How to Calculate Daily and Annual Return of a Stock

Introduction

Thank you for your interest in learning how to calculate daily return and annual return. Before we begin, it is important to understand the formula for daily return, which is ((Close Stock Price Today-Close Stock Price Yesterday)/Close Stock Price Yesterday)*100. While annual return is the sum of daily return over the course of a year. These concepts are fundamental to understanding the financial growth of prospective companies and we are excited to take you through the process step by step. In order to complete the instruction set, you will need access to Yahoo Finance and Microsoft Excel. 1.Open your web browser and go to https://finance.yahoo.com

2.In the Yahoo Finance search bar, type a company's stock you want to evaluate

3. Once you have chosen a stock, select the "Historical Data" tab

- 4.Select the "Time Period" tab
- 5.From the "Time Period" tab select one year as the period
- 6.Hit the "Apply" button
- *Hitting "Apply" ensures the changes are made

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Oct 06,	2016	843.70	847.21	840.60	841.66	841.66	2,684,000	
Oct 05,	2016	838.00	845.67	836.12	844.36	844.36	3,469,100	
Oct 04,	2016	840.91	842.37	830.26	834.03	834.03	2,950,300	
Oct 03,	2016	836.00	839.86	831.25	836.74	836.74	2,769,400	
Sep 30.	2016	832.61	839.95	832.40	837.31	837.31	4,430,600	
Sep 29	2016	828.26	837.50	824.63	829.05	829.05	4.922.200	

7. Click the "Download Data" button which will download a .csv file

8. Go to your computer's downloads and open the .csv file

9. Upon opening the .csv file you will be able to see all of the companies' information for the previous year. Under the date column (column A), it is likely you will only be able to see the # symbol. In order to fix this issue, change the size of the cell by placing your cursor between columns "A" and "B" and drag the cursor to the right.

10. Save the file

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11. After you have saved the file, go to the top left cell (Column A)

12. Go to the "Insert Tab"

13. Hit "Insert Table"

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- 14. From here, we want to create two more columns
- 15. Right Click on Column G
- 16. Select "Insert"
- 17. Select "Table Column to the Right"
- 18. Repeat this process in Column H
- 19. Label Column H as "Daily Returns"
- 20. Label Column I as "Annual Returns"

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10	9/30/2	2016	832.609985	839.950012	832.400024	837.309998	4411600	837.309998				
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This section will explain the formula necessary to calculate daily returns

- 21. In Cell H2, type the equal sign
- 22. Then select Cell E2 (Close Price Today)
- 23. Type the subtraction sign into the formula
- 24. Select Cell E3 (Close Price Yesterday)
- 25. Then divide the entire formula by E3 (Close Price Yesterday)
- 26. Multiple the entire formula by 100
- 27. Your final formula should be: =((E2-E3)/E3)*100

28. Once you are confident with your formula, click the check mark above Column B. (This will then apply the formula to the entire H column).

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14	9/26/2	016	801.799988	805.929993	797.150024	/99.1599/3	2647300	/99.1599/3	n			
15	9/23/2	016	803.130005	807.75	802.119995	805.75	2347300	805.75				
10	9/22/2	016	794.27002	805.890015	794.27002	804.700012	4064100	804.700012				
10	9/21/2	016	783.25	790.690002	779.01001	789.73999	2702600	789.73999				
10	9/20/2	016	770 060071	781.309993	776	780.219971	1950600	780.219971				
20	9/19/2	016	779.969971	781.940002	771 650072	778 52002	5492900	778 52002				
20	9/10/2	016	762	770 8600022	757 580017	769 690002	3034000	769 690002	· · · · · · · · · · · · · · · · · · ·			
22	9/13/2	016	762 200012	767.5	758 849976	761.090027	2523000	761.090027				
23	9/13/2	016	768 77002	769 890015	759 049988	761.01001	3106900	761.01001				
24	9/12/2	016	757.349976	772.659973	756	771,48999	3101400	771,48999				
25	9/9/2	016	779.359985	781	760,109985	760,140015	4204700	760,140015				
26	9/8/2	016	783.890015	786.5	781.440002	784.059998	2026400	784.059998				
27	9/7/2	016	789.530029	790.789978	784.330017	784,47998	2422000	784,47998				
28	9/6/2	016	774.039978	789.47998	770.219971	788.869995	3711700	788.869995				
29	9/2/2	016	774.109985	776	771.700012	772.440002	2157400	772.440002				
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This section is dedicated to calculating the Annual Daily Return using Excel formulas

29. In Cell I2, start by typing the equal sign

30. Type "SUM" in Cell I2

31. Type "H\$2" in Cell I2

32. Type "(H2) in Cell I2

33. Proceed to click the check mark above Column B. (This will then apply the formula to the Entire I column).

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EX.	ACT •	:	× 🗸 j	x =SUM(H\$2	2:H2)							
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2	10/12/2	016	834	837.669983	830.099976	834.090027	2370100	834.090027	0.371844404	=SUM(H\$2:H2)		
3	10/11/2	016	841.02002	841.289978	828.349976	831	3578100	831	-1.272412318			
4	10/10/2	016	843.25	845.200012	840.27002	841.710022	1818000	841.710022	0.271616337			
5	10/7/2	016	845.789978	845.950012	837.450012	839.429993	2416500	839.429993	-0.264950226			
6	10/6/2	016	843.700012	847.210022	840.599976	841.659973	2679200	841.659973	-0.319770246			
/	10/5/2	016	838	845.669983	836.119995	844.359985	3450000	844.359985	1.238559241			
8	10/4/2	016	840.909973	842.369995	830.26001	834.030029	2945000	834.030029	-0.323871338			
9	10/3/2	016	836	839.859985	831.25	836.73999	2757800	836.73999	-0.068076101			
10	9/30/2	016	832.609985	839.950012	832.400024	837.309998	4411600	837.309998	0.996322311			
11	9/29/20	016	828.26001	837.5	824.630005	829.049988	4882900	829.049988	0.039822499			
12	9/28/20	016	818	830.140015	817.030029	828./199/1	4416100	828./199/1	1.54513316			
13	9/2//2	016	801.849976	816.640015	801.109985	816.109985	3811900	816.109985	2.120978599			
14	9/26/20	016	801.799988	805.929993	/9/.150024	/99.1599/3	2647300	/99.1599/3	-0.81/8/4899			
15	9/23/2	016	803.130005	807.75	802.119995	805.75	2347300	805.75	0.130481917			
10	9/22/20	016	794.27002	805.890015	794.27002	804.700012	4064100	804.700012	1.894297134			
1/	9/21/2	010	/83.25	790.690002	779.01001	789.73999	2702600	789.73999	1.2201/1151			
18	9/20/20	016	//6	781.369995	//6	/80.2199/1	1930600	/80.2199/1	0.660559303			
19	9/19/2	010	779.909971	781.940002	7/1	775.099976	2292500	775.099976	-0.439300/13			
20	9/10/20	010	773.280029	780.460022	7/1.659973	7/8.52002	5482800	778.52002	1.14/21/448			
21	9/15/2	010	702	770.8699995	757.580017	769.690002	3034000	769.690002	1.129955024			
22	9/14/2	010	762.200012	767.5	758.849976	761.090027	2523000	761.090027	0.010514579			
23	9/13/2	016	768.77002	769.890015	759.049988	701.01001	3105900	761.01001	-1.358407774			
24	9/12/2	016	737.349970	772.039973	750 100085	771.46999	4204700	771.46999	2.050784760			
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27	9/1/2	016	769.350029	790.789978	770 210071	704.47990	2422000	799 960005	-0.330494105			
20	9/0/2	016	774.059976	769.47996	771 700012	788.809993	3711700	788.809993	0.226174281			
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This section will explain how to graph the data, which will provide a quality visualization of the results.

34. Select the entire I2 Column

35.Click the "Insert" tab

36.Go to the graph icon and select the top left option

37.Excel will then graph the return over the course of the year, providing a nice visualization of the data.

6	<b>5</b> -&-							AmazonInc - Excel		
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4	10/10/2016	843.2	5 845,200012	840.27002	841,710022	1818000	841,710022	months, and days) or categories.		
5	10/7/2016	845.789978	8 845.950012	837.450012	839.429993	2416500	839.429993	Use it when:		
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7	10/5/2016	838	8 845.669983	836.119995	844.359985	3450000	844.359985	important.		
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27	9/7/2016	789.530029	9 /90./899/8	/84.33001/	784.47998	2422000	/84.4/998	-0.5564941 5.745136947		
28	9/6/2016	774.039978	8 789.47998	770.219971	788.869995	3/11/00	788.869995	2.12/025136 7.8/2162082		
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30	9/1/2016	770.900024	4 772.039978	700.75	770.619995	1/85800	770.619995	0.10962033 8.298156793		
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The following visual illustrates the chart in relation to the data. Graphing the data is a valuable tool in order to interpret the results. This concludes the instruction set on calculating daily return and annual return on Yahoo Finance and Microsoft Excel.

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5	10/7/2016	845.789978	845.950012	837.450012	839.429993	2416500	839.429993	-0.26495023	-0.8939018	60 -										1	
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7	10/5/2016	838	845.669983	836.119995	844.359985	3450000	844.359985	1.238559241	0.024887193	50							1			Y	-
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24	9/12/2016	757.349976	772.659973	756	771.48999	3101400	771.48999	1.493142681	9.405952175												
25	9/9/2016	779.359985	781	760.109985	760.140015	4204700	760.140015	-3.05078477	6.355167406												
26	9/8/2016	783.890015	786.5	781.440002	784.059998	2026400	784.059998	-0.05353636	6.301631049												
27	9/7/2016	789.530029	790.789978	784.330017	784.47998	2422000	784.47998	-0.5564941	5.745136947												
28	9/6/2016	774.039978	789.47998	770.219971	788.869995	3711700	788.869995	2.127025136	7.872162082												
29	9/2/2016	774.109985	776	771.700012	772.440002	2157400	772.440002	0.236174381	8.108336463												
30	9/1/2016	770.900024	772.039978	766.75	770.619995	1785800	770.619995	0.18982033	8.298156793												
31	8/31/2016	766.599976	769.640015	764	769.159973	1627500	769.159973	0.205836	8.503992792												
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