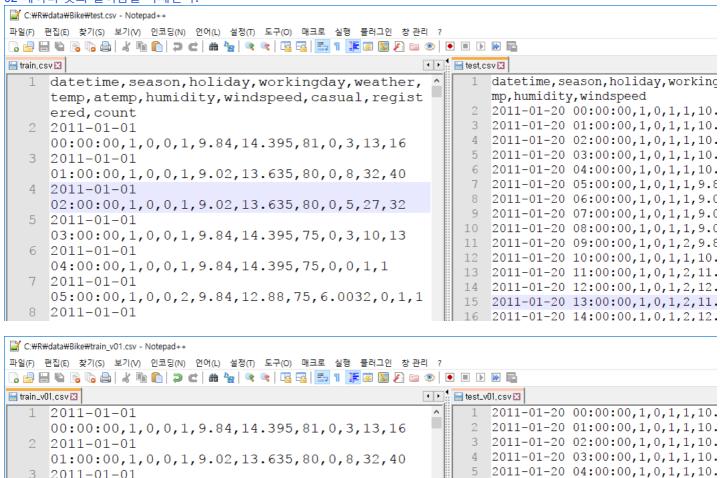MYSQL 접속
C:\Users\front>mysql -hlocalhost -uroot -p
Enter password: ********
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 18
Server version: 5.7.19 MySQL Community Server (GPL)
Copyright (c) 2000, 2017, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql>

02 데이터 셋의 열이름을 삭제한다.

03 데이터 테이블 생성

mysql> show databases;
```
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
| totolearn          |
+--------------------+
5 rows in set (0.04 sec)
```

mysql> use totolearn
Database changed

```
mysql> show tables;
+---------------------+
| Tables_in_totolearn |
+---------------------+
| topic               |
+---------------------+
1 row in set (0.00 sec)
```

날짜형 데이터 타입

데이터 유형	정의
DATE	날짜(년도, 월, 일) 형태의 기간 표현 데이터 타입(3byte)
TIME	시간(시, 분, 초) 형태의 기간 표현 데이터 타입(3byte)
DATETIME	날짜와 시간 형태의 기간 표현 데이터 타입(8byte)
TIMESTAMP	날짜와 시간 형태의 기간 표현 데이터 타입(4byte) -시스템 변경 시 자동으로 그 날짜와 시간이 저장된다.
YEAR	년도 표현 데이터 타입(1byte)

```
create table Bike (
  dt DATETIME(6),
  season  INT(3),
  holiday INT(3),
  workingday INT(3),
  weather INT(3),
  temp FLOAT(10),
  atemp FLOAT(10),
  humidity INT(10),
  windspeed FLOAT(3),
  casual INT(10),
  registered INT(10),
  count INT(10)
);

mysql> create table Bike (
    ->    dt DATETIME(6),
    ->    season  INT(3),
    ->    holiday INT(3),
    ->    workingday INT(3),
    ->    weather INT(3),
    ->    temp FLOAT(10),
    ->    atemp FLOAT(10),
    ->    humidity INT(10),
    ->    windspeed FLOAT(3),
    ->    casual INT(10),
    ->    registered INT(10),
    ->    count INT(10)
    -> );
Query OK, 0 rows affected (0.07 sec)
```

04 데이터 셋의 경로(Path)를 확인

이름 ^	수정한 날짜	유형	크기
test.csv	2017-10-24 오후...	한컴오피스 NEO ...	317KB
test_v01.csv	2017-10-24 오후...	한컴오피스 NEO ...	317KB
train.csv	2017-10-24 오후...	한컴오피스 NEO ...	634KB
train_v01.csv	2017-10-24 오후...	한컴오피스 NEO ...	634KB

C:/R/data/Bike

맞춤형 데이터 train_v01.csv 읽어오기
LOAD DATA INFILE 'C:/R/data/Bike/train_v01.csv' INTO TABLE bike FIELDS TERMINATED BY ',';

에러 발생할 수 있음.
mysql> LOAD DATA INFILE 'C:/R/data/Bike/train.csv' INTO TABLE bike FIELDS TERMINATED BY ',';
ERROR 1290 (HY000): The MySQL server is running with the --secure-file-priv option so it cannot execute this statement

해결
C:\Bitnami\wampstack-7.0.23-0\mysql

```
port=3306

# The MySQL server
[mysqld]
secure-file-priv = ""
# set basedir to your installation path
basedir="C:/Bitnami/wampstack-7.0.23-0/mysql"
# set datadir to the location of your data directory
datadir="C:/Bitnami/wampstack-7.0.23-0/mysql/data"
port=3306
character-set-server=UTF8
collation-server=utf8_general_ci
max_allowed_packet=32M
bind-address=127.0.0.1
# The default storage engine that will be used when create
new tables when
default-storage-engine=INNODB

log-error=
"C:/Bitnami/wampstack-7.0.23-0/mysql/data/mysqld.log"
[mysqldump]
max_allowed_packet=32M
```

secure-file-priv 을 설정함.

변경 후 MYSQL 서버 재기동

맞춤형 데이터 train_v01.csv 읽어오기
LOAD DATA INFILE 'C:/R/data/Bike/train_v01.csv' INTO TABLE bike FIELDS TERMINATED BY ',';

mysql> LOAD DATA INFILE 'C:/R/data/Bike/train_v01.csv' INTO TABLE bike FIELDS TERMINATED BY ',';
Query OK, 10886 rows affected (0.72 sec)
Records: 10886 Deleted: 0 Skipped: 0 Warnings: 0

# R스튜디오에서 이를 불러와보기
# totolearn, toto
my <- odbcConnect("mysql", uid="root", pwd="toto1234");
sqlQuery(my, "show databases");
sqlQuery(my, "use totolearn");
sqlQuery(my, "show tables;");
sqlQuery(my, "select * from bike;");