from pyspark import SparkConf

from pyspark.sql import SparkSession

from pyspark.sql.functions import \*

from pyspark.sql.types import \*

if \_\_name\_\_=='\_\_main\_\_':

    my\_spark = SparkSession.builder.appName("pymongo").config("spark.executor.memory","1g").config("spark.mongodb.read.connection.uri","mongodb+srv://sapralakshya:Bhavini\*1@cluster0exit.punurmm.mongodb.net/?retryWrites=true&w=majority").\

    config("spark.mongodb.write.connection.uri","mongodb+srv://sapralakshya:Bhavini\*1@cluster0.punurmm.mongodb.net/?retryWrites=true&w=majority").config("spark.jars.packages","org.mongodb.spark:mongo-spark-connector:10.0.3").getOrCreate()

    casedf=my\_spark.read.format("mongodb").option('database','Spark').option('collection','Case').load()

    casedf.select("\*").show(50)

    cnt=casedf.select(count("case\_id"))

    cnt.show()

    casedf.dropDuplicates().show(100)

    casedf.select("case\_id","province","city","group","confirmed").filter("group==True").orderBy(col("confirmed").desc()).limit(10).show()

    casedf.createOrReplaceTempView("case")

    my\_spark.sql("select \* from case where latitude is Null or longitude is Null limit 10").show()

    casedf.describe().show()

abc@d641a10f99fc:~/workspace$ python3 solution1.py

:: loading settings :: url = jar:file:/usr/local/spark-3.2.1-bin-hadoop3.2/jars/ivy-2.5.0.jar!/org/apache/ivy/core/settings/ivysettings.xml

Ivy Default Cache set to: /config/.ivy2/cache

The jars for the packages stored in: /config/.ivy2/jars

org.mongodb.spark#mongo-spark-connector added as a dependency

:: resolving dependencies :: org.apache.spark#spark-submit-parent-4f2c79e2-7c2b-4693-941e-610cdb67181e;1.0

confs: [default]

found org.mongodb.spark#mongo-spark-connector;10.0.3 in central

found org.mongodb#mongodb-driver-sync;4.5.1 in central

[4.5.1] org.mongodb#mongodb-driver-sync;[4.5.0,4.5.99)

found org.mongodb#bson;4.5.1 in central

found org.mongodb#mongodb-driver-core;4.5.1 in central

:: resolution report :: resolve 3823ms :: artifacts dl 7ms

:: modules in use:

org.mongodb#bson;4.5.1 from central in [default]

org.mongodb#mongodb-driver-core;4.5.1 from central in [default]

org.mongodb#mongodb-driver-sync;4.5.1 from central in [default]

org.mongodb.spark#mongo-spark-connector;10.0.3 from central in [default]

---------------------------------------------------------------------

| | modules || artifacts |

| conf | number| search|dwnlded|evicted|| number|dwnlded|

---------------------------------------------------------------------

| default | 4 | 1 | 0 | 0 || 4 | 0 |

---------------------------------------------------------------------

:: retrieving :: org.apache.spark#spark-submit-parent-4f2c79e2-7c2b-4693-941e-610cdb67181e

confs: [default]

0 artifacts copied, 4 already retrieved (0kB/8ms)

23/01/31 10:22:47 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

Setting default log level to "WARN".

To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).

+--------------------+---------+---------------+---------+-----+--------------------+---------+----------+-----------------+

| \_id| case\_id| city|confirmed|group| infection\_case| latitude| longitude| province|

+--------------------+---------+---------------+---------+-----+--------------------+---------+----------+-----------------+

|63cf8f8d53ee75182...|1000005.0| Dobong-gu| 43.0| true| Day Care Center|37.679422|127.044374| Seoul|

|63cf8f8d53ee75182...|1000010.0| Gwanak-gu| 30.0| true| Wangsung Church|37.481735|126.930121| Seoul|

|63cf8f8d53ee75182...|1000011.0| Eunpyeong-gu| 14.0| true|Eunpyeong St. Mar...| 37.63369| 126.9165| Seoul|

|63cf8f8d53ee75182...|1000016.0| Seodaemun-gu| 5.0| true| Yeonana News Class|37.558147|126.943799| Seoul|

|63cf8f8d53ee75182...|1000034.0| -| 1.0| true| Orange Life| -| -| Seoul|

|63cf8f8d53ee75182...|1000037.0| -| 162.0|false|contact with patient| -| -| Seoul|

|63cf8f8d53ee75182...|1300002.0|from other city| 9.0| true| Shincheonji Church| -| -| Gwangju|

|63cf8f8d53ee75182...|1700005.0| -| 3.0|false|contact with patient| -| -| Sejong|

|63cf8f8d53ee75182...|1500006.0|from other city| 2.0| true| Shincheonji Church| -| -| Daejeon|

|63cf8f8d53ee75182...|1500007.0|from other city| 2.0| true|Seosan-si Laboratory| -| -| Daejeon|

|63cf8f8d53ee75182...|2000004.0|from other city| 58.0| true| Richway| -| -| Gyeonggi-do|

|63cf8f8d53ee75182...|4100003.0| Seosan-si| 9.0| true|Seosan-si Laboratory|37.000354|126.354443|Chungcheongnam-do|

|63cf8f8d53ee75182...|6000007.0| Chilgok-gun| 36.0| true| Milal Shelter| 36.0581| 128.4941| Gyeongsangbuk-do|

|63cf8f8d53ee75182...|7000003.0| -| 4.0|false| etc| -| -| Jeju-do|

|63cf8f8d53ee75182...|2000002.0| Bucheon-si| 67.0| true|Coupang Logistics...|37.530579|126.775254| Gyeonggi-do|

|63cf8f8d53ee75182...|2000016.0|from other city| 6.0| true|Geumcheon-gu rice...| -| -| Gyeonggi-do|

|63cf8f8d53ee75182...|2000018.0|from other city| 5.0| true|Seoul City Hall S...| -| -| Gyeonggi-do|

|63cf8f8d53ee75182...|2000011.0| Anyang-si| 22.0| true|Anyang Gunpo Past...|37.381784| 126.93615| Gyeonggi-do|

|63cf8f8d53ee75182...|2000013.0| Anyang-si| 17.0| true| Lord Glory Church|37.403722|126.954939| Gyeonggi-do|

|63cf8f8d53ee75182...|6100006.0|Changnyeong-gun| 7.0| true|Changnyeong Coin ...| 35.54127| 128.5008| Gyeongsangnam-do|

|63cf8f8d53ee75182...|4000004.0|from other city| 6.0| true| Shincheonji Church| -| -|Chungcheongbuk-do|

|63cf8f8d53ee75182...|6100009.0|from other city| 2.0| true| Onchun Church| -| -| Gyeongsangnam-do|

|63cf8f8d53ee75182...|2000003.0|from other city| 59.0| true| Itaewon Clubs| -| -| Gyeonggi-do|

|63cf8f8d53ee75182...|2000021.0| -| 63.0|false|contact with patient| -| -| Gyeonggi-do|

|63cf8f8d53ee75182...|6000005.0|from other city| 41.0| true|Pilgrimage to Israel| -| -| Gyeongsangbuk-do|

|63cf8f8d53ee75182...|6000012.0| -| 190.0|false|contact with patient| -| -| Gyeongsangbuk-do|

|63cf8f8d53ee75182...|6100003.0| Jinju-si| 9.0| true| Wings Tower|35.164845|128.126969| Gyeongsangnam-do|

|63cf8f8e53ee75182...|1000004.0| Yangcheon-gu| 43.0| true|Yangcheon Table T...|37.546061|126.874209| Seoul|

|63cf8f8e53ee75182...|1000014.0| Gangnam-gu| 7.0| true|Samsung Medical C...| 37.48825| 127.08559| Seoul|

|63cf8f8e53ee75182...|1000024.0|Yeongdeungpo-gu| 3.0| true|Yeongdeungpo Lear...|37.520846|126.931278| Seoul|

|63cf8f8e53ee75182...|1000006.0| Guro-gu| 41.0| true|Manmin Central Ch...|37.481059|126.894343| Seoul|

|63cf8f8e53ee75182...|1000012.0| Seongdong-gu| 13.0| true| Seongdong-gu APT| 37.55713| 127.0403| Seoul|

|63cf8f8e53ee75182...|1000019.0|from other city| 1.0| true|Daejeon door-to-d...| -| -| Seoul|

|63cf8f8e53ee75182...|3000001.0|from other city| 17.0| true| Shincheonji Church| -| -| Gangwon-do|

|63cf8f8e53ee75182...|1100002.0|from other city| 12.0| true| Shincheonji Church| -| -| Busan|

|63cf8f8e53ee75182...|3000006.0| -| 16.0|false| overseas inflow| -| -| Gangwon-do|

|63cf8f8e53ee75182...|4000003.0|from other city| 2.0| true| Guro-gu Call Center| -| -|Chungcheongbuk-do|

|63cf8f8e53ee75182...|4100004.0|from other city| 3.0| true| Richway| -| -|Chungcheongnam-do|

|63cf8f8e53ee75182...|1600001.0|from other city| 16.0| true| Shincheonji Church| -| -| Ulsan|

|63cf8f8e53ee75182...|2000006.0|from other city| 50.0| true| Guro-gu Call Center| -| -| Gyeonggi-do|

|63cf8f8e53ee75182...|1000030.0| Gangseo-gu| 0.0| true|SJ Investment Cal...|37.559649|126.835102| Seoul|

|63cf8f8e53ee75182...|1000033.0|from other city| 2.0| true|Uiwang Logistics ...| -| -| Seoul|

|63cf8f8e53ee75182...|1200002.0| Dalseong-gun| 196.0| true|Second Mi-Ju Hosp...|35.857375|128.466651| Daegu|

|63cf8f8e53ee75182...|1500004.0| Seo-gu| 4.0| true| Dreaming Church|36.346869|127.368594| Daejeon|

|63cf8f8e53ee75182...|1000029.0| Gangnam-gu| 4.0| true|Samsung Fire & Ma...|37.498279|127.030139| Seoul|

|63cf8f8e53ee75182...|1200007.0|from other city| 2.0| true|Cheongdo Daenam H...| -| -| Daegu|

|63cf8f8e53ee75182...|4100008.0| -| 12.0|false| etc| -| -|Chungcheongnam-do|

|63cf8f8e53ee75182...|1300004.0| -| 5.0|false|contact with patient| -| -| Gwangju|

|63cf8f8e53ee75182...|1700006.0| -| 1.0|false| etc| -| -| Sejong|

|63cf8f8e53ee75182...|1000002.0| Gwanak-gu| 119.0| true| Richway| 37.48208|126.901384| Seoul|

+--------------------+---------+---------------+---------+-----+--------------------+---------+----------+-----------------+

only showing top 50 rows

+--------------+

|count(case\_id)|

+--------------+

| 174|

+--------------+

+--------------------+---------+---------------+---------+-----+--------------------+----------+-----------+-----------------+

| \_id| case\_id| city|confirmed|group| infection\_case| latitude| longitude| province|

+--------------------+---------+---------------+---------+-----+--------------------+----------+-----------+-----------------+

|63cf8f8d53ee75182...|1000005.0| Dobong-gu| 43.0| true| Day Care Center| 37.679422| 127.044374| Seoul|

|63cf8f8d53ee75182...|1000010.0| Gwanak-gu| 30.0| true| Wangsung Church| 37.481735| 126.930121| Seoul|

|63cf8f8d53ee75182...|1000011.0| Eunpyeong-gu| 14.0| true|Eunpyeong St. Mar...| 37.63369| 126.9165| Seoul|

|63cf8f8d53ee75182...|1000016.0| Seodaemun-gu| 5.0| true| Yeonana News Class| 37.558147| 126.943799| Seoul|

|63cf8f8d53ee75182...|1000034.0| -| 1.0| true| Orange Life| -| -| Seoul|

|63cf8f8d53ee75182...|1000037.0| -| 162.0|false|contact with patient| -| -| Seoul|

|63cf8f8d53ee75182...|1300002.0|from other city| 9.0| true| Shincheonji Church| -| -| Gwangju|

|63cf8f8d53ee75182...|1700005.0| -| 3.0|false|contact with patient| -| -| Sejong|

|63cf8f8d53ee75182...|1500006.0|from other city| 2.0| true| Shincheonji Church| -| -| Daejeon|

|63cf8f8d53ee75182...|1500007.0|from other city| 2.0| true|Seosan-si Laboratory| -| -| Daejeon|

|63cf8f8d53ee75182...|2000004.0|from other city| 58.0| true| Richway| -| -| Gyeonggi-do|

|63cf8f8d53ee75182...|4100003.0| Seosan-si| 9.0| true|Seosan-si Laboratory| 37.000354| 126.354443|Chungcheongnam-do|

|63cf8f8d53ee75182...|6000007.0| Chilgok-gun| 36.0| true| Milal Shelter| 36.0581| 128.4941| Gyeongsangbuk-do|

|63cf8f8d53ee75182...|7000003.0| -| 4.0|false| etc| -| -| Jeju-do|

|63cf8f8d53ee75182...|2000002.0| Bucheon-si| 67.0| true|Coupang Logistics...| 37.530579| 126.775254| Gyeonggi-do|

|63cf8f8d53ee75182...|2000016.0|from other city| 6.0| true|Geumcheon-gu rice...| -| -| Gyeonggi-do|

|63cf8f8d53ee75182...|2000018.0|from other city| 5.0| true|Seoul City Hall S...| -| -| Gyeonggi-do|

|63cf8f8d53ee75182...|2000011.0| Anyang-si| 22.0| true|Anyang Gunpo Past...| 37.381784| 126.93615| Gyeonggi-do|

|63cf8f8d53ee75182...|2000013.0| Anyang-si| 17.0| true| Lord Glory Church| 37.403722| 126.954939| Gyeonggi-do|

|63cf8f8d53ee75182...|6100006.0|Changnyeong-gun| 7.0| true|Changnyeong Coin ...| 35.54127| 128.5008| Gyeongsangnam-do|

|63cf8f8d53ee75182...|4000004.0|from other city| 6.0| true| Shincheonji Church| -| -|Chungcheongbuk-do|

|63cf8f8d53ee75182...|6100009.0|from other city| 2.0| true| Onchun Church| -| -| Gyeongsangnam-do|

|63cf8f8d53ee75182...|2000003.0|from other city| 59.0| true| Itaewon Clubs| -| -| Gyeonggi-do|

|63cf8f8d53ee75182...|2000021.0| -| 63.0|false|contact with patient| -| -| Gyeonggi-do|

|63cf8f8d53ee75182...|6000005.0|from other city| 41.0| true|Pilgrimage to Israel| -| -| Gyeongsangbuk-do|

|63cf8f8d53ee75182...|6000012.0| -| 190.0|false|contact with patient| -| -| Gyeongsangbuk-do|

|63cf8f8d53ee75182...|6100003.0| Jinju-si| 9.0| true| Wings Tower| 35.164845| 128.126969| Gyeongsangnam-do|

|63cf8f8e53ee75182...|1000004.0| Yangcheon-gu| 43.0| true|Yangcheon Table T...| 37.546061| 126.874209| Seoul|

|63cf8f8e53ee75182...|1000014.0| Gangnam-gu| 7.0| true|Samsung Medical C...| 37.48825| 127.08559| Seoul|

|63cf8f8e53ee75182...|1000024.0|Yeongdeungpo-gu| 3.0| true|Yeongdeungpo Lear...| 37.520846| 126.931278| Seoul|

|63cf8f8e53ee75182...|1000006.0| Guro-gu| 41.0| true|Manmin Central Ch...| 37.481059| 126.894343| Seoul|

|63cf8f8e53ee75182...|1000012.0| Seongdong-gu| 13.0| true| Seongdong-gu APT| 37.55713| 127.0403| Seoul|

|63cf8f8e53ee75182...|1000019.0|from other city| 1.0| true|Daejeon door-to-d...| -| -| Seoul|

|63cf8f8e53ee75182...|3000001.0|from other city| 17.0| true| Shincheonji Church| -| -| Gangwon-do|

|63cf8f8e53ee75182...|1100002.0|from other city| 12.0| true| Shincheonji Church| -| -| Busan|

|63cf8f8e53ee75182...|3000006.0| -| 16.0|false| overseas inflow| -| -| Gangwon-do|

|63cf8f8e53ee75182...|4000003.0|from other city| 2.0| true| Guro-gu Call Center| -| -|Chungcheongbuk-do|

|63cf8f8e53ee75182...|4100004.0|from other city| 3.0| true| Richway| -| -|Chungcheongnam-do|

|63cf8f8e53ee75182...|1600001.0|from other city| 16.0| true| Shincheonji Church| -| -| Ulsan|

|63cf8f8e53ee75182...|2000006.0|from other city| 50.0| true| Guro-gu Call Center| -| -| Gyeonggi-do|

|63cf8f8e53ee75182...|1000030.0| Gangseo-gu| 0.0| true|SJ Investment Cal...| 37.559649| 126.835102| Seoul|

|63cf8f8e53ee75182...|1000033.0|from other city| 2.0| true|Uiwang Logistics ...| -| -| Seoul|

|63cf8f8e53ee75182...|1200002.0| Dalseong-gun| 196.0| true|Second Mi-Ju Hosp...| 35.857375| 128.466651| Daegu|

|63cf8f8e53ee75182...|1500004.0| Seo-gu| 4.0| true| Dreaming Church| 36.346869| 127.368594| Daejeon|

|63cf8f8e53ee75182...|1000029.0| Gangnam-gu| 4.0| true|Samsung Fire & Ma...| 37.498279| 127.030139| Seoul|

|63cf8f8e53ee75182...|1200007.0|from other city| 2.0| true|Cheongdo Daenam H...| -| -| Daegu|

|63cf8f8e53ee75182...|4100008.0| -| 12.0|false| etc| -| -|Chungcheongnam-do|

|63cf8f8e53ee75182...|1300004.0| -| 5.0|false|contact with patient| -| -| Gwangju|

|63cf8f8e53ee75182...|1700006.0| -| 1.0|false| etc| -| -| Sejong|

|63cf8f8e53ee75182...|1000002.0| Gwanak-gu| 119.0| true| Richway| 37.48208| 126.901384| Seoul|

|63cf8f8e53ee75182...|1000013.0| Jongno-gu| 10.0| true|Jongno Community ...| 37.57681| 127.006| Seoul|

|63cf8f8e53ee75182...|1000009.0|from other city| 25.0| true|Coupang Logistics...| -| -| Seoul|

|63cf8f8e53ee75182...|1400006.0| -| 6.0|false|contact with patient| -| -| Incheon|

|63cf8f8e53ee75182...|1000020.0| Geumcheon-gu| 6.0| true|Geumcheon-gu rice...| -| -| Seoul|

|63cf8f8e53ee75182...|1000035.0| Guro-gu| 3.0| true| Daezayeon Korea| 37.486837| 126.893163| Seoul|

|63cf8f8e53ee75182...|1200009.0| -| 917.0|false|contact with patient| -| -| Daegu|

|63cf8f8e53ee75182...|1200010.0| -| 747.0|false| etc| -| -| Daegu|

|63cf8f8e53ee75182...|5000001.0|from other city| 2.0| true| Itaewon Clubs| -| -| Jeollabuk-do|

|63cf8f8e53ee75182...|6100005.0| Changwon-si| 7.0| true|Hanmaeum Changwon...| 35.22115| 128.6866| Gyeongsangnam-do|

|63cf8f8e53ee75182...|6000002.0| Cheongdo-gun| 119.0| true|Cheongdo Daenam H...| 35.64887| 128.7368| Gyeongsangbuk-do|

|63cf8f8e53ee75182...|5100003.0| -| 14.0|false| overseas inflow| -| -| Jeollanam-do|

|63cf8f8e53ee75182...|6100004.0| Geochang-gun| 8.0| true|Geochang-gun Woon...| 35.805681| 127.917805| Gyeongsangnam-do|

|63cf8f8e53ee75182...|1500005.0| Seo-gu| 3.0| true|Korea Forest Engi...| 36.358123| 127.388856| Daejeon|

|63cf8f8e53ee75182...|6100008.0|from other city| 2.0| true| Itaewon Clubs| -| -| Gyeongsangnam-do|

|63cf8f8e53ee75182...|1000021.0|from other city| 8.0| true| Shincheonji Church| -| -| Seoul|

|63cf8f8e53ee75182...|1000038.0| -| 100.0|false| etc| -| -| Seoul|

|63cf8f8e53ee75182...|1100006.0|from other city| 4.0| true| Itaewon Clubs| -| -| Busan|

|63cf8f8e53ee75182...|1100007.0|from other city| 1.0| true|Cheongdo Daenam H...| -| -| Busan|

|63cf8f8e53ee75182...|1500002.0| Seo-gu| 13.0| true|Dunsan Electronic...|36.3400973|127.3927099| Daejeon|

|63cf8f8e53ee75182...|6000001.0|from other city| 566.0| true| Shincheonji Church| -| -| Gyeongsangbuk-do|

|63cf8f8e53ee75182...|6000008.0| Gyeongsan-si| 17.0| true|Gyeongsan Jeil Si...| 35.84819| 128.7621| Gyeongsangbuk-do|

|63cf8f8e53ee75182...|1000015.0| Jung-gu| 7.0| true|Jung-gu Fashion C...| 37.562405| 126.984377| Seoul|

|63cf8f8e53ee75182...|1700002.0| Sejong| 8.0| true|gym facility in S...| 36.48025| 127.289| Sejong|

|63cf8f8e53ee75182...|2000005.0| Uijeongbu-si| 50.0| true|Uijeongbu St. Mar...| 37.758635| 127.077716| Gyeonggi-do|

|63cf8f8e53ee75182...|1600004.0| -| 7.0|false| etc| -| -| Ulsan|

|63cf8f8e53ee75182...|1500010.0| -| 15.0|false| etc| -| -| Daejeon|

|63cf8f8e53ee75182...|1700004.0| -| 5.0|false| overseas inflow| -| -| Sejong|

|63cf8f8e53ee75182...|1500008.0| -| 15.0|false| overseas inflow| -| -| Daejeon|

|63cf8f8e53ee75182...|2000009.0| -| 25.0| true|SMR Newly Planted...| -| -| Gyeonggi-do|

|63cf8f8e53ee75182...|4100001.0| Cheonan-si| 103.0| true|gym facility in C...| 36.81503| 127.1139|Chungcheongnam-do|

|63cf8f8e53ee75182...|6000013.0| -| 133.0|false| etc| -| -| Gyeongsangbuk-do|

|63cf8f8e53ee75182...|6000010.0| Gumi-si| 10.0| true| Gumi Elim Church| -| -| Gyeongsangbuk-do|

|63cf8f8e53ee75182...|4000002.0|from other city| 9.0| true| Itaewon Clubs| -| -|Chungcheongbuk-do|

|63cf8f8e53ee75182...|6000011.0| -| 22.0|false| overseas inflow| -| -| Gyeongsangbuk-do|

|63cf8f8e53ee75182...|2000015.0|from other city| 7.0| true|Korea Campus Crus...| -| -| Gyeonggi-do|

|63cf8f8e53ee75182...|3000004.0|from other city| 4.0| true| Richway| -| -| Gangwon-do|

|63cf8f8e53ee75182...|6100001.0|from other city| 32.0| true| Shincheonji Church| -| -| Gyeongsangnam-do|

|63cf8f8e53ee75182...|1400001.0|from other city| 53.0| true| Itaewon Clubs| -| -| Incheon|

|63cf8f8e53ee75182...|1000001.0| Yongsan-gu| 139.0| true| Itaewon Clubs| 37.538621| 126.992652| Seoul|

|63cf8f8e53ee75182...|1400003.0|from other city| 20.0| true| Guro-gu Call Center| -| -| Incheon|

|63cf8f8e53ee75182...|1100009.0| -| 19.0|false|contact with patient| -| -| Busan|

|63cf8f8e53ee75182...|6100010.0| -| 26.0|false| overseas inflow| -| -| Gyeongsangnam-do|

|63cf8f8e53ee75182...|7000001.0| -| 14.0|false| overseas inflow| -| -| Jeju-do|

|63cf8f8e53ee75182...|1000007.0|from other city| 36.0| true|SMR Newly Planted...| -| -| Seoul|

|63cf8f8e53ee75182...|1200004.0| Dalseong-gun| 101.0| true|Daesil Convalesce...| 35.857393| 128.466653| Daegu|

|63cf8f8e53ee75182...|1400004.0|from other city| 2.0| true| Shincheonji Church| -| -| Incheon|

|63cf8f8e53ee75182...|7000002.0| -| 0.0|false|contact with patient| -| -| Jeju-do|

|63cf8f8e53ee75182...|1300001.0| Dong-gu| 5.0| true| Gwangneuksa Temple| 35.136035| 126.956405| Gwangju|

|63cf8f8e53ee75182...|1500001.0| -| 55.0| true|Door-to-door sale...| -| -| Daejeon|

|63cf8f8e53ee75182...|1500003.0| Seo-gu| 7.0| true| Orange Town|36.3398739|127.3819744| Daejeon|

+--------------------+---------+---------------+---------+-----+--------------------+----------+-----------+-----------------+

only showing top 100 rows

+---------+-----------------+---------------+-----+---------+

| case\_id| province| city|group|confirmed|

+---------+-----------------+---------------+-----+---------+

|1200001.0| Daegu| Nam-gu| true| 4511.0|

|6000001.0| Gyeongsangbuk-do|from other city| true| 566.0|

|1200002.0| Daegu| Dalseong-gun| true| 196.0|

|1000001.0| Seoul| Yongsan-gu| true| 139.0|

|1200003.0| Daegu| Seo-gu| true| 124.0|

|1000002.0| Seoul| Gwanak-gu| true| 119.0|

|6000002.0| Gyeongsangbuk-do| Cheongdo-gun| true| 119.0|

|4100001.0|Chungcheongnam-do| Cheonan-si| true| 103.0|

|1200004.0| Daegu| Dalseong-gun| true| 101.0|

|1000003.0| Seoul| Guro-gu| true| 95.0|

+---------+-----------------+---------------+-----+---------+

+---+-------+----+---------+-----+--------------+--------+---------+--------+

|\_id|case\_id|city|confirmed|group|infection\_case|latitude|longitude|province|

+---+-------+----+---------+-----+--------------+--------+---------+--------+

+---+-------+----+---------+-----+--------------+--------+---------+--------+

+-------+--------------------+------------------+---------------+-----------------+--------------------+------------------+------------------+--------+

|summary| \_id| case\_id| city| confirmed| infection\_case| latitude| longitude|province|

+-------+--------------------+------------------+---------------+-----------------+--------------------+------------------+------------------+--------+

| count| 174| 174| 174| 174| 174| 174| 174| 174|

| mean| null|2686215.7586206896| null|65.48850574712644| null| 36.69405111076924|127.58514766615386| null|

| stddev| null|1943218.4834908631| null|355.0976538893974| null|0.9114662922487333|0.8228624672566539| null|

| min|63cf8f8d53ee75182...| 1000001.0| -| 0.0|Anyang Gunpo Past...| -| -| Busan|

| max|63cf8f8e53ee75182...| 7000004.0|from other city| 4511.0| overseas inflow| 37.758635| 129.1256| Ulsan|

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