

# Why Options?

#### Stock

Symbol = NVDA

Price = \$303.69

#### **Option**

Symbol = NVDA\_021822C320

- → Expiry Date = Feb 18<sup>th</sup>, 2022
- → Contract = Call
- → Strike Price = \$320

Price = <u>\$11.97</u>

#### Cost to control 100 shares:

\$30,369

>>>

\$1,197



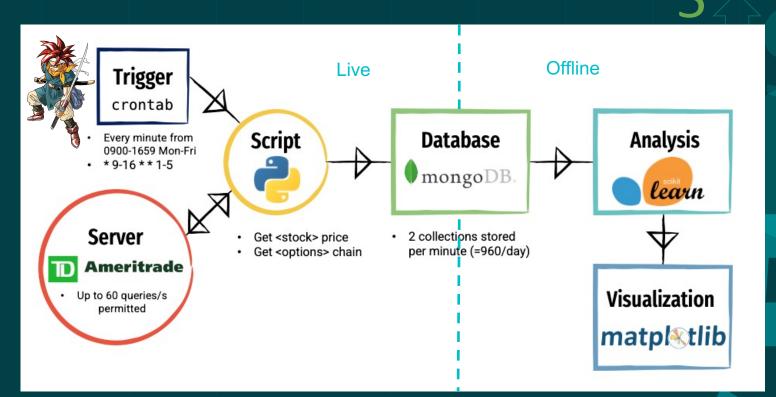
# Why Options?



#### **NVDA** products available:

Stock: 1 Options: **1,621** 

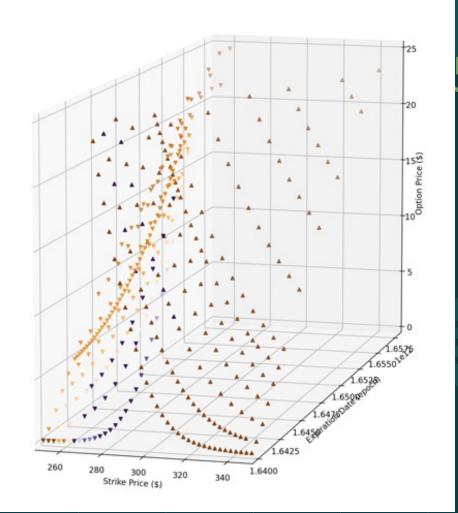
# **Data Storage & Analysis Pipeline**



# **Price History**





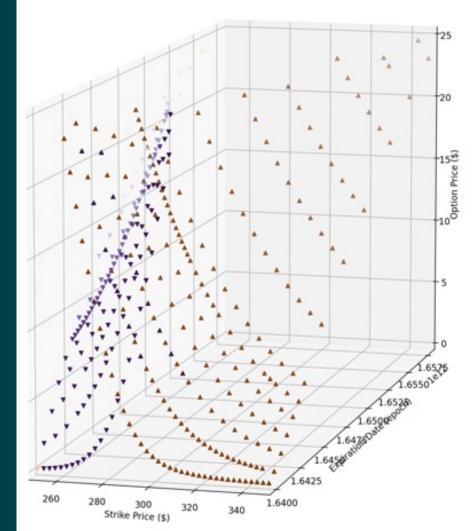






14:00







### **Use Cases**

- → #1: Price prediction
  - → Linear regression
  - → Time series (ARIMA)
- → #2: Decision support
  - → Binomial (sell | don't sell)
  - → Multiclass (buy | sell | hold | ... )
- → #3: Deep learning
  - → Seq2seq models



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# Thanks!



## Reference: API Responses

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callPut
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