100.00
	15.38	8.33	11.95	11.02	12.03
4	4	5	18	38	109
	3.67	4.59	16.51	34.86	100.00
	15.38	13.89	11.32	10.22	11.02
5	4	4	22	57	159
	2.52	2.52	13.84	35.85	100.00
	15.38	11.11	13.84	15.32	16.08
6	1	6	22	36	119
	0.84	5.04	18.49	30.25	100.00
	3.85	16.67	13.84	9.68	12.03
7	8	6	22	49	129
	6.20	4.65	17.05	37.98	100.00
	30.77	16.67	13.84	13.17	13.04
8	1	6	13	53	115
	0.87	5.22	11.30	46.09	100.00
	3.85	16.67	8.18	14.25	11.63
Total	26	36	159	372	989
	2.63	3.64	16.08	37.61	100.00
	100.00	100.00	100.00	100.00	100.00

Q38	support1	Total
	4	
1	43	129
	33.33	100.00
	10.86	13.04
2	45	110
	40.91	100.00
	11.36	11.12
3	52	119
	43.70	100.00
	13.13	12.03



4	<b>44</b> 40.37 11.11	<b>109</b> 100.00 11.02
5	<b>72</b> 45.28 18.18	<b>159</b> 100.00 16.08
6	<b>54</b> 45.38 13.64	<b>119</b> 100.00 12.03
7	<b>44</b> 34.11 11.11	<b>129</b> 100.00 13.04
8	<b>42</b> 36.52 10.61	<b>115</b> 100.00 11.63
Total	<b>396</b> 40.04 100.00	<b>989</b> 100.00 100.00

Pearson chi2(28) = **33.7710** Pr = **0.209**

44 .  
45 . tab ownership support1, row col chi2

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

ownership	support1				Total
	0	1	2	3	
0	<b>10</b> 3.57 38.46	<b>14</b> 5.00 38.89	<b>69</b> 24.64 43.40	<b>99</b> 35.36 26.61	<b>280</b> 100.00 28.28
1	<b>16</b> 2.25 61.54	<b>22</b> 3.10 61.11	<b>90</b> 12.68 56.60	<b>273</b> 38.45 73.39	<b>710</b> 100.00 71.72
Total	<b>26</b> 2.63 100.00	<b>36</b> 3.64 100.00	<b>159</b> 16.06 100.00	<b>372</b> 37.58 100.00	<b>990</b> 100.00 100.00

ownership	support1 4	Total
0	88	280
	31.43	100.00
	22.17	28.28
1	309	710
	43.52	100.00
	77.83	71.72
Total	397	990
	40.10	100.00
	100.00	100.00

Pearson chi2(4) = 29.0635 Pr = 0.000

```
46 .
47 . tab treat support1, row col chi2
```

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

treat	support1				Total
	0	1	2	3	
control	12	11	57	123	325
	3.69	3.38	17.54	37.85	100.00
	46.15	30.56	35.85	33.06	32.83
expert	9	12	44	132	340
	2.65	3.53	12.94	38.82	100.00
	34.62	33.33	27.67	35.48	34.34
public	5	13	58	117	325
	1.54	4.00	17.85	36.00	100.00
	19.23	36.11	36.48	31.45	32.83
Total	26	36	159	372	990
	2.63	3.64	16.06	37.58	100.00
	100.00	100.00	100.00	100.00	100.00

treat	support1 4	Total
control	122	325
	37.54	100.00
	30.73	32.83
expert	143	340
	42.06	100.00
	36.02	34.34
public	132	325
	40.62	100.00
	33.25	32.83
Total	397	990
	40.10	100.00

| 100.00 | 100.00

Pearson chi2(8) = 7.4445 Pr = 0.490

48 .

49 . tab r3 support1, row col chi2

Key
<i>frequency</i>
<i>row percentage</i>
<i>column percentage</i>

r3	support1				Total
	0	1	2	3	
democrat	4 0.84 15.38	5 1.05 13.89	57 12.03 36.08	160 33.76 43.13	474 100.00 47.98
pure independent	4 2.96 15.38	7 5.19 19.44	32 23.70 20.25	55 40.74 14.82	135 100.00 13.66
republican	18 4.75 69.23	24 6.33 66.67	69 18.21 43.67	156 41.16 42.05	379 100.00 38.36
Total	26 2.63 100.00	36 3.64 100.00	158 15.99 100.00	371 37.55 100.00	988 100.00 100.00

r3	support1	Total
	4	
democrat	248 52.32 62.47	474 100.00 47.98
pure independent	37 27.41 9.32	135 100.00 13.66
republican	112 29.55 28.21	379 100.00 38.36
Total	397 40.18 100.00	988 100.00 100.00

Pearson chi2(8) = 77.2590 Pr = 0.000

50 . log close

name: <unnamed>  
log: C:\Users\bergan\Documents\newmemo.smcl  
log type: smcl  
closed on: 2 Jun 2021, 10:01:17