

Week 1. Mini quiz

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Q1. What is the story behind the data plots of Amazon, Tesla, American Airlines stock prices in the last 6 months?

Market Summary > Amazon.com, Inc.

NASDAQ: AMZN

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3,205.06 USD +42.81 (1.35%) ↑

13 Aug, 12:32 GMT-4 · Disclaimer

1 day

5 days

1 month

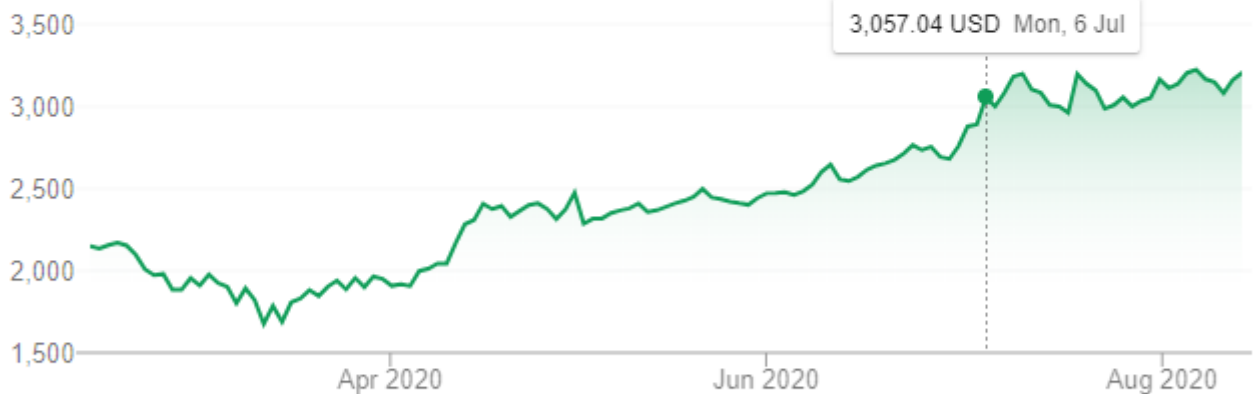
6 months

YTD

1 year

5 years

Max



Open	3,182.99	Div yield	-
High	3,217.52	Prev close	3,162.24
Low	3,177.19	52-wk high	3,344.29
Mkt cap	1.61T	52-wk low	1,626.03
P/E ratio	123.18		

<https://www.google.com/search?q=amazon+share+price&oq=amazo&aqs=chrome.2.69i60j69i57j35i39l2j0j69i60l3.11743j1j7&sourceid=chrome&ie=UTF-8>

Market Summary > Tesla Inc

NASDAQ: TSLA

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1,642.33 USD +87.57 (5.63%) ↑

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1 day

5 days

1 month

6 months

YTD

1 year

5 years

Max



Open	1,611.00	Div yield	-
High	1,651.18	Prev close	1,554.76
Low	1,567.26	52-wk high	1,794.99
Mkt cap	270.76B	52-wk low	211.00
P/E ratio	846.16		

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Max



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Q2. Are those three series of stock prices in Q1 stationary time series? How would you justify your answer?

Q3. Find a data plot of a non-stationary time series.

Q4. Find a data plot of a stationary time series.