

Open the excel datasheet and browse to the bottom of the list.

80330	9/9/2013 22:00	poise	Ia	us	circie	1200	20 minutes	Roise
80331	9/9/2013 22:00	napa	ca	us	other	1200	hour	Napa
80332	9/9/2013 22:20	vienna	va	us	circle	5	5 seconds	Saw a
80333	9/9/2013 23:00	edmond	ok	us	cigar	1020	17 minutes	2 witr
80334								
80335								

Subtract 1 for the table headers and you get your answers.

Dem Aliens 2 80 How many sightings took place outside of the United States?

For this one filter on the country codes and take off blanks and the us



Dem Aliens 3 100

How many sightings took place in the United States and were shaped like an oval?

Filter the Shape to Oval and Country US

sta	ate 💌	country	shape 🛂	duratio 🕶
nc		us	oval	30
al wa	a	us	oval	60
ca		us	oval	180
		'		
303	2 of 8033			

Dem Aliens 4 150

What is the average duration length in seconds? Round to the nearest whole number.

Go to the bottom of the sheet and do an auto sum (average on the duration(sec)

*	duration (seconds) -	dura
	300	5 mi
	900	15 n
	5	5 se
wn	1	split
е	180	3 mi
wn	120	2 mi
	4	~4 s
	8	5-8 9
wn	90	45-9
	3600	~1hr
I	60	
l	3	3 se
	15	15 s
е	60	1 mi
	120	2 mi
I	180	3 mi
,	20	20 s
	600	10 n
	1200	20 m
	1200	hou
	5	5 se
	1020	17 n
	9017.225634	-

Dem Aliens 5 80 What duration occurred most frequently in the dataset (in seconds)?

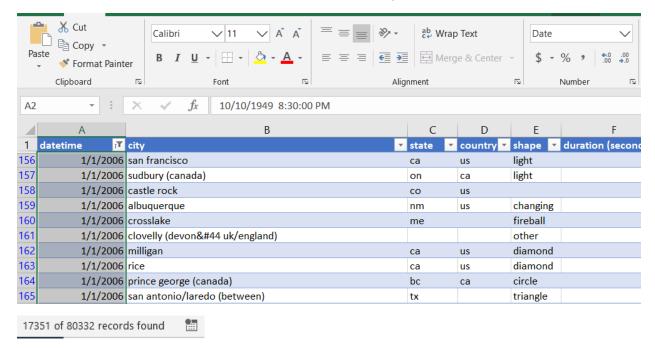
Use this formula to find the most common data point:

= INDEX(Table1[duration (seconds)], MODE(MATCH(Table1[duration (seconds)], Table1[duration (seconds)], O)))

×	f_x =INDEX(Table1[duration (seconds)],MODE(MATCH(Table1[duration (seconds)],Table1[duration (seconds)],0)))										
	С		D	Е		F	G	Н	1	J	K
~	state	▼ co	untry 💌	shape shape	T c	duration (seconds) 🔻	duration (hours/min) 💌	comments 💌	date posted 💌	latitude 💌	longitude
rcc	tx	us		cylinder		2700	45 minutes	This event too	4/27/2004	29.88306	-97.9411
d a	tx			light		7200	1-2 hrs	1949 Lackland	12/16/2005	29.38421	-98.5810
· (u	k/england	d) gb		circle		20	20 seconds	Green/Orange	1/21/2008	53.2	-2.9166
	tx	us		circle		20	1/2 hour	My older brot	1/17/2004	28.97833	-96.6458

Dem Aliens 6 50 How many sightings took place between 2006 and 2009?

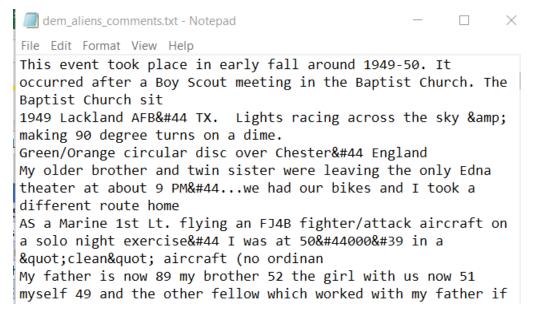
Make sure the datetime filed is in date format, then select the years 2006-2009



Dem Aliens 7 150

What was the 8th most frequently used word used for comments about the sighting?

Create a blank text file with all the comments only.



Using a linux vm, I will use the tr, sort, uniq commands to generate the top used words.

Cat dem_aliens_comments.txt | tr -s " " | tr " " \n" | sort | uniq -c | sort -nr | less

This will read the text file, compress any where with multiple spaces and then take that single space and create a new line for a dictionary.

Now with the dictionary we need to organize it with sort, then uniq the words with a count.

After that we will sort one more time by the count and reverse it, with a less to stop at the top.

```
35950 the
33257 in
31085 a
25455 and
20757 of
15943 to
15448 light
14925 i
14888 lights
13681 over
13026 object
12462 bright
12296 was
10426 sky
9878 with
9321 it
8629 moving
 7341 from
 7258 then
 7062 orange
6931 white
6848 my
 6577 saw
6084 red
 5988 very
 5742 shaped
5466 seen
5441 that
4726 flying
4655 ský
4530 like
4513 craft
4382 two
4231 for
 4175 ufo
 3822 large
3656 objects
3624 we
 3551 were
 3549 3
 3531 about
```

The correct answer was at line 15 for me; which was a possible parsing of the

comments.

Flag: sky

Dem Aliens 8 150 How many times did the word 'zig' occur in the comments?

Taking the same command as 7:

```
4 Zig-Zagging
4 Zig-Zagging
4 Zig-zags&#
5 ZiG
5 Zigzaged
6 Zig-zagged&#
6 Zig-zagging
7 Zig-zagg
1 Zig-zagged
13 Zig-zagged
13 Zig-zagged
14 Zig-zagged
16 Zig
30 Zigzagging
40 Zig-zagging
44 Zig-zag
48 Zig-zag
206 Zig
```

Adding up all the items with zig only adds up to 230

Dem Aliens 9 80 How many sightings were posted in the Summer season?

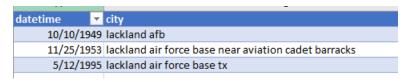
When the datetime **Posted** is setup up correctly we can select a filter to select the months on June, July and Aug. (I had to do each month separately. Date Filter -> All Dates in Period -> Select Month



5123 + 6574 + 9845 = 21542

Dem Aliens 10 50 How many sightings took place or near Lackland AFB?

Filter on the City, text search lackland and select all three lackland airforce base items.



Flag: 3