



4. Calculate A, B, C.

	A	B	C	D	E	F	G	H	I
1	Algonquin Park Wildlife Counts								
2	min	405	125	214					
3	q1	411.25	144	218					
4	median	421	158	226		A Event	B Event	C Event	
5	q3	429	169	233		Moose over	Deer over	Loon over	
6	max	435	180	243		429	169	226	
7	mean	420.33	157	226	counts				
8	Year	Moose	Deer	Loon		A?	B?	C?	A and
9	1995	435	125	234		TRUE	FALSE	TRUE	
10	1996	432	135	236					
11	1997	430	142	243					
12	1998	426	150	231					

In F9:  
=B9>\$F\$6

In G9:  
=C9>\$G\$6

In H9:  
=D9>\$H\$6

5. Calculate the next columns:

	A	B	C	D	E	F	G	H	I	J	K	L
1	Algonquin Park Wildlife Counts											
2	min	405	125	214								
3	q1	411.25	144	218								
4	median	421	158	226		A Event	B Event	C Event				
5	q3	429	169	233		Moose over	Deer over	Loon over				
6	max	435	180	243		429	169	226				
7	mean	420.33	157	226	counts							
8	Year	Moose	Deer	Loon		A?	B?	C?	A and B	B and C	A and C	A and B and C
9	1995	435	125	234		TRUE	FALSE	TRUE	FALSE	FALSE	TRUE	FALSE
10	1996	432	135	236								
11	1997	430	142	243								

In I9 (A and B)	In J9 (B and C)	In K9 (A and C)	In L9 (all three)
=AND(F9,G9)	=AND(G9,H9)	=AND(F9,H9)	=AND(F9,G9,H9)

6. Fill Down.

	A	B	C	D	E	F	G	H	I	J	K	L
1	Algonquin Park Wildlife Counts											
2	min	405	125	214								
3	q1	411.25	144	218								
4	median	421	158	226		A Event	B Event	C Event				
5	q3	429	169	233		Moose over	Deer over	Loon over				
6	max	435	180	243		429	169	226				
7	mean	420.33	157	226	counts							
8	Year	Moose	Deer	Loon		A?	B?	C?	A and B	B and C	A and C	A and B and C
9	1995	435	125	234		TRUE	FALSE	TRUE	FALSE	FALSE	TRUE	FALSE
10	1996	432	135	236		TRUE	FALSE	TRUE	FALSE	FALSE	TRUE	FALSE
11	1997	430	142	243		TRUE	FALSE	TRUE	FALSE	FALSE	TRUE	FALSE
12	1998	426	150	231		FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
13	1999	426	152	224		FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
14	2000	422	155	218		FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
15	2001	420	161	214		FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
16	2002	416	163	216		FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
17	2003	412	169	218		FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
18	2004	411	169	221		FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
19	2005	409	177	227		FALSE	TRUE	TRUE	FALSE	TRUE	FALSE	FALSE
20	2006	405	180	229		FALSE	TRUE	TRUE	FALSE	TRUE	FALSE	FALSE

Note: all of my A and B and C column was false. That's not going to make a good Venn Diagram. So...I went back and fiddled with my events.

A Event	B Event	C Event
Moose over	Deer under	Loon over
429	169	218

A?	B?	C?	A and B
TRUE	TRUE	TRUE	TRUE
TRUE	TRUE	TRUE	TRUE

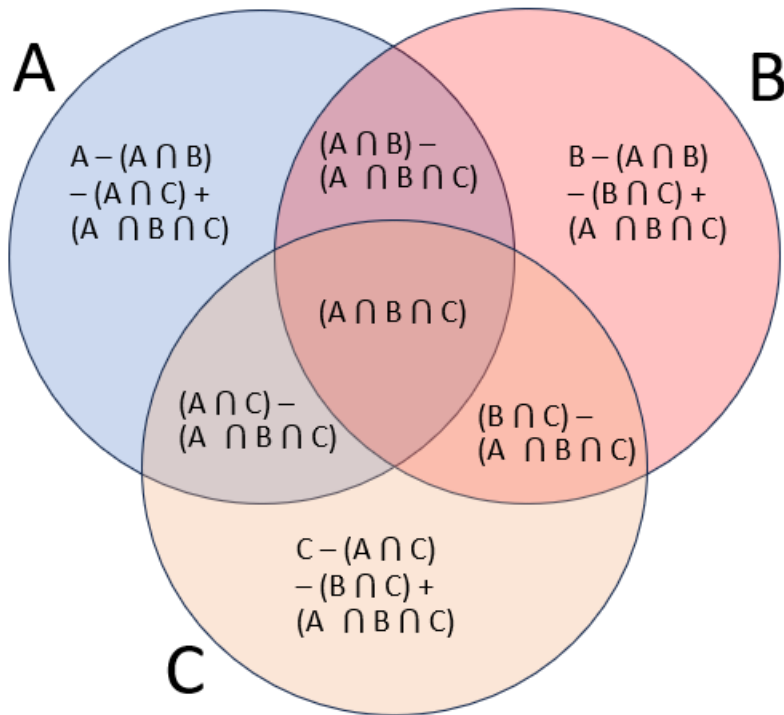
7. Use the countif formula to summarize your events.

	A	B	C	D	E	F	G	H	I	J	K	L
1	Algonquin Park Wildlife Counts											
2	min	405	125	214								
3	q1	411.25	144	218								
4	median	421	158	226		A Event	B Event	C Event				
5	q3	429	169	233		Moose over	Deer under	Loon over				
6	max	435	180	243		421	169	218				
7	mean	420.33	157	226	counts	6	8	8	6	5	5	5
8	Year	Moose	Deer	Loon		A?	B?	C?	A and B	B and C	A and C	A and B and C
9	1995	435	125	234		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
10	1996	432	135	236		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
11	1997	430	142	243		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
12	1998	426	150	231		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
13	1999	426	152	224		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
14	2000	422	155	218		TRUE	TRUE	FALSE	TRUE	FALSE	FALSE	FALSE
15	2001	420	161	214		FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
16	2002	416	163	216		FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
17	2003	412	169	218		FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
18	2004	411	169	221		FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
19	2005	409	177	227		FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
20	2006	405	180	229		FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE

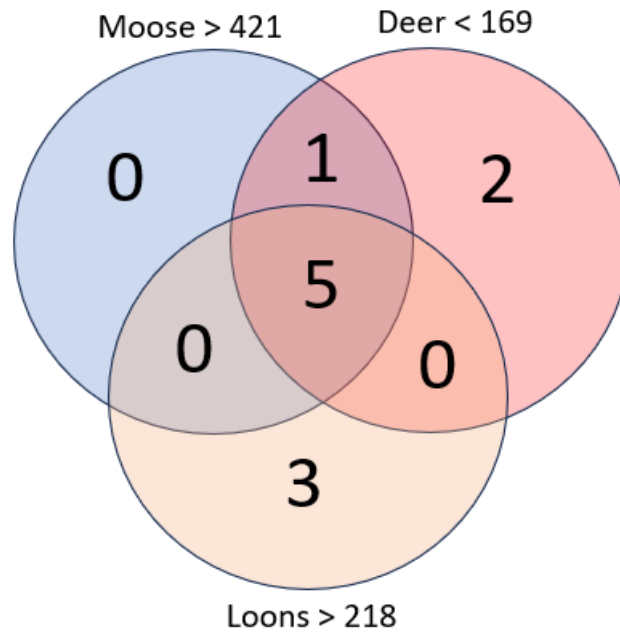
The formula in F6: =COUNTIF(F9:F20,TRUE)

Fill Right.

8. Use the numbers to build a 3 Bubble Venn Diagram on your PowerPoint.



My example would result in a Venn Diagram like this:



The completed Spreadsheet:

	A	B	C	D	E	F	G	H	I	J	K	L
1	Algonquin Park Wildlife Counts											
2	min	405	125	214								
3	q1	411.25	144	218								
4	median	421	158	226		A Event	B Event	C Event				
5	q3	429	169	233		Moose over	Deer under	Loon over				
6	max	435	180	243		421	169	218				
7	mean	420.33	157	226	counts	6	8	8	6	5	5	5
8	Year	Moose	Deer	Loon		A?	B?	C?	A and B	B and C	A and C	A and B and C
9	1995	435	125	234		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
10	1996	432	135	236		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
11	1997	430	142	243		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
12	1998	426	150	231		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
13	1999	426	152	224		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
14	2000	422	155	218		TRUE	TRUE	FALSE	TRUE	FALSE	FALSE	FALSE
15	2001	420	161	214		FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
16	2002	416	163	216		FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
17	2003	412	169	218		FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
18	2004	411	169	221		FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
19	2005	409	177	227		FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
20	2006	405	180	229		FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE