Algorithm encodes financial information onto each qubit; via a series of RX rotation gate operations. Parameterize gates using real-time streaming data of returns, standard deviation (converted to PCA 1, 2 values) of each assets, algorithmic trading strategies, and portfolios data. After transforming our high-dimensional, high-frequency real-time data, we encode the resulting PCA 1, 2 values onto qubits; represented by each qubit's quantum state, where theta (θ) is the angle of rotation.

```
         ┌──────┐
q_0:  ┤ Rx(Θ) ├
         └──────┘
```

Ex. Leap IDE output:

```
         ┌──────┐
q_0:  ┤ Rx(0.01) ├
         └──────┘

         ┌──────┐
q_1:  ┤ Rx(0.02) ├
         └──────┘

         ┌──────┐
q_2:  ┤ Rx(0.5) ├
         └──────┘

         ┌──────┐
q_3:  ┤ Rx(0.4) ├
         └──────┘

         ┌──────┐
q_4:  ┤ Rx(0.6) ├
         └──────┘

         ┌──────┐
q_5:  ┤ Rx(0.7) ├
         └──────┘
```