Twitter Trends

Activity Overview

A line chart clearly illustrates changes over time.

In this activity, you will use Excel to create two line charts that depict the activity related to Excellent Adventures' Twitter account. First, you will show the changes in the number of new Twitter followers in one month. Next, you will show the increases and decreases of retweets and mentions of Excellent Adventures' social media posts.

Excellent Adventures

New Skills
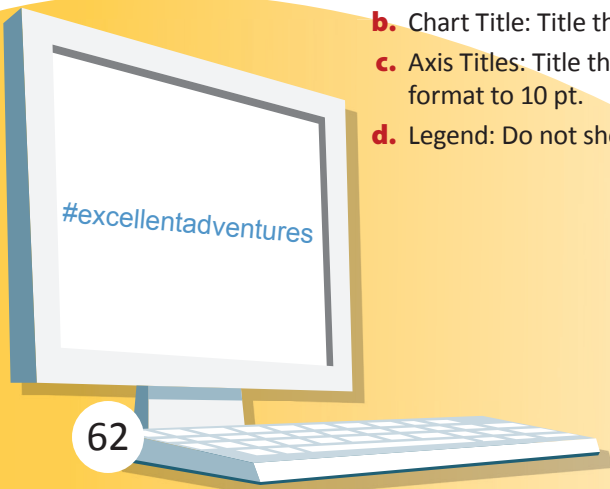
- Create and format line charts

16 Twitter Trends

Document Setup

Startup:	Create a New blank Microsoft Excel workbook.
File Name:	Save the workbook as Activity 16.
Font and Size:	Calibri, 11 pt. (unless otherwise noted)
Header:	Your Name - Activity # - Activity Title
Orientation:	Landscape
Column Width:	Resize columns to fit cell contents (unless otherwise noted).

Instructions

1. Key the data as shown in Data Worksheet 16.1.
2. Change the year in cell A2 to be current.
3. Select cell A1 through A2 and format to 20 pt.
4. Select cells A1 through F1 and merge and center align the text.
5. Select cells A2 through F2 and merge and center align the text.
6. Select cells A4 through F4 and center align, bold, and underline the text.
7. Select cells A5 through A6 and use the Auto Fill feature to fill the series of data (3 through 31) in cells A7 through A35.
8. To calculate the Total for the first trend (New Followers), enter the following formula in cell B36: =SUM(B5:B35)
9. Select cell B36 and use the Auto Fill feature to fill the formula for the remaining trends in cells C36 through F36.
10. To calculate the Average Per Month for the first trend (New Followers), enter the following formula in cell B37: =AVERAGE(B5:B35)
11. Select cell B37 and format as number with no decimal places.
12. Select cell B37 and use the Auto Fill feature to fill the formula for the remaining trends in cells C37 through F37.
13. Select cells B5 through B35 and create a line chart that displays the changes in the number of New Followers in the month of August. Format the chart as follows:
    a. Location: Place the chart on the same sheet as your data and position it so that it does not cover any data.
    b. Chart Title: Title the chart New Followers, center align it above the chart, and format to 18 pt.
    c. Axis Titles: Title the horizontal axis Days of the Month and the vertical axis Followers, and format to 10 pt.
    d. Legend: Do not show a legend.

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14. Select cells D4 through D35 and F4 through F35 and create a line chart that displays the changes in the number of Retweets and Mentions in the month of August. Format the chart as follows:

   a. Location: Place the chart on the same sheet as your data and position it so that it does not cover any data

   b. Chart Title: Title the chart Retweets & Mentions Per Day, center align it above the chart, and format to 16 pt.

   c. Axis Titles: Do not show axis titles.

   d. Legend: Place the legend to the right of the chart.

15. Carefully proofread your work for accuracy. Use Ctrl + ` to display and check formulas.

16. Set the Print Area to include all cells containing data in the spreadsheet.

17. Center the spreadsheet horizontally and vertically on the page.

18. Format the sheet to print with gridlines.

19. Print Preview and adjust the Page Setup so that the spreadsheet fits on one page.

20. Resave the file.

21. Print a copy of the spreadsheet if required by your instructor.

Data Worksheet 16.1

	A	B	C	D	E	F
1	Excellent Adventures					
2	Daily Twitter Trends - August 20XX					
3						
4	Day of the Month	New Followers	Tweets	Retweets	Favorite Tweets	Mentions
5	1	77	62	80	54	56
6	2	67	84	54	80	33
7		46	34	74	12	96
8		32	55	57	40	66
9		34	42	58	4	37
10		94	42	75	42	86
11		37	78	30	11	67
12		33	69	55	98	84
13		65	99	88	15	34
14		62	10	43	21	57
15		56	56	53	95	41
16		54	21	65	35	44
17		55	81	80	11	39
18		96	56	35	48	41
19		78	36	40	26	32
20		79	54	46	80	34
21		99	16	74	39	56
22		88	13	64	48	44
23		44	23	87	77	52
24		85	41	87	86	24
25		56	89	35	55	54
26		37	30	56	100	27
27		78	67	76	63	97
28		97	55	63	96	48
29		93	32	39	90	43
30		80	90	98	58	56
31		33	43	96	9	65
32		91	84	64	15	56
33		33	99	55	60	100
34		71	34	45	91	46
35		44	97	94	47	65
36	Total					
37	Average Per Month					

Excellent Adventures
Daily Twitter Trends - August 20XX

Day of the Month	New Followers	Tweets	Retweets	Favorite Tweets	Mentions
1	77	62	80	54	56
2	67	84	54	80	33
3	46	34	74	12	96
4	32	55	57	40	66
5	34	42	58	4	37
6	94	42	75	42	86
7	37	78	30	11	67
8	33	69	55	98	84
9	65	99	88	15	34
10	62	10	43	21	57
11	56	56	53	95	41
12	54	21	65	35	44
13	55	81	80	11	39
14	96	56	35	48	41
15	78	36	40	26	32
16	79	54	46	80	34
17	99	16	74	39	56
18	88	13	64	48	44
19	44	23	87	77	52
20	85	41	87	86	24
21	56	89	35	55	54
22	37	30	56	100	27
23	78	67	76	63	97
24	97	55	63	96	48
25	93	32	39	90	43
26	80	90	98	58	56
27	33	43	96	9	65
28	91	84	64	15	56
29	33	99	55	60	100
30	71	34	45	91	46
31	44	97	94	47	65
Total	1994	1692	1966	1606	1680
Average Per Month	64	55	63	52	54

Retweets & Mentions Per Day

New Followers