

# Volatility: your Enemy or your Friend?

*A Deep Learning Solution*



**Is Bitcoin really more volatile than fiat currency?**



**Quiz Time!**

# Which currency pair is this?



# Which currency pair is this?



# Which currency pair is this?



A night photograph of a lightning storm over a body of water. The sky is dark blue, and several bright white lightning bolts are visible. In the distance, a city skyline is visible with lights reflecting on the water. A yellow rectangular box is overlaid on the image, containing the text.

**Deep Learning is**

**the new electricity**

Andrew Ng, Stanford

# When Deep Learning meets Cryptocurrency Market?

- ***Deep Learning*** models can manage any types of data like Text, Time series, Images etc
- **Big Data** and **Deep Learning** have scalable Architectures.
- **Volatility** can be kept under control using different models for each of the data sources





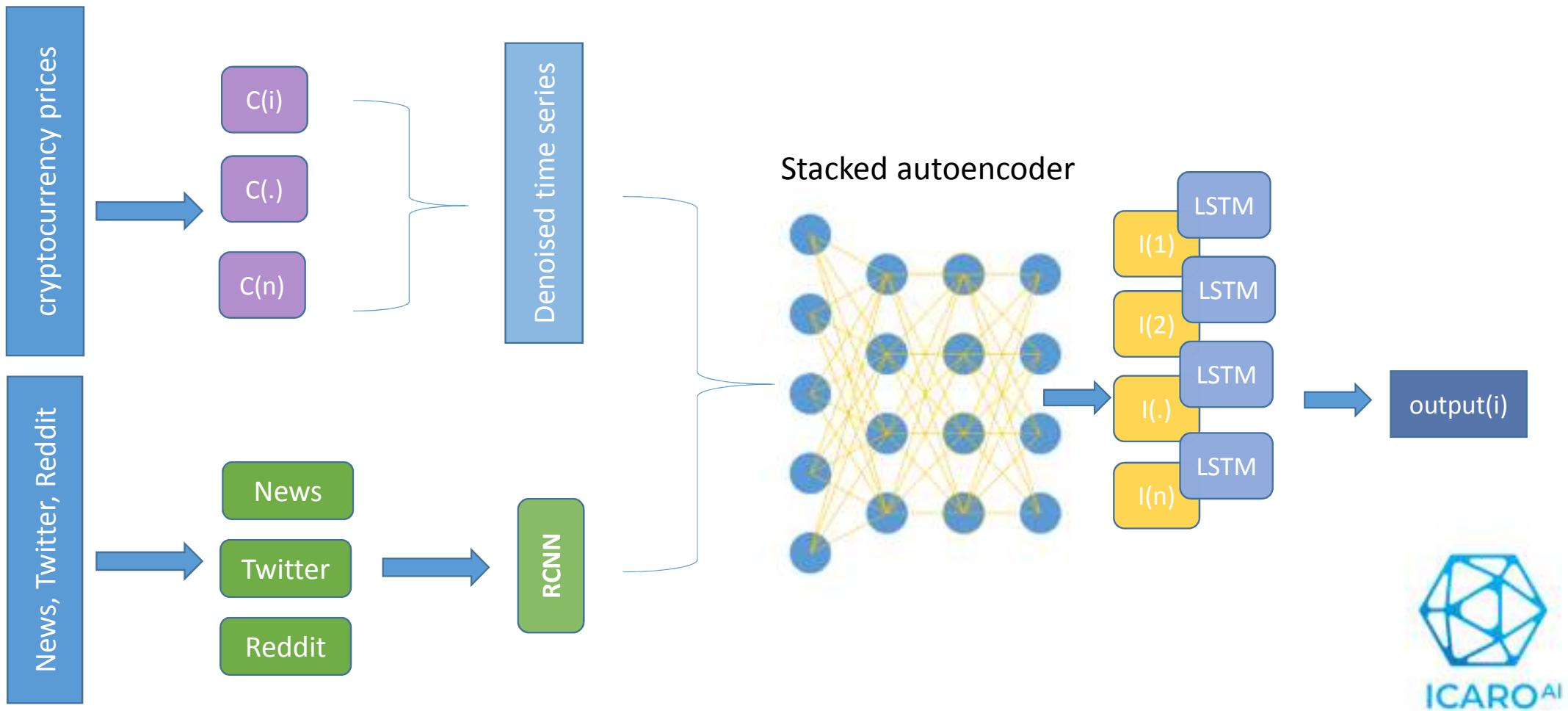
**IDEA**

# ICARO AI Solution

- Using **RCNN** we produce a sentiment time-series for each textual sequence which is inserted as input to **WSAEs-LSTM**.
- Deep Learning time-series model called **WSAEs-LSTM**
- The high accuracy of **RCNNs** and **WSAEs-LSTM** enables us to reach excellent levels of cryptocurrencies predictions.

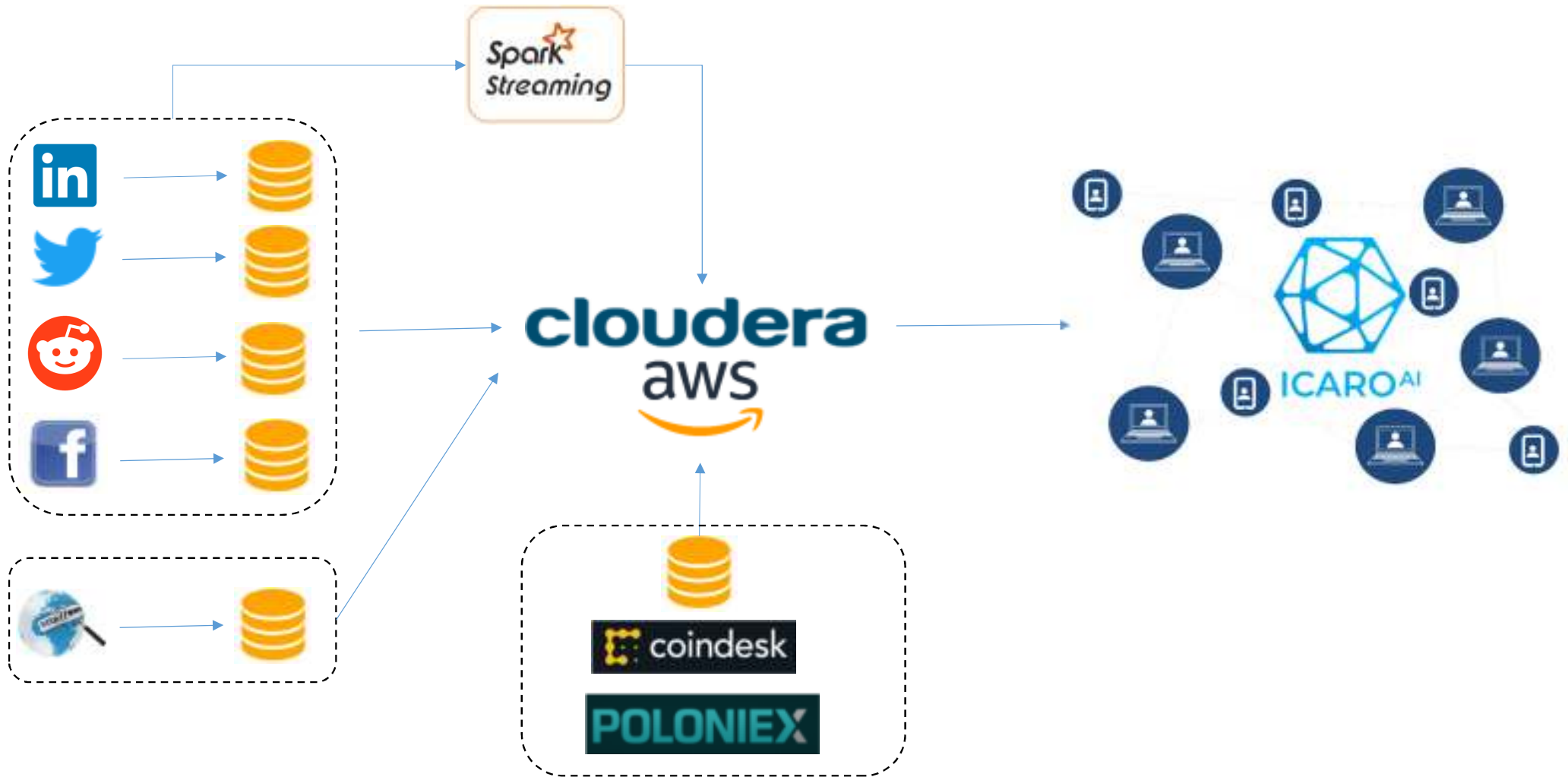


# ICARO AI model





# ICARO AI Scalable Architecture Design



# ICARO AI Solution

- Time series prediction on cryptocurrency prices historical data (50 mln)
- Multilingual Sentiment Analysis on Twitter/Reddit (5 mln)
- Multilingual Sentiment Analysis on news (50K news)
- Real-time Analysis
- Intelligence (top trader)



# ICARO AI new features

- Chatbot
- Wallet Management using Deep Reinforcement Learning
- Blockchain Platform
- Text Summarization for financial news
- Facebook /Linkedin /Google Trends API
- Bloomberg API (Technical Indicators)



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**Want to continue the conversation  
about deep learning and volatility?**

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