

Modeling with SQL

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Modeling in SQL



SQL Data Types

Standard SQL Type	Usage
DATE	Local date
TIME	Local time
TIME WITH TIME ZONE	Time with timezone
TIMESTAMP	Local date and time
TIMESTAMP WITH TIME ZONE	Date and time with timezone

Modeling instants

- `TIMESTAMP WITH TIME ZONE` is the only type that can accurately model machine time
- Called
 - `TIMESTAMPTZ` in PostgreSQL
 - `DATETIMEOFFSET` in Microsoft SQL Server

Common Sources of Error

- Using SQL `TIMESTAMP` to store events (without timezone information)

Slides and Code

github.com/sualeh/make-a-date

