**How to Bulk Load Data into MySQL with Python**

As in any other relational databases, the fastest way to load data into MySQL is to upload a flat file into a table. To do this, MySQL has a [LOAD DATA INFILE](https://dev.mysql.com/doc/refman/5.7/en/load-data.html) function. We can use Python to execute this command. To connect to MySQL and execute SQL statements with Python, we will use the [pymysql](https://pymysql.readthedocs.io/en/latest/) module.

As in the [previous post with PostgresSQL](https://www.mydatahack.com/how-to-bulk-load-data-into-postgresql-with-python), we will first export a table into a csv file and then look at how we can load a csv file to a table.

First of all, let’s import all the modules required for this exercise.

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**Exporting MySQL table into a CSV file**

First of all, let’s export a table into CSV file. We are using the Pandas module to convert SQL results into Pandas data frame and write it to a csv file.

The function takes a select query, output file path and connection details. To export an entire table, you can use select \* on the target table.

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**Importing CSV file to MySQL table**

Make sure to have autocommit turned on. To upload files, you need to set the local\_infile parameter to 1. The function takes a load data infile statement and connection details.

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