

1.

```
mysql> LOAD DATA CONCURRENT LOCAL INFILE 'C:/Users/Shi Tao/Desktop/nz-street-address.csv' INTO TABLE `nz-street-address` FIELDS TERMINATED BY ',' ENCLOSED BY '"' LINES TERMINATED BY '\r\n' IGNORE 1 LINES;
Query OK, 2023639 rows affected (31.20 sec)
Records: 2023639 Deleted: 0 Skipped: 0 Warnings: 0
```

<https://stackoverflow.com/questions/14127529/mysql-import-data-from-csv-using-load-data-infile>
2.

```
mysql> SELECT avg(gd2000_xcoord), avg(gd2000_ycoord), suburb_locality, town_city FROM `nz-street-address` GROUP BY suburb_locality INTO OUTFILE 'C:/ProgramData/MySQL/MySQL Server 5.7/Uploads/suburb-city-coords.csv' FIELDS TERMINATED BY ',' ENCLOSED BY '"' LINES TERMINATED BY '\n';
Query OK, 3020 rows affected (18 min 34.12 sec)
```
3.

```
mysql> CREATE TABLE oc_suburb_city_coords (
  -> suburb_lon double,
  -> suburb_lat double,
  -> suburb_name varchar(256) primary key,
  -> city_name varchar(256));
Query OK, 0 rows affected (0.03 sec)
```
4.

```
mysql> LOAD DATA CONCURRENT LOCAL INFILE 'C:/ProgramData/MySQL/MySQL Server 5.7/Uploads/suburb-city-coords.csv' INTO TABLE `oc_suburb_city_coords` FIELDS TERMINATED BY ',' ENCLOSED BY '"' LINES TERMINATED BY '\n';
Query OK, 3020 rows affected (0.04 sec)
Records: 3020 Deleted: 0 Skipped: 0 Warnings: 0
```
5.

```
mysql> UPDATE oc_suburb_city_coords SET suburb_name='Christchurch' where suburb_name=' ' or suburb_name=null;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```
6.

```
mysql> UPDATE oc_suburb_city_coords SET city_name=suburb_name where city_name=' ' or city_name=null;
Query OK, 1915 rows affected (0.06 sec)
Rows matched: 1915 Changed: 1915 Warnings: 0
```
7.

```
mysql> SELECT * FROM `oc_suburb_city_coords` INTO OUTFILE 'C:/ProgramData/MySQL/MySQL Server 5.7/Uploads/suburb-city-coords-enhanced.csv' FIELDS TERMINATED BY ',' ENCLOSED BY '"' LINES TERMINATED BY '\n';
Query OK, 3020 rows affected (0.01 sec)
```
8.

```
mysql> CREATE TABLE oc_suburb_city_coords_enhanced (
  -> suburb_lon double,
  -> suburb_lat double,
  -> suburb_name varchar(256) primary key,
  -> city_name varchar(256));
Query OK, 0 rows affected (0.02 sec)
```
9.

```
mysql> LOAD DATA CONCURRENT LOCAL INFILE 'C:/ProgramData/MySQL/MySQL Server 5.7/Uploads/suburb-city-coords-enhanced.csv' INTO TABLE `oc_suburb_city_coords_enhanced` FIELDS TERMINATED BY ',' ENCLOSED BY '"' LINES TERMINATED BY '\n';
Query OK, 3020 rows affected (0.04 sec)
Records: 3020 Deleted: 0 Skipped: 0 Warnings: 0
```
10.

```
mysql> SELECT avg(suburb_lon), avg(suburb_lat), city_name FROM `oc_suburb_city_coords_enhanced` GROUP BY city_name INTO OUTFILE 'C:/ProgramData/MySQL/MySQL Server 5.7/Uploads/city-coords.csv' FIELDS TERMINATED BY ',' ENCLOSED BY '"' LINES TERMINATED BY '\n';
Query OK, 2178 rows affected (0.02 sec)
```

11.

```
mysql> CREATE TABLE oc_city_coords (
-> city_lon double,
-> city_lat double,
-> city_name varchar(256) primary key)
-> ;
Query OK, 0 rows affected (0.03 sec)
```
12.

```
mysql> LOAD DATA CONCURRENT LOCAL INFILE 'C:/ProgramData/MySQL/MySQL Server 5.7/Uploads/city-coords.csv' INTO TABLE `oc_city_coords` FIELDS TERMINATED BY ',' ENCLOSED BY '"'
' LINES TERMINATED BY '\n';
Query OK, 2178 rows affected (0.03 sec)
Records: 2178 Deleted: 0 Skipped: 0 Warnings: 0
```

LOADING CSV IN UBUNTU/LINUX

1.

```
mason@ubuntu:~$ mysql --user=root --password=root --local-infile vonz
```

OR

```
mason@ubuntu:~$ mysql -u root -p --local-infile vonz
```

 - the last flag turn off the security feature

2.

```
mysql> CREATE TABLE `oc_suburb_city_coords` (
-> suburb_lon double,
-> suburb_lat double,
-> suburb_name varchar(256) primary key,
-> city_name varchar(256));
Query OK, 0 rows affected (0.12 sec)
```

3.

```
mason@ubuntu:~$ sudo vi /etc/mysql/conf.d/mysql.cnf
```



```
mason@ubuntu:~$ sudo vi /etc/mysql/mysql.conf.d/mysqld.cnf
```

make sure load data command is allowed, see :

<http://bookofzeus.com/articles/mysql/mysql-load-data-infile-error-1148/>

4. MAKE SURE THE FOLLOWING HOLDS:

- a.

```
[mysqld]
pid-file           = /var/run/mysqld/mysqld.pid
socket             = /var/run/mysqld/mysqld.sock
datadir            = /var/lib/mysql
log-error          = /var/log/mysql/error.log
local-infile       = 1
```

- b.

```
[mysql]
local-infile = 1

[client]
loose-local-infile = 1
```

5. If you change the .cnf file, restart the service by

```
mason@ubuntu:~$ sudo /etc/init.d/mysql restart
```

- mysql> LOAD DATA CONCURRENT LOCAL INFILE '/var/www/owncloud/apps/recorder/data/suburb-city-coords-enhanced.csv' INTO TABLE `oc_suburb_city_coords` FIELDS TERMINATED BY ',' ENCLOSED BY '"' LINES TERMINATED BY '\n';
Query OK, 3020 rows affected (0.23 sec)
Records: 3020 Deleted: 0 Skipped: 0 Warnings: 0
- 6.
- mysql> CREATE TABLE `oc_city_coords` (
-> city_lon double,
-> city_lat double,
-> city_name varchar(256) primary key);
Query OK, 0 rows affected (0.09 sec)
- 7.
- mysql> LOAD DATA CONCURRENT LOCAL INFILE '/var/www/owncloud/apps/recorder/data/city-coords.csv' INTO TABLE `oc_city_coords` FIELDS TERMINATED BY ',' ENCLOSED BY '"' LINES TERMINATED BY '\n';
Query OK, 2178 rows affected (0.12 sec)
Records: 2178 Deleted: 0 Skipped: 0 Warnings: 0
- 8.