

Forum: [Hack Forums](#)

Thread: [Developing Stock Trading AI?](#)

Obsoletionist - March 29, 2019, 8:25 pm

I've heard people say "the stock market is a tool to transfer money from the stupid to the smart.", that being the case would it be practical to use a test control group of stock trading simulation, to make AI learn to trade stocks, then let it loose in the wild? ?

The test groups, and tracking their metrics should give me practicality of "how well it fares"

morph - March 30, 2019, 2:37 am

An AI can in practically all cases can be better at a task than a human. So, if you have the time and the knowledge, go for it.

6577657534735 - March 30, 2019, 3:52 am

If you have to ask you can't do it. Don't even try, you will get cleaned.

lockhead - March 30, 2019, 5:21 am

Check out <https://www.quantopian.com/>

Here's a YT tutorial:

https://www.youtube.com/watch?v=GIV_QO5B2eU&list=PLQVvva0QuDcOdF96TBtRtuQksErCEBYZ&index=13

It's Python, not C though.

Also it doesn't use AI but if you don't have at least a basic understanding of trading, finance and AI, ML Neural Networks I highly doubt you'll be able to pull off anything profitable without dedicating years of your time

Obsoletionist - March 30, 2019, 6:49 am

(Mar 30, 2019 03:52 AM)Abraluna Wrote: [\[CITE\]](#) If you have to ask you can't do it. Don't even try, you will get cleaned.

I'll actually take this advice, and go for it. Thank you for being blunt on what its going to take.

6577657534735 - March 30, 2019, 12:35 pm

(Mar 30, 2019 06:49 AM)Obsoletionist Wrote: [\[CITE\]](#) I'll actually take this advice, and go for it. Thank you for being blunt on what its going to take.

Keep in mind that professionals at proprietary trading firms design models specifically meant to exploit every naive model they can find listed in every textbook and blog post, to make money off people like you. Also keep in mind that to make money you need low latency access to the exchange you're trading on which costs millions, as well as access to stock data feeds, which costs in the tens of thousands per month for some exchanges. Don't forget that backtested trading strategies which make money often fail to make money when deployed in real life.

You need deep low level systems programming knowledge to build a low latency trading platform, as well as deep statistical and machine learning knowledge to make it behave correctly. Prop trading firms hire people with PhDs in statistics and machine learning for a reason - because trading strategies aren't one-size-fits all, they are novel and need to be constantly updated. It's not about just "making a trading bot" or some other little HF level project. I'm not telling you this to discourage you, I'm telling you this to inform you of the fact that you have literally no chance of ever making

money. I say this as a person who has professional experience in this field. This is a massive team effort between systems programmers, statisticians, data scientists, and traders. To top it off you need lots of capital, far more than you likely have

You can't just trade with a couple thousand dollars, you need to drop at least \$100k to even attempt to implement a basic trading strategy. That's a lot of money to bet on your systems programming knowledge and adherence to sound control theory. Did you account for flash crashes? Did you account for program states that were unexpected which result in money-loss feedback loops? Did you account for every conceivable bug in your trading algorithm with hardened fuzz-testing suite and manual test case set? Did you account for things like network latency, out of order UDP packets (trading firms rarely use TCP), and factors such as this?

Once again I'm not trying to discourage you, but rather inform you of the fact that there is no hope for one person to do this, let alone a person who is starting from no knowledge of the topic. If you think you're capable of doing this, you're better off trying to get a job at a proprietary trading firm where you can execute your strategies on their capital and have them give you a few million to play with on your algorithms.

It's an honorable goal though, I encourage you to study these topics to the point where you can get hired, but I'm just informing you that you cannot do this by yourself, it's not a solo activity for newcomers, it has a very high barrier of entry and it takes a large village to do this effectively in a way that will actually generate income instead of it just being a toy project. If you think you can write a little AI implementing naive formulas like "buy high sell low" or train a simple neural network on historical data and have it actually make you money, you are very sadly mistaken

int - March 30, 2019, 2:27 pm

bruh just do 1000 nested if statements, basically the same as an AI in 2019 ROFL

0xDEAD10CC - March 30, 2019, 4:27 pm

(Mar 30, 2019 02:27 PM)terrydavis Wrote: [\[CITE\]](#) bruh just do 1000 nested if statements, basically the same as an AI in 2019 ROFL

You don't even know what you're talking about.

To learn machine learning algorithms and have your first project be something that has potential to make you go bankrupt though, is not a smart idea.

int - March 30, 2019, 6:52 pm

(Mar 30, 2019 04:27 PM)0xDEAD10CC Wrote: [\[CITE\]](#) You don't even know what you're talking about.

To learn machine learning algorithms and have your first project be something that has potential to make you go bankrupt though, is not a smart idea.

it was a fucking joke you mongoloid.

joke explanation because you dont seem to understand:

a majority of AI startups dont have a functioning ai, just a bunch of if statements.

Legi0NHover - March 30, 2019, 7:00 pm

(Mar 30, 2019 06:52 PM)terrydavis Wrote: [\[CITE\]](#) it was a fucking joke you mongoloid.

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just shut up

joking or not you dont know jackshit

int - March 30, 2019, 7:03 pm

(Mar 30, 2019 07:00 PM)Legi0NHover Wrote: [\[CITE\]](#) just shut up

joking or not you dont know jackshit

thank you mr xbox random capitals name, your input is valued!

0xDEAD10CC - March 30, 2019, 7:15 pm

(Mar 30, 2019 06:52 PM)terrydavis Wrote: [\[CITE\]](#) it was a fucking joke you mongoloid.

joke explanation because you dont seem to understand:

a majority of AI startups dont have a functioning ai, just a bunch of if statements.

It doesn't change the real functionality of an AI just because startups can't implement it properly you baboon.. Learn to implement a neural network that can even understand to recognize digits before you comment next with something else that doesn't provide any benefit.

int - March 30, 2019, 7:17 pm

(Mar 30, 2019 07:15 PM)0xDEAD10CC Wrote: [\[CITE\]](#) It doesn't change the real functionality of an AI just because startups can't implement it properly you baboon.. Learn to implement a neural network that can even understand to recognize digits before you comment next with something else that doesn't provide any benefit.

getting defensive after u realize ur an idiot for getting mad at my joke?

0xDEAD10CC - March 30, 2019, 7:19 pm

(Mar 30, 2019 07:17 PM)terrydavis Wrote: [\[CITE\]](#) getting defensive after u realize ur an idiot for getting mad at my joke?

<https://hackforums.net/showthread.php?tid=5857495>

^ You don't even realize how stupid something like this is to benchmark with the information you provided in the thread. You must think all CPU's, and all compiler optimizations work the same... ? It also goes to show that you don't understand CPU caching. How is someone like you going to ever provide something of value to this thread?

You barely know the basics, yet you attempt to make a joke here. You're the idiot. ?

int - March 30, 2019, 7:21 pm

(Mar 30, 2019 07:19 PM)0xDEAD10CC Wrote: [\[CITE\]](#)
<https://hackforums.net/showthread.php?tid=5857495>

^ You don't even realize how stupid something like this is to benchmark with the information you provided in the thread. You must think all CPU's, and all compiler optimizations work the same... ? It also goes to show that you don't understand CPU caching. How is someone like you going to ever provide something of value to this thread?

You barely know the basics, yet you attempt to make a joke here. You're the idiot. ? imagine getting mad and using a thread from 6 MONTHS ago to try to flame me, rofl

0xDEAD10CC - March 30, 2019, 7:22 pm

(Mar 30, 2019 07:21 PM)terrydavis Wrote: [\[CITE\]](#) imagine getting mad and using a thread from 6 MONTHS ago to try to flame me, rofl

Your posts indicate you haven't learned anything since then, so your point? You make 6 months seem like a decade. 6 months is nothing from any kind of educational system or standpoint. Again, you're just proving your stupidity here.

GrandpaSherman - March 30, 2019, 7:22 pm

I don't know how well this will work. What would you have the AI study? The graphs and patterns?
Weak market efficiency.

It'll have to be actively looking at everything companies do, what the markets do, as well as be able to develop an analysis to predict.

Not impossible but it'll take a lot of learning

int - March 30, 2019, 7:23 pm

(Mar 30, 2019 07:22 PM)0xDEAD10CC Wrote: [\[CITE\]](#) Your posts indicate you haven't learned anything since then, so your point? You make 6 months seem like a decade.

the point is I made a joke, and you got mad, and now ur flaming me in an attempt to hide the fact you misunderstood a joke

0xDEAD10CC - March 30, 2019, 7:24 pm

(Mar 30, 2019 07:23 PM)terrydavis Wrote: [\[CITE\]](#) the point is I made a joke, and you got mad, and now ur flaming me in an attempt to hide the fact you misunderstood a joke

You're the bigger joke here. I didn't misunderstand anything - I can see this clearly! :) Why would I get mad when I know for a fact I understand the topic better than you do? That's your best defense?

int - March 30, 2019, 7:25 pm

(Mar 30, 2019 07:24 PM)0xDEAD10CC Wrote: [\[CITE\]](#) You're the bigger joke here. I didn't misunderstand anything - I can see this clearly! :) Why would I get mad when I know for a fact I understand the topic better than you do. That's your best defense?

why did you branch so far off my joke then?

i made a joke about AI startups not having an AI, then you went apeshit autismode

0xDEAD10CC - March 30, 2019, 7:26 pm

(Mar 30, 2019 07:25 PM)terrydavis Wrote: [\[CITE\]](#) why did you branch so far off my joke then?

i made a joke about AI startups not having an AI, then you went apeshit autismode

(Mar 30, 2019 02:27 PM)terrydavis Wrote: [\[CITE\]](#) bruh just do 1000 nested if statements, basically the same as an AI in 2019 ROFL

Sorry, but unless you can't even comprehend what your brain can form into words... There's nothing about "startups" here in that context...

Try again.

int - March 30, 2019, 7:27 pm

(Mar 30, 2019 06:52 PM)terrydavis Wrote: [\[CITE\]](#) it was a fucking joke you mongoloid.

joke explanation because you dont seem to understand:

a majority of AI startups dont have a functioning ai, just a bunch of if statements.

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i will be heading out now, mr super saiyan ape mode autism power

0xDEAD10CC - March 30, 2019, 7:32 pm

(Mar 30, 2019 07:27 PM)terrydavis Wrote: [\[CITE\]](#) .

i will be heading out now, mr super saiyan ape mode autism power

You even have to make a joke about something that would more likely describe you lol. Clearly you have nothing better to use in a debate because you lack the intelligence to provide valuable feedback on these kinds of topics. I look forward to not seeing your posts here so I don't have to read through more irrelevant nonsense (as I'm sure others will enjoy too).

Cya

