BODB Datatypes

Option Types Enum

call	put

This is a custom type used within the quotes and trades table. This makes it easy to differentiate between puts and calls in a readable way, instead of using numbers.

Quotes Table

Column	Type	Constraints
id	Big Serial	Primary Key
timestamp	timestamp	Not null
expiration_date	Timestamp	Not null
ticker	varchar(5)	Not null
strike_price	real	Not null
underlying_price	real	Not null
option_type	optiontype	Not null
bid	real	Not null
ask	real	Not null
fingerprint	text	unique

Trades Table

Column	Type	Constraints
id	Big Serial	Primary Key
timestamp	timestamp	Not null
expiration_date	Timestamp	Not null
ticker	varchar(5)	Not null
strike_price	real	Not null
underlying_price	real	Not null
option_type	optiontype	Not null
volume	integer	Not null
price	real	Not null
fingerprint	text	unique

Important Fields

Id: this is a unique ID for the record within the database. This is auto-incremented.

Fingerprint: this is a unique identifier for where in the BODB files this was extracted from, currently the standard is: `<filename>:<line>` the file name and line from that file is recorded here. This is a unique field, which constrains us from adding duplicate records, which may cause inaccurate representations of data.