

# Types of Trading

Spot - Buy or sell Bitcoin for immediate delivery

Margin - Buy or sell Bitcoin on the spot book with borrowed funds

Futures - Buy or sell financial contracts that settle based on the Bitcoin Price



### Where Does Leverage Come From

Refer to the Leverage tab

Margin Trading - Money is borrowed from other users or the exchange

Futures Trading - The exchange sets the leverage level, leverage is provided by the trading counterparty



## **Types Of Bitcoin Futures**

Quanto Futures - Fixed Bitcoin multiplier applied to the USD price

XBT Value = Price \* Multiplier \* Contracts

USD Value = Price<sup>2</sup> \* Multiplier \* Contracts

Linear in Bitcoin terms, quadratic in USD terms

The BitMEX Speculation (XBT) series of Bitcoin / USD futures are quanto

Refer to Quanto tab



## Types Of Bitcoin Futures

Inverse Futures - Each contract is worth a fixed amount of USD at every Bitcoin price

USD Value = USD Contract Value e.g. \$100

XBT Value = USD Contract Value / Price \* Contracts

Fixed in USD terms, exponential in Bitcoin terms

The BitMEX Hedging (XBU) series of Bitcoin / USD futures are inverse

Refer to Inverse tab



#### Quanto vs. Inverse

Quanto futures better for bullish traders / speculators

Inverse futures better for bearish traders / hedgers

Quanto futures will trade at a premium to Inverse futures

Refer to Quanto vs. Inverse tab



### **Covered Interest Rate Parity**

Borrow USD at 10% for 1 year

**Buy Bitcoin** 

Lend Bitcoin at 5% for 1 year

Sell Bitcoin in 1 year

Repay USD Loan

No arbitrage Bitcoin / USD forward price

Forward = Spot \* (1 + USDr) / (1 + XBTr) = \$100 \* (1.1/1.05) = \$104.76



### **Pricing Futures**

XBT Pricing Sheet:

https://docs.google.com/spreadsheets/d/1ImBQlxXLcJzbr\_NoDWy3UvQ7mxvEikN 3jvn7mfqL3AI/edit?usp=sharing

XBU Pricing Sheet:

https://docs.google.com/spreadsheets/d/1Y2Yz8dRXfX1-50h8n4b7VEyfGkt0rbqT N2I2D3mSEzs/edit?usp=sharing