

PostgreSQL Table Structure

```
tick_data-# GROUP BY table_name;
-[ RECORD 1 ]-----
table_info  | === TABLE: bot_metrics ===
column_info |
            | COLUMNS:
            | id integer NOT NULL
            | avg_win_rate numeric
            | avg_profit_per_second numeric
            | win_streak_2 integer
            | win_streak_3 integer
            | win_streak_4 integer
            | win_streak_5 integer
            | win_streak_6 integer
            | win_streak_7 integer
-[ RECORD 2 ]-----
table_info  | === TABLE: bots ===
column_info |
            | COLUMNS:
            | id integer NOT NULL
            | name character varying(100)
            | description text
            | algorithm_type character varying(50)
            | ticker_pair character varying(20)
            | status character varying(20)
            | max_position_size numeric
            | risk_level integer
            | created_at timestamp with time zone
-[ RECORD 3 ]-----
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table_info | === TABLE: sim_bot_trades ===
column_info |
            | COLUMNS:
            | id integer
            | bot_id integer
            | trade_id character varying(50)
            | trade_timestamp timestamp without time zone
            | symbol character varying(10)
            | entry_price numeric
            | exit_price numeric
            | quantity integer
            | trade_type character varying(10)
            | trade_direction character varying(10)
            | trade_duration interval
            | profit_loss numeric
            | exit_signal_price numeric
            | exit_signal_time timestamp without time zone
            | actual_exit_price numeric
            | actual_exit_time timestamp without time zone
            | execution_slippage numeric
            | pnl numeric
            | delta_price numeric
-[ RECORD 4 ]-----
table_info | === TABLE: tick_data ===
column_info |
            | COLUMNS:
            | id integer NOT NULL
            | ticker character varying(20) NOT NULL
            | timestamp timestamp with time zone NOT NULL
            | price numeric
            | trade_size integer
            | bid numeric
            | ask numeric
            | created_at timestamp with time zone
            | volume integer

```

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tick_data=# -- For tick_data
tick_data=# SELECT * FROM tick_data LIMIT 5;
-[ RECORD 1 ]-----
id          | 1
ticker      | COIN
timestamp   | 2025-01-21 19:31:50.128491-06
price       | 300.97000000
trade_size  | 0
bid         |
ask         |
created_at  | 2025-01-21 13:31:50.155896-06
volume      |
-[ RECORD 2 ]-----
id          | 2
ticker      | COIN
timestamp   | 2025-01-21 19:31:50.173267-06
price       | 303.10000000
trade_size  | 0
bid         |
ask         |
created_at  | 2025-01-21 13:31:50.265701-06
volume      |
-[ RECORD 3 ]-----
id          | 3
ticker      | COIN
timestamp   | 2025-01-21 19:31:50.173267-06
price       | 273.62000000
trade_size  | 0
bid         |
ask         |
created_at  | 2025-01-21 13:31:50.266598-06
volume      |
-[ RECORD 4 ]-----
id          | 4
ticker      | COIN

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timestamp | 2025-01-21 19:31:50.173267-06
price      | 295.48000000
trade_size | 0
bid        |
ask        |
created_at | 2025-01-21 13:31:50.267261-06
volume     |
-[ RECORD 5 ]-----
id         | 5
ticker     | COIN
timestamp  | 2025-01-21 19:31:50.17427-06
price      | 298.52000000
trade_size | 0
bid        |
ask        |
created_at | 2025-01-21 13:31:50.267903-06
volume     |

```

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-- For sim_bot_trades
tick_data=# SELECT * FROM sim_bot_trades LIMIT 5;
-[ RECORD 1 ]-----+-----
id              |
bot_id         |
trade_id       |
trade_timestamp | 2025-01-30 03:25:22.808458
symbol         | COIN
entry_price    | 288.41
exit_price     |
quantity      | 1
trade_type     | MARKET
trade_direction | SHORT
trade_duration |
profit_loss    |
exit_signal_price |

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exit_signal_time	
actual_exit_price	
actual_exit_time	
execution_slippage	
pnl	
delta_price	
-[RECORD 2]-----+	
id	
bot_id	
trade_id	
trade_timestamp	2025-01-30 03:25:47.582406
symbol	COIN
entry_price	289.89
exit_price	
quantity	1
trade_type	MARKET
trade_direction	SHORT
trade_duration	
profit_loss	
exit_signal_price	
exit_signal_time	
actual_exit_price	
actual_exit_time	
execution_slippage	
pnl	
delta_price	
-[RECORD 3]-----+	
id	
bot_id	
trade_id	
trade_timestamp	2025-01-30 03:26:10.631169
symbol	COIN
entry_price	288.41
exit_price	
quantity	1
trade_type	MARKET

trade_direction		SHORT
trade_duration		
profit_loss		
exit_signal_price		
exit_signal_time		
actual_exit_price		
actual_exit_time		
execution_slippage		
pnl		
delta_price		
-[RECORD 4]-----+		
id		
bot_id		
trade_id		
trade_timestamp		2025-01-30 03:26:41.680347
symbol		COIN
entry_price		289.52
exit_price		
quantity		1
trade_type		MARKET
trade_direction		SHORT
trade_duration		
profit_loss		
exit_signal_price		
exit_signal_time		
actual_exit_price		
actual_exit_time		
execution_slippage		
pnl		
delta_price		
-[RECORD 5]-----+		
id		
bot_id		
trade_id		
trade_timestamp		2025-01-30 03:34:31.336213
symbol		COIN

entry_price		290.20
exit_price		
quantity		1
trade_type		MARKET
trade_direction		SHORT
trade_duration		
profit_loss		
exit_signal_price		
exit_signal_time		
actual_exit_price		
actual_exit_time		
execution_slippage		
pnl		
delta_price		