

DATA ANALYTICS WITH R, EXCEL AND TABLAEU

ASSIGNMENT R integration with Spark 23.1

ANSWERS

By ASHISH S SHANBHAG

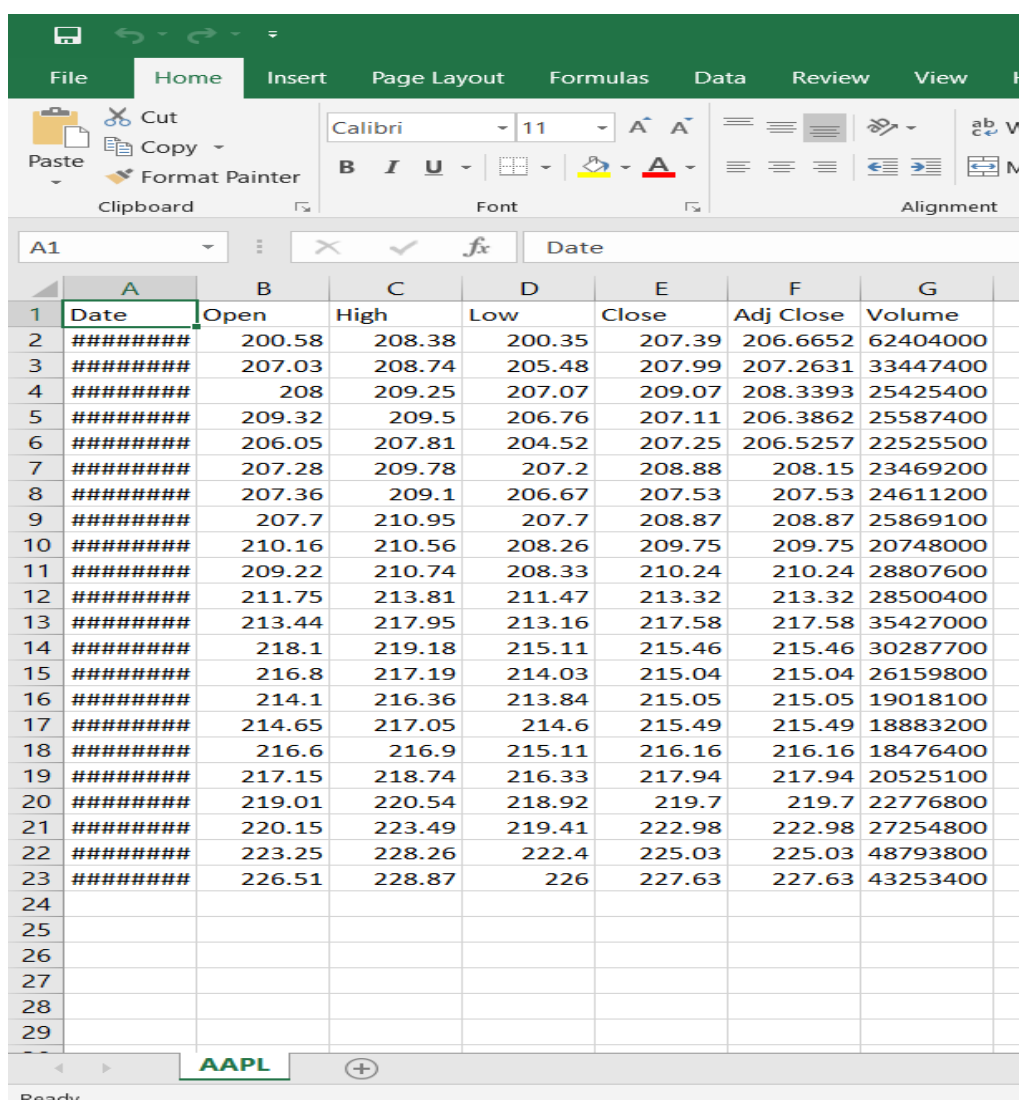
ashishshanbhag108@gmail.com

5. Problem Statement

1. Perform the below given activities:

a. Take Apple Stock Prices from Yahoo Finance for last 90 days

Ans



	A	B	C	D	E	F	G
1	Date	Open	High	Low	Close	Adj Close	Volume
2	#####	200.58	208.38	200.35	207.39	206.6652	62404000
3	#####	207.03	208.74	205.48	207.99	207.2631	33447400
4	#####	208	209.25	207.07	209.07	208.3393	25425400
5	#####	209.32	209.5	206.76	207.11	206.3862	25587400
6	#####	206.05	207.81	204.52	207.25	206.5257	22525500
7	#####	207.28	209.78	207.2	208.88	208.15	23469200
8	#####	207.36	209.1	206.67	207.53	207.53	24611200
9	#####	207.7	210.95	207.7	208.87	208.87	25869100
10	#####	210.16	210.56	208.26	209.75	209.75	20748000
11	#####	209.22	210.74	208.33	210.24	210.24	28807600
12	#####	211.75	213.81	211.47	213.32	213.32	28500400
13	#####	213.44	217.95	213.16	217.58	217.58	35427000
14	#####	218.1	219.18	215.11	215.46	215.46	30287700
15	#####	216.8	217.19	214.03	215.04	215.04	26159800
16	#####	214.1	216.36	213.84	215.05	215.05	19018100
17	#####	214.65	217.05	214.6	215.49	215.49	18883200
18	#####	216.6	216.9	215.11	216.16	216.16	18476400
19	#####	217.15	218.74	216.33	217.94	217.94	20525100
20	#####	219.01	220.54	218.92	219.7	219.7	22776800
21	#####	220.15	223.49	219.41	222.98	222.98	27254800
22	#####	223.25	228.26	222.4	225.03	225.03	48793800
23	#####	226.51	228.87	226	227.63	227.63	43253400
24							
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b. Predict the Stock closing prices for next 15 days.

Ans

EPS Revisions	Current Qtr. (Sep 2018)	Next Qtr. (Dec 2018)	Current Year (2018)	Next Year (2019)
Up Last 7 Days	N/A	N/A	N/A	N/A
Up Last 30 Days	2	2	3	4
Down Last 7 Days	N/A	N/A	N/A	N/A
Down Last 30 Days	N/A	N/A	N/A	N/A

Growth Estimates	AAPL	Industry	Sector	S&P 500
Current Qtr.	33.30%	N/A	N/A	0.47
Next Qtr.	25.20%	N/A	N/A	0.46
Current Year	27.60%	N/A	N/A	0.22
Next Year	15.40%	N/A	N/A	0.10
Next 5 Years (per annum)	13.03%	N/A	N/A	0.11
Past 5 Years (per annum)	13.49%	N/A	N/A	N/A

c. Submit your accuracy

Ans Apple Inc. designs, manufactures, and markets mobile communication and media devices, and personal computers to consumers, and small and mid-sized businesses; and education, enterprise, and government customers worldwide. The company also sells related software, services, accessories, networking solutions, and third-party digital content and applications. It offers iPhone, a line of smartphones; iPad, a line of multi-purpose tablets; and Mac, a line of desktop and portable personal computers, as well as operating systems comprising iOS, macOS, watchOS, and tvOS. The company also provides iWork, an integrated productivity suite that helps users create, present, and publish documents, presentations, and spreadsheets; and other application software, such as Final Cut Pro, Logic Pro X, and FileMaker Pro. In addition, it offers Apple TV that connects to consumers' TV and enables them to access digital content directly for streaming high definition video, playing music and games, and viewing photos; Apple Watch, a personal electronic device; and iPod touch, a flash memory-based digital music and media player. Further, the company sells Apple-branded and third-party accessories, such as headphones, displays, storage devices, Beats products, and other connectivity and computing products and supplies. Additionally, it offers iCloud, a cloud service that stores music, photos, contacts, calendars, mail, documents, and others; AppleCare, which offers support options for its customers; and Apple Pay, a cashless payment service. The company sells and delivers digital content and applications through the iTunes Store, App Store, Mac App Store, TV App Store, iBooks Store, and Apple Music. It also sells its products through its retail and online stores, and

direct sales force, as well as through third-party cellular network carriers, wholesalers, retailers, and value-added resellers. Apple Inc. was founded in 1977 and is headquartered in Cupertino, California.