# Summary of QuantConnect

QuantConnect is an open source, community driven algorithmic trading platform.

QuantConnect supports algorithmic trading by providing an enormous library of data of roughly 40TB in size for backtesting. This library include:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Asset Class | Source | Start Date | Symbols | Resolution | Type |
| US Equity | QuantQuote | Jan 1998 | ≈30,000 | Tick, Sec, Min, Hour, Daily | Trades |
| Forex | FXCM | Apr 2007 | 13 | Tick, Sec, Min, Hour, Daily | Quotes |
| Forex | OANDA | Apr 2004 | 71 | Tick, Sec, Min, Hour, Daily | Quotes |
| CFD | OANDA | Apr 2004 | 50 | Tick, Sec, Min, Hour, Daily | Quotes |
| Options | AlgoSeek | Jan 2010 | ≈4000 | Minute Bars Only | Trades & Quotes |
| Futures | AlgoSeek | Jan 2009 | ≈1100 | Tick, Second, Minute | Trades & Quotes |
| Crypto | Kaiko | Jan 2015 | 12 | Tick, Second, Minute | Trades |

With QuantConnect, users can design and test their strategies on free data before deploying it live.

What is algorithmic trading and how does QuantConnect support it?

For making money with Forex, what machine learning strategy can you apply? Is there more than one? If so, what are the pros/cons of each, select up to 3 models to write about.

Select one model for use on forex and describe how it works to select when to buy/sell and how it uses data?

What are three technical differences in model performance between a fiat model and cryptocurrency model?

# Summary of Machine Learning and Trading Paper