Tables description:

| Field | Type | Null | Key | Default | Extra |

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

| Year | int | YES | MUL | NULL | |

| RGDP | decimal(5,3) | YES | | NULL | |

| NGDP | decimal(7,2) | YES | | NULL | |

| GDP\_pc | decimal(5,3) | YES | | NULL | |

| Inflation | decimal(5,3) | YES | | NULL | |

| Unemployment\_Rate | decimal(5,3) | YES | | NULL | |

| NET\_LB | decimal(5,3) | YES | | NULL | |

| Account\_Balance | decimal(5,3) | YES | | NULL | |

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

8 rows in set (0.05 sec)

Example of table after being filled:

mysql> select \* from Australia limit 5;

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

| Year | RGDP | NGDP | GDP\_pc | Inflation | Unemployment\_Rate | NET\_LB | Account\_Balance |

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

| 1999 | 4.459 | 526.96 | 3.279 | 1.767 | 6.867 | 0.667 | -5.484 |

| 2000 | 3.027 | 555.05 | 1.833 | 5.789 | 6.292 | 1.254 | -4.102 |

| 2001 | 2.612 | 582.04 | 1.313 | 3.146 | 6.775 | -0.030 | -2.253 |

| 2002 | 4.136 | 615.70 | 2.973 | 3.050 | 6.358 | 0.193 | -3.814 |

| 2003 | 2.784 | 644.59 | 1.634 | 2.445 | 5.942 | 1.054 | -5.355 |

mysql> select \* from lao;

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

| Year | RGDP | NGDP | GDP\_pc | Inflation | Unemployment\_Rate | NET\_LB | Account\_Balance |

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

| 1999 | 4.028 | 9.87 | 2.225 | 86.656 | 0.000 | 0.000 | -6.805 |

| 2000 | 6.429 | 10.74 | 4.662 | 10.560 | 0.000 | -3.576 | 1.459 |

| 2001 | 4.772 | 11.50 | 3.109 | 7.523 | 0.000 | -3.683 | -12.260 |

| 2002 | 6.809 | 12.47 | 5.182 | 15.189 | 0.000 | -2.850 | -9.340 |

| 2003 | 6.179 | 13.49 | 4.591 | 12.624 | 0.000 | -3.885 | -11.595 |

| 2004 | 7.187 | 14.85 | 5.567 | 8.663 | 0.000 | -1.810 | -13.886 |

| 2005 | 6.940 | 16.37 | 5.276 | 8.780 | 0.000 | -2.541 | -15.821 |

| 2006 | 8.954 | 18.38 | 7.194 | 4.546 | 0.000 | -1.482 | -9.308 |

| 2007 | 7.851 | 20.35 | 6.058 | 5.738 | 0.000 | -1.123 | -10.387 |

| 2008 | 7.822 | 22.37 | 6.009 | 3.167 | 0.000 | -1.858 | -15.602 |

| 2009 | 7.373 | 24.21 | 5.592 | 3.920 | 0.000 | -3.096 | -17.770 |

| 2010 | 8.018 | 26.45 | 6.280 | 5.774 | 0.000 | -1.469 | -16.486 |

| 2011 | 7.986 | 29.16 | 6.312 | 7.701 | 0.000 | -1.429 | -15.265 |

| 2012 | 7.805 | 32.04 | 6.183 | 4.733 | 0.000 | -2.343 | -21.317 |

| 2013 | 8.026 | 35.22 | 6.428 | 6.649 | 0.000 | -4.031 | -26.506 |

| 2014 | 7.612 | 38.60 | 6.016 | 2.399 | 0.000 | -3.132 | -23.273 |

| 2015 | 7.270 | 41.84 | 5.656 | 0.897 | 0.000 | -5.570 | -22.421 |

| 2016 | 7.023 | 45.24 | 5.387 | 2.487 | 0.000 | -5.060 | -11.009 |

| 2017 | 6.832 | 49.24 | 5.185 | 0.148 | 0.000 | -5.487 | -10.638 |

| 2018 | 6.308 | 53.62 | 4.675 | 1.482 | 0.000 | -4.663 | -11.974 |

| 2019 | 4.720 | 57.13 | 3.234 | 6.287 | 0.000 | -5.147 | -7.234 |

| 2020 | 0.723 | 57.91 | -0.707 | 6.300 | 0.000 | -6.233 | -10.890 |

| 2021 | 5.601 | 62.35 | 4.102 | 3.500 | 0.000 | -5.522 | -9.192 |

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

23 rows in set (0.00 sec)

“Null” values had to be exported as 0. Therefore, here are some queries to transform them again to “Null”. This is to avoid wrong statistics. Another option is to replace them by the mean value of the database. Chose the option best suited to your needs.

mysql> UPDATE lao SET Unemployment\_Rate = NULL WHERE Unemployment\_Rate = 0;

Query OK, 23 rows affected (0.12 sec)

Rows matched: 23 Changed: 23 Warnings: 0

mysql> UPDATE lao SET Net\_LB = NULL WHERE Net\_LB = 0;

Query OK, 1 row affected (0.12 sec)

Rows matched: 1 Changed: 1 Warnings: 0

The result should be the following:

mysql> select \* from lao;

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

| Year | RGDP | NGDP | GDP\_pc | Inflation | Unemployment\_Rate | NET\_LB | Account\_Balance |

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

| 1999 | 4.028 | 9.87 | 2.225 | 86.656 | NULL | NULL | -6.805 |

| 2000 | 6.429 | 10.74 | 4.662 | 10.560 | NULL | -3.576 | 1.459 |

| 2001 | 4.772 | 11.50 | 3.109 | 7.523 | NULL | -3.683 | -12.260 |

| 2002 | 6.809 | 12.47 | 5.182 | 15.189 | NULL | -2.850 | -9.340 |

| 2003 | 6.179 | 13.49 | 4.591 | 12.624 | NULL | -3.885 | -11.595 |

| 2004 | 7.187 | 14.85 | 5.567 | 8.663 | NULL | -1.810 | -13.886 |

| 2005 | 6.940 | 16.37 | 5.276 | 8.780 | NULL | -2.541 | -15.821 |

| 2006 | 8.954 | 18.38 | 7.194 | 4.546 | NULL | -1.482 | -9.308 |

| 2007 | 7.851 | 20.35 | 6.058 | 5.738 | NULL | -1.123 | -10.387 |

| 2008 | 7.822 | 22.37 | 6.009 | 3.167 | NULL | -1.858 | -15.602 |

| 2009 | 7.373 | 24.21 | 5.592 | 3.920 | NULL | -3.096 | -17.770 |

| 2010 | 8.018 | 26.45 | 6.280 | 5.774 | NULL | -1.469 | -16.486 |

| 2011 | 7.986 | 29.16 | 6.312 | 7.701 | NULL | -1.429 | -15.265 |

| 2012 | 7.805 | 32.04 | 6.183 | 4.733 | NULL | -2.343 | -21.317 |

| 2013 | 8.026 | 35.22 | 6.428 | 6.649 | NULL | -4.031 | -26.506 |

| 2014 | 7.612 | 38.60 | 6.016 | 2.399 | NULL | -3.132 | -23.273 |

| 2015 | 7.270 | 41.84 | 5.656 | 0.897 | NULL | -5.570 | -22.421 |

| 2016 | 7.023 | 45.24 | 5.387 | 2.487 | NULL | -5.060 | -11.009 |

| 2017 | 6.832 | 49.24 | 5.185 | 0.148 | NULL | -5.487 | -10.638 |

| 2018 | 6.308 | 53.62 | 4.675 | 1.482 | NULL | -4.663 | -11.974 |

| 2019 | 4.720 | 57.13 | 3.234 | 6.287 | NULL | -5.147 | -7.234 |

| 2020 | 0.723 | 57.91 | -0.707 | 6.300 | NULL | -6.233 | -10.890 |

| 2021 | 5.601 | 62.35 | 4.102 | 3.500 | NULL | -5.522 | -9.192 |

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

23 rows in set (0.00 sec)

Repeat the process for each table. Be aware that there is 1 NULL value in the ‘Inflation’ column from Japan.