Learn how to import Excel data into a MySQL database

Posted by **AJ Welch**

The following is an example walkthrough of importing an Excel document into a MySQL database. To run this tutorial you will need an Excel file, and admin access to a running MySQL instance.

For the example we'll be using the following Excel file on rental boats:

boats.xlsx

1. Open your Excel file and click Save As. Choose to save it as a .CSV (Comma Separated) file. If you are running Excel on a Mac, you will need to save the file as a Windows Comma Separated (.csv) or CSV (Windows) to maintain the correct formatting.

2. Log into your MySQL shell and create a database. For this example the database will be named `boatdb`. Note that the `--local-infile` option is needed by some versions of MySQL for the data loading we'll do in the following steps.

```
$ mysql -u root -p --local-infile
mysql> create database boatdb;
mysql> use boatdb;
```
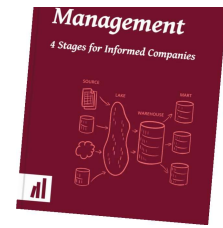
3. Next we'll define the schema for our `boat` table using the `CREATE TABLE` command. For more details, see the [MySQL documentation](#).

```
CREATE TABLE boats (
d INT NOT NULL PRIMARY KEY,
name VARCHAR(40),
type VARCHAR(10),
owner_id INT NOT NULL,
date_made DATE,
rental_price FLOAT
);
```

4. Run show tables to verify that your table was created.

```
mysql> show tables;
+-----------------+
| Tables_in_boatdb |
+-----------------+
| boats           |
+-----------------+
```

```
LOAD DATA LOCAL INFILE "/path/to/boats.csv" INTO TABLE
boatdb.boats
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
IGNORE 1 LINES
(id, name, type, owner_id, @datevar, rental_price)
set date_made = STR_TO_DATE(@datevar,'%m/%d/%Y');
```

If you are a Chartio user, you can now connect the MySQL database to Chartio and chart away.

Management
4 Stages for Informed Companies

[Free download]

f   𝕏   in   Y

SIMILAR ARTICLES

7 Free Database Diagramming Tools for Busy Data Folks

Figuring out your database architecture doesn't have to cost you money along with your sanity. There are many database diagramming tools that are not only incredibly useful but also free. We went ahead and gathered seven of the top free database diagramming tools here for you to explain how each one works and why they're free in the first place.

Grant table-level permissions in SQL Server

After launching and connecting to SQL Server Management Studio, create a new login and select the database that is connected to Chartio.

Grant MySQL table and column permissions

You can grant a user table and column permissions in MySQL with GRANT statements.

| Documentation | Support | Blog | Learn | Terms of Service | Privacy Policy