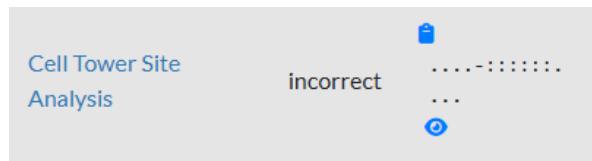


CELL TOWER SITE ANALYSIS WRITEUP

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Submission Hall of Fame:

Background: The description is subtle and hints at it, **but the cell towers were congested during this incident.** Congestion can be from many different things. It can be from a lot of people calling all at once, like during natural disasters, or huge events. There is also another way they can get congested, from too many ongoing calls. New calls get rejected; new calls don't go through ("network busy") etc. Take this spreadsheet, knowing both methods to congest a cell tower, and try to calculate which phone numbers may be identified with doing either. (May be more than two, but just pick two). Ideally, you would want a way to calculate columns of data. This is best done in Excel. Calculate whether or not there was too many calls (calls), or too many people on call (minutes).

The Answer: The cell tower was congested by too many ongoing calls. take the 3 columns, day mins, eve mins, night mins, and then make a new column combining the sum of all three. sort that column from largest to smallest

	A	b	c	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	Phone Number	Account Length	VMail Message	Day Mins	Day Calls	Day Charge	Eve Mins	Eve Calls	Eve Charge	Night Mins	Night Calls	Night Charge	Intl Mins	Intl Calls	Intl Charge	CustServ Call	Churn	Column 1	
2	777-8895	112	222.11	222	116.211	21111.2	202	26	111111.11	222	211.02	22.11	20	11.011	0	FALSE	132444.42		
3	777-8895	112	222.11	222	116.211	21111.2	202	26	111111.11	222	211.02	22.11	20	11.011	0	FALSE	132444.42		
4	777-7677	112	222.11	222	116.211	21111.2	202	26	111111.11	222	211.02	22.11	20	11.011	0	FALSE	132444.42		
5	777-7679	112	222.11	222	116.211	21111.2	202	26	111111.11	222	211.02	22.11	20	11.011	0	FALSE	132444.42		
		22	22	2116.2	2011	112.22	111111	116	211.211	2112.2	229	11.22	26.11	2	2.26	2	FALSE	115339.4	
7	765-5979	22	22	2116.2	2011	112.22	111111	116	211.211	2112.2	229	11.22	26.11	2	2.26	2	FALSE	115339.4	
8	789-7877	22	22	2116.2	2011	112.22	111111	116	211.211	2112.2	229	11.22	26.11	2	2.26	2	FALSE	115339.4	
9	789-7877	22	22	2116.2	2011	112.22	111111	116	211.211	2112.2	229	11.22	26.11	2	2.26	2	FALSE	115339.4	
0	766-5595	222	0	111111.11	22	112.02	222.11	209	211.06	2611	2112	22.911	22.2	11	11.211	2	TRUE	115944.22	
1	766-5595	222	0	111111.11	22	112.02	222.11	209	211.06	2611	2112	22.911	22.2	11	11.211	2	TRUE	115944.22	
2	797-7969	222	0	111111.11	22	112.02	222.11	209	211.06	2611	2112	22.911	22.2	11	11.211	2	TRUE	115944.22	
3	799-7969	222	0	111111.11	22	112.02	222.11	209	211.06	2611	2112	22.911	22.2	11	11.211	2	TRUE	115944.22	
4	778-7875	2119	0	2112.6	229	110.112	111111.2	2211	211.1111	229.11	62	6.22	11.11	6	2.22	2	FALSE	113452.91	
5	778-7875	2119	0	2112.6	229	110.112	111111.2	2211	211.1111	229.11	62	6.22	11.11	6	2.22	2	FALSE	113452.91	
6	799-9878	2119	0	2112.6	229	110.112	111111.2	2211	211.1111	229.11	62	6.22	11.11	6	2.22	2	FALSE	113452.91	
7	799-9878	2119	0	2112.6	229	110.112	111111.2	2211	211.1111	229.11	62	6.22	11.11	6	2.22	2	FALSE	113452.91	
8	779-6555	2112	0	211111.11	112	26.22	21111.2	92	22.112	21111.2	22	22.119	9.2	2	2.26	2	FALSE	63335.51	
9	779-6555	2119	0	211111.11	112	26.22	21111.2	92	22.112	21111.2	22	22.119	9.2	2	2.26	2	FALSE	63335.51	