

Web Scraping

Nasdaq.com

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The Main Goal

Our goal is to scrap and analyze stock prices and provide customers with the best investment recommendations



Market Activity →

Stocks

Options

ETFs

Mutual Funds

Indexes

Commodities

Cryptocurrency

Currencies

Futures

Fixed Income

Global Markets

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Earnings

IPO Calendar

Dividend Calendar

SPO Calendar

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Daily Earnings Schedule

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Commodities →

Increase

Table is sorted by % change in ascending order.
Data as of 4/11/2024

Current Fiscal Quarter

Next Fiscal Quarter

Current Fiscal Year

Next Fiscal Year

Symbol	Name	Market	Current	1 Week Ago	% Change ▲	Total	Up	Down
AGNC	AGNC Investment Corp.	NASDAQ -GS	0.56	0.55	1%	3	1	0
ALK	Alaska Air Group, Inc.	NYSE	-1.09	-1.1	1%	6	0	0
AMG	Affiliated Managers Group, Inc.	NYSE	5.21	5.15	1%	6	3	1
AMP	AMERIPRISE FINANCIAL SERVICES, LLC	NYSE	8.19	8.12	1%	3	3	0
AMPH	Amphastar Pharmaceuticals, Inc.	NASDAQ -GS	0.74	0.73	1%	10	1	0
AZO	AutoZone, Inc.	NYSE	35.72	35.5	1%	6	0	1
BCRX	BioCryst Pharmaceuticals, Inc.	NASDAQ -GS	-0.22	-0.23	1%	6	3	0
BLK	BlackRock, Inc.	NYSE	9.42	9.36	1%	4	1	0
BOH	Bank of Hawaii Corporation	NYSE	0.92	0.91	1%	4	0	0
CBRE	CBRE Group, Inc.	NYSE	0.69	0.68	1%	5	1	0

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Analyst Upgrades/Downgrades

Upgrades

DFIN

Donnelley Financial



EVO

Evotec SE



ECL

Ecolab



FBRT

Franklin BSP Realty Trust



GTLB

GitLab



Sell Under- Hold Out- Buy
Perform Perform

Downgrades

PKG

Packaging Corp



VFC

V.F. Corp



TIL

Instil Bio



CTVA

Corteva



TRTX

TPG RE Finance Trust



View More in
Analyst Activity

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Recommendations ->
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Daily Earnings
Surprise →

Forecast Changes →

We are looking to scrape the table above at different intervals to tailor the investment type and customer preferences.

Selenium library

We used it to scrap the stock table at different times and return the data of each period of time By using get_stock function which return a data frame
currentFiscalQ

For the customer interested in short-term investment, scrape the current fiscal quarter and save it as a data frame with the same columns as the original website table

df_currentFiscalQ

[4] ✓ 0.0s

Symbol	Name	Market	Current	1 Week Ago	% Change	Total	Up	Down
0 AGNC	AGNC Investment Corp.	NASDAQ -GS	0.56	0.55	1%	3	1	0
1 ALK	Alaska Air Group, Inc.	NYSE	-1.09	-1.1	1%	6	0	0
2 AMG	Affiliated Managers Group, Inc.	NYSE	5.21	5.15	1%	6	3	1
3 AMP	AMERIPRISE FINANCIAL SERVICES, LLC	NYSE	8.19	8.12	1%	6	3	0
4 AMPH	Amphastar Pharmaceuticals, Inc.	NASDAQ -GS	0.74	0.73	1%	3	1	0
...
153 IAG	Iamgold Corporation	NYSE	0	-0.03	87%	3	0	0
154 BYRN	Byrna Technologies, Inc.	NASDAQ -CM	0	-0.04	100%	2	1	0
155 SGML	Sigma Lithium Corporation	NASDAQ -CM	0	-0.03	117%	2	1	0
156 PED	Pedevco Corp.	AMEX	0.01	-0.01	200%	1	1	0
157 WULF	TeraWulf Inc.	NASDAQ -CM	0.05	0.01	350%	2	1	0

158 rows × 9 columns

Symbol	Name	Market	Current	1 Week Ago	% Change ▲	Total	Up	Down
AGNC	AGNC Investment Corp.	NASDAQ -GS	0.56	0.55	1%	3	1	0
ALK	Alaska Air Group, Inc.	NYSE	-1.09	-1.1	1%	6	0	0
AMG	Affiliated Managers Group, Inc.	NYSE	5.21	5.15	1%	6	3	1
AMP	AMERIPRISE FINANCIAL SERVICES, LLC	NYSE	8.19	8.12	1%	6	3	0
AMPH	Amphastar Pharmaceuticals, Inc.	NASDAQ -GS	0.74	0.73	1%	3	1	0
AZO	AutoZone, Inc.	NYSE	35.72	35.5	1%	10	1	0
BCRX	BioCryst Pharmaceuticals, Inc.	NASDAQ -GS	-0.22	-0.23	1%	6	0	0
BLK	BlackRock, Inc.	NYSE	9.42	9.36	1%	6	3	1
BOH	Bank of Hawaii Corporation	NYSE	0.92	0.91	1%	4	1	0
CBRE	CBRE Group, Inc.	NYSE	0.69	0.68	1%	5	0	0

< 1 2 3 4 5 6 7 ... 16 >

Next Fiscal Quarter nextFiscalQ

- Investing in the stock market next quarter? Get reliable recommendations to make informed choices, maximize returns, and minimize risks.

df_nextFiscalQ

0.0s

	Symbol	Name	Market	Current	1 Week Ago	% Change	Total	Up	Down
0	AIG	American International Group, Inc.	NYSE	1.79	1.78	1%	6	1	0
1	ALL	Allstate Corporation (The)	NYSE	1.66	1.65	1%	8	1	1
2	ALNY	Alnylam Pharmaceuticals, Inc.	NASDAQ -GS	-1.17	-1.18	1%	10	1	0
3	AMP	AMERIPRISE FINANCIAL SERVICES, LLC	NYSE	8.49	8.41	1%	6	3	0
4	ARI	Apollo Commercial Real Estate Finance	NYSE	0.35	0.34	1%	2	1	0
...
150	GLPG	Galapagos NV	NASDAQ -GS	-0.07	-0.39	82%	1	1	0
151	SHIP	Seanergy Maritime Holdings Corp.	NASDAQ -CM	0.36	0.19	95%	2	1	0
152	PED	Pedevco Corp.	AMEX	0	-0.01	100%	1	1	0
153	WULF	TeraWulf Inc.	NASDAQ -CM	0.02	-0.02	200%	2	0	0
154	SGML	Sigma Lithium Corporation	NASDAQ -CM	0.04	0.01	300%	1	1	0

155 rows × 9 columns

Current Fiscal Quarter Next Fiscal Quarter Current Fiscal Year Next Fiscal Year

Symbol	Name	Market	Current	1 Week Ago	% Change ▲	Total	Up	Down
AIG	American International Group, Inc.	NYSE	1.79	1.78	1%	6	1	0
ALL	Allstate Corporation (The)	NYSE	1.66	1.65	1%	8	1	1
ALNY	Alnylam Pharmaceuticals, Inc.	NASDAQ -GS	-1.17	-1.18	1%	10	1	0
AMP	AMERIPRISE FINANCIAL SERVICES, LLC	NYSE	8.49	8.41	1%	6	3	0
ARI	Apollo Commercial Real Estate Finance	NYSE	0.35	0.34	1%	2	1	0
ASB	Associated Banc-Corp	NYSE	0.53	0.52	1%	4	1	0
BEN	Franklin Resources, Inc.	NYSE	0.62	0.61	1%	5	2	0
BMY	Bristol-Myers Squibb Company	NYSE	1.78	1.75	1%	9	1	2
BXMT	Capital Trust, Inc.	NYSE	0.52	0.51	1%	2	1	0
CCL	Carnival Corporation	NYSE	1.1	1.08	1%	7	1	0

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Current Fiscal year currentFiscalY

- This particular data frame provides a comprehensive overview of the current fiscal year's stock market performance, specifically highlighting the value of those stocks that experienced an increase in value over the same period. The data presented in this frame can be used to analyze market trends and make informed investment decisions.

df_currentFiscalY

[10] ✓ 0.0s

	Symbol	Name	Market	Current	1 Week Ago	% Change	Total	Up	Down
0	ALL	Allstate Corporation (The)	NYSE	13.41	13.27	1%	11	3	1
1	AMK	AssetMark Financial Holdings, Inc.	NYSE	2.44	2.41	1%	4	2	0
2	AMP	AMERIPRISE FINANCIAL SERVICES, LLC	NYSE	34.61	34.36	1%	7	3	0
3	ARRY	Array Technologies, Inc.	NASDAQ -GM	1	0.99	1%	13	2	0
4	BIRD	Allbirds, Inc.	NASDAQ -GS	-0.72	-0.73	1%	5	0	0
...
155	ASIX	AdvanSix Inc.	NYSE	1.03	0.94	10%	3	1	0
156	BTG	B2Gold Corp	AMEX	0.22	0.2	10%	6	1	0
157	CATX	Perspective Therapeutics, Inc.	AMEX	-0.09	-0.1	10%	2	1	0
158	CUE	Cue Biopharma, Inc.	NASDAQ -CM	-1	-1.12	10%	4	2	1
159	HYPR	Hyperfine, Inc.	NASDAQ -GM	-0.53	-0.59	10%	2	1	0

160 rows × 9 columns

Current Fiscal Quarter	Next Fiscal Quarter	Current Fiscal Year	Next Fiscal Year					
Symbol	Name	Market	Current	1 Week Ago	% Change ▲	Total	Up	Down
ALL	Allstate Corporation (The)	NYSE	13.41	13.27	1%	11	3	1
AMK	AssetMark Financial Holdings, Inc.	NYSE	2.44	2.41	1%	4	2	0
AMP	AMERIPRISE FINANCIAL SERVICES, LLC	NYSE	34.61	34.36	1%	7	3	0
ARRY	Array Technologies, Inc.	NASDAQ -GM	1	0.99	1%	13	2	0
BIRD	Allbirds, Inc.	NASDAQ -GS	-0.72	-0.73	1%	5	0	0
BK	The Bank Of New York Mellon Corporation	NYSE	5.33	5.29	1%	8	3	0
BLK	BlackRock, Inc.	NYSE	41.32	40.71	1%	8	5	0
BOH	Bank of Hawaii Corporation	NYSE	3.72	3.7	1%	5	1	1
BXMT	Capital Trust, Inc.	NYSE	1.91	1.89	1%	2	1	0
C	Citigroup Inc.	NYSE	5.76	5.72	1%	5	1	0

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Next Fiscal year nextFiscalY

- For those interested in long-term investments, here's a forecast of stock values and profitability.

df_nextFiscalY

[12] ✓ 0.0s

Symbol	Name	Market	Current	1 Week Ago	% Change	Total	Up	Down
0 ACGL	Arch Capital Group Ltd.	NASDAQ -GS	8.73	8.64	1%	7	3	0
1 ACRV	Acrivon Therapeutics, Inc.	NASDAQ -GM	-3.36	-3.41	1%	5	1	0
2 ALC	Alcon Inc.	NYSE	3.47	3.45	1%	8	0	0
3 ALKS	Alkermes plc	NASDAQ -GS	2.09	2.06	1%	6	1	0
4 ALL	Allstate Corporation (The)	NYSE	16.72	16.59	1%	11	2	2
...
155 SCCO	Southern Copper Corporation	NYSE	4.74	4.42	7%	4	0	0
156 VERV	Verve Therapeutics, Inc.	NASDAQ -GS	-2.87	-3.08	7%	5	0	0
157 ABOS	Acumen Pharmaceuticals, Inc.	NASDAQ -GS	-1.47	-1.6	8%	3	0	0
158 BTG	B2Gold Corp	AMEX	0.41	0.38	8%	5	1	0
159 RGLD	Royal Gold, Inc.	NASDAQ -GS	5.55	5.13	8%	3	1	0

160 rows × 9 columns

Current Fiscal Quarter Next Fiscal Quarter Current Fiscal Year **Next Fiscal Year**

Symbol	Name	Market	Current	1 Week Ago	% Change ▲	Total	Up	Down
ACGL	Arch Capital Group Ltd.	NASDAQ -GS	8.73	8.64	1%	7	3	0
ACRV	Acrivon Therapeutics, Inc.	NASDAQ -GM	-3.36	-3.41	1%	5	1	0
ALC	Alcon Inc.	NYSE	3.47	3.45	1%	8	0	0
ALKS	Alkermes plc	NASDAQ -GS	2.09	2.06	1%	6	1	0
ALL	Allstate Corporation (The)	NYSE	16.72	16.59	1%	11	2	2
AMP	AMERIPRISE FINANCIAL SERVICES, LLC	NYSE	37.16	36.95	1%	6	3	0
APO	Apollo Global Management, Inc.	NYSE	8.75	8.68	1%	5	1	1
AQST	Aquestive Therapeutics, Inc.	NASDAQ -GM	-0.29	-0.3	1%	3	1	0
AROC	Archrock, Inc.	NYSE	1.16	1.15	1%	2	1	0
AS	Amer Sports, Inc.	NYSE	0.67	0.66	1%	5	1	0

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get_recommendation function

- Analysts suggest that the average price target for AGNC stock is \$10.1 with a high estimate of \$10.75 and a low estimate of \$9



```
get_recommendation('AGNC')
```

```
get_recommendation('AGNC')
...
'Based on analysts offering 12 month price targets for AGNC in the last 3 months. The average price target is $10.1 with a high estimate of $10.75 and a low estimate of $9. Sign in to your SmartPortfolio to see more analyst recommendations.'
```

Analyst

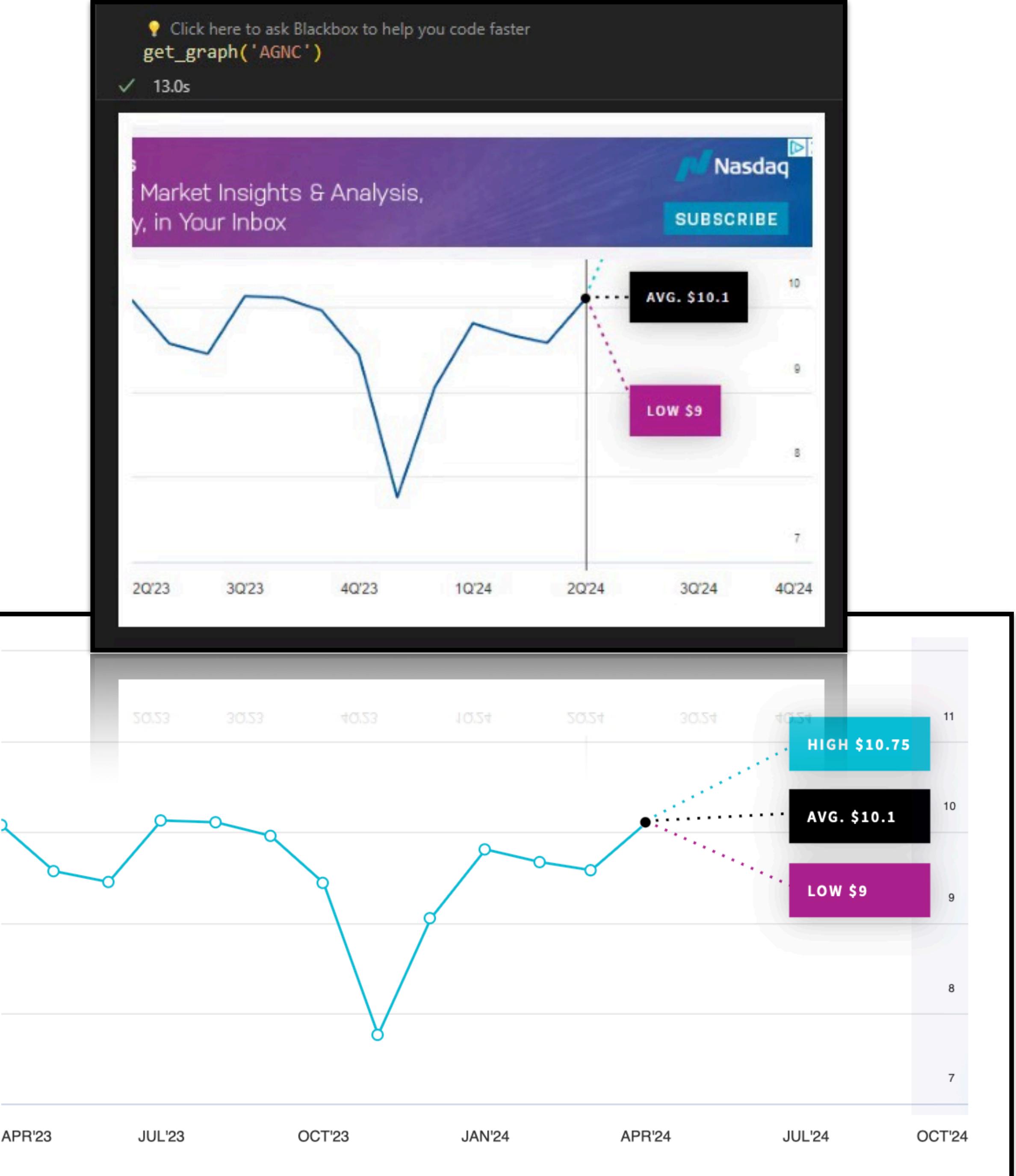
\$10.1

Based on **analysts** offering 12 month price targets for **AGNC** in the last 3 months.

The average price target is **\$10.1** with a high estimate of **\$10.75** and a low estimate of **\$9**. [Sign in to your SmartPortfolio to see more analyst recommendations.](#)

get_graph function

- This function scrapes a graph for each stock showing its historical changes throughout a fiscal period, including the average, lower, and higher estimated prices.



Beautiful Soup Library

We employed the tool to extract the historical records of every stock.

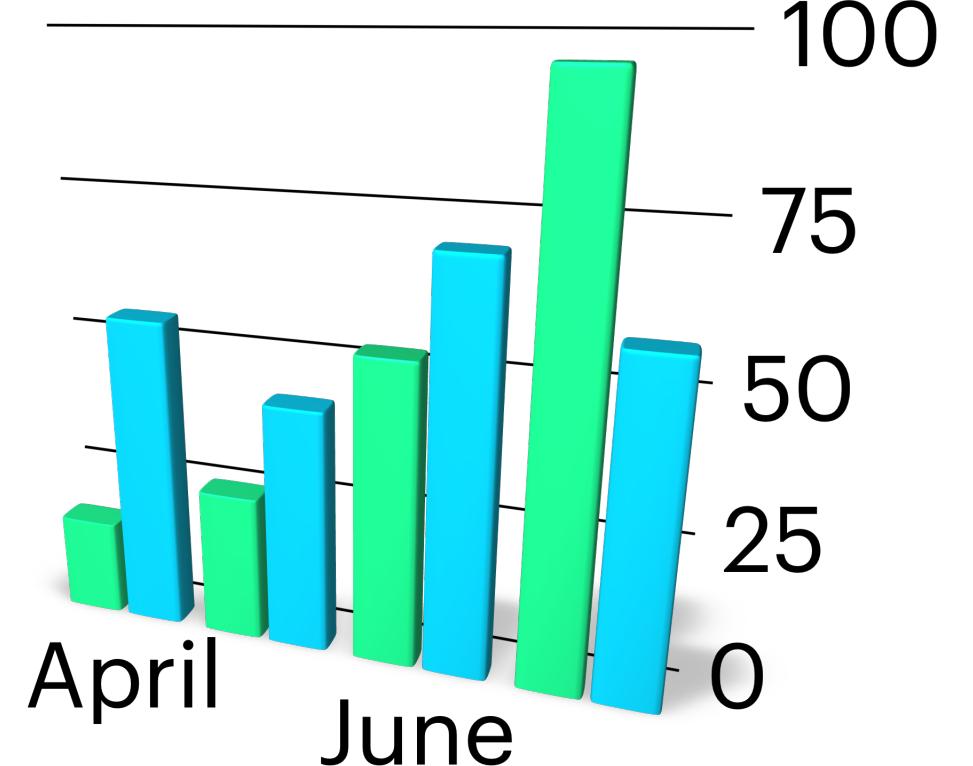
- This data will provide customers with a stock's historical information, allowing for better investment decisions.

```
get_data('AGNC')  
✓ 10.6s
```

Python

```
[56] get_data('AGNC')  
✓ 10.6s
```

	Ex/EFF Date	Type	Cash Amount	Declaration Date	Record Date	Payment Date
0	04/29/2024	Cash	\$0.12	04/10/2024	04/30/2024	05/09/2024
1	03/27/2024	Cash	\$0.12	03/13/2024	03/29/2024	04/09/2024
2	02/28/2024	Cash	\$0.12	02/08/2024	02/29/2024	03/11/2024
3	01/30/2024	Cash	\$0.12	01/10/2024	01/31/2024	02/09/2024
4	12/28/2023	Cash	\$0.12	12/13/2023	12/29/2023	01/10/2024
5	11/29/2023	Cash	\$0.12	11/08/2023	11/30/2023	12/11/2023
6	10/30/2023	Cash	\$0.12	10/11/2023	10/31/2023	11/09/2023
7	09/28/2023	Cash	\$0.12	09/13/2023	09/29/2023	10/11/2023
8	08/30/2023	Cash	\$0.12	08/09/2023	08/31/2023	09/12/2023
9	07/28/2023	Cash	\$0.12	07/12/2023	07/31/2023	08/09/2023
10	06/29/2023	Cash	\$0.12	06/12/2023	06/30/2023	07/12/2023
11	05/30/2023	Cash	\$0.12	05/10/2023	05/31/2023	06/09/2023
12	04/27/2023	Cash	\$0.12	04/12/2023	04/28/2023	05/09/2023
13	03/30/2023	Cash	\$0.12	03/10/2023	03/31/2023	04/11/2023
14	02/27/2023	Cash	\$0.12	02/08/2023	02/28/2023	03/09/2023
15	01/30/2023	Cash	\$0.12	01/11/2023	01/31/2023	02/09/2023
16	12/29/2022	Cash	\$0.12	12/09/2022	12/30/2022	01/11/2023
17	11/29/2022	Cash	\$0.12	11/10/2022	11/30/2022	12/09/2022
18	10/28/2022	Cash	\$0.12	10/10/2022	10/31/2022	11/09/2022
19	09/29/2022	Cash	\$0.12	09/14/2022	09/30/2022	10/12/2022
20	08/30/2022	Cash	\$0.12	08/11/2022	08/31/2022	09/12/2022
21	07/28/2022	Cash	\$0.12	07/11/2022	07/29/2022	08/09/2022
22	06/29/2022	Cash	\$0.12	06/09/2022	06/30/2022	07/12/2022
23	05/27/2022	Cash	\$0.12	05/12/2022	05/31/2022	06/09/2022



Time for Code

```
        .operator<= mirror_object)
        .operator<= mirror_to_mirror_object = mirror_ob
        .operator<= "MIRROR_X";
        .operator<= mirror_use_x = True
        .operator<= mirror_use_y = False
        .operator<= mirror_use_z = False
        .operator<= "MIRROR_Y";
        .operator<= mirror_use_x = False
        .operator<= mirror_use_y = True
        .operator<= mirror_use_z = False
        .operator<= "MIRROR_Z";
        .operator<= mirror_use_x = False
        .operator<= mirror_use_y = False
        .operator<= mirror_use_z = True

    #selection at the end - add back the deselection
    modifier_ob.select= 1
    mirror_ob.select=1
    context.scene.objects.active = modifier_ob
    print("selected" + str(modifier_ob)) # modifier ob selected
    mirror_ob.select = 0
    one = bpy.context.selected_objects[0]
    one.select = 1
    bpy.context.objects[one.name].select = 1
    print("please select exactly two objects, we will do the rest")

#----- OPERATOR CLASSES -----#
#----- MIRROR OPERATOR -----#
class MIRROR_OT_Mirror(bpy.types.Operator):
    """mirror to the selected object"""
    bl_idname = "object.mirror_mirror"
    bl_label = "Mirror X"
    bl_options = {'REGISTER', 'UNDO'}
```