Practical : 1

AIM: Data exploration and visualization using mathematical and statistical tools.

Program: Country's population during 2005 – 2014

	Country	Population
1.	China	13,342,720,000
2.	India	11,977,337,695
3.	United States	3,076,528,567
4.	Indonesia	2,388,914,104
5.	Brazil	1,942,727,085
6.	Pakistan	1,715,658,910
7.	Nigeria	1,581,543,983
8.	Bangladesh	1,505,724,822
9.	Russia	1,431,239,304
10.	Japan	1,277,657,187
11.	Mexico	1,171,995,858
12.	Philippines	928,015,615
13.	Vietnam	865,049,800
14.	Ethiopia	861,181,799
15.	Germany	816,660,185
16.	Egypt, Arab Rep.	774,898,116
17.	Iran, Islamic Rep.	741,370,460
18.	Turkey	717,433,466
19.	Thailand	663,980,173
20.	France	647,998,853
21.	United Kingdom	624,996,492
22.	Congo, Dem. Rep.	614,813,658
23.	Italy	592,240,787
24.	Myanmar	518,281,846
25.	South Africa	505,243,572

26.	Korea, Rep.	493,076,282
27.	Colombia	460,958,512
28.	Ukraine	460,736,350
29.	Spain	458,711,625
30.	Tanzania	445,001,595
31.	Kenya	404,908,428
32.	Argentina	402,107,118
33.	Poland	380,909,572
34.	Algeria	368,118,467
35.	Sudan	352,101,569

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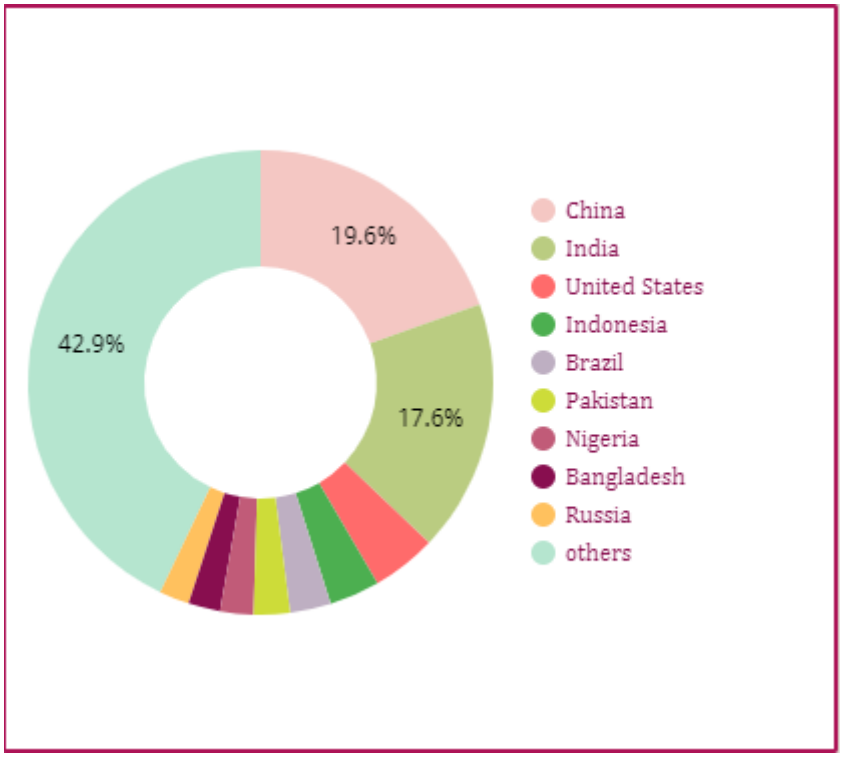
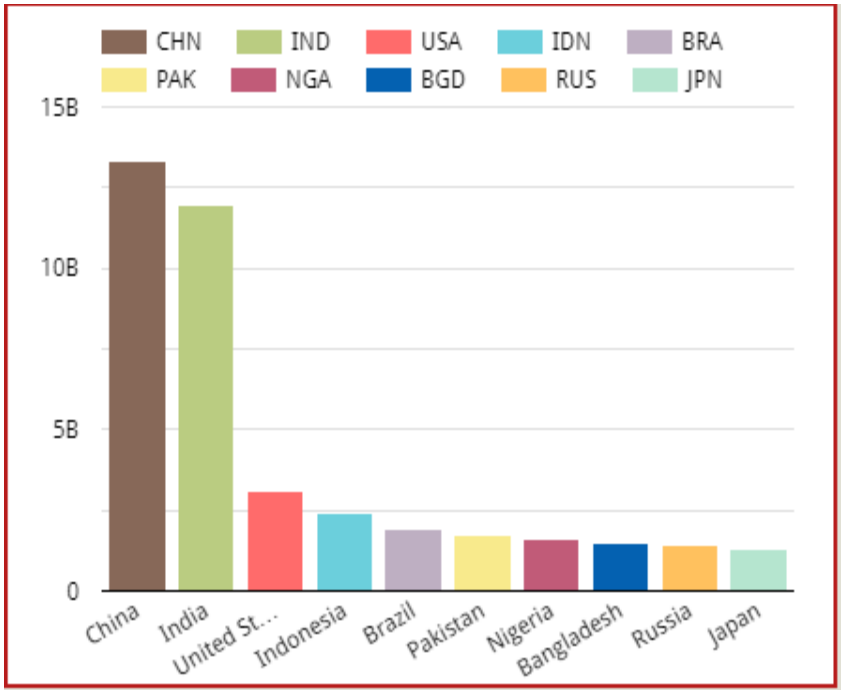
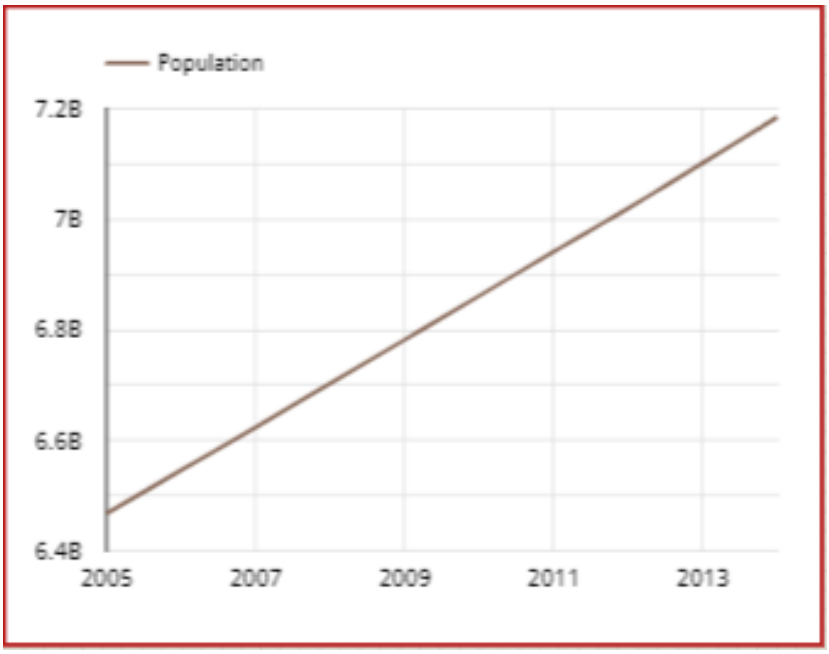
201.	Greenland	566,298
202.	American Samoa	565,509
203.	Cayman Islands	544,649
204.	Marshall Islands	523,762
205.	St. Kitts and Nevis	520,168
206.	Faeroe Islands	494,893
207.	Sint Maarten (Dutch ...	372,077
208.	Monaco	362,772
209.	Liechtenstein	359,792
210.	San Marino	307,770
211.	Turks and Caicos Isla...	304,438
212.	St. Martin (French pa...	299,024
213.	Palau	204,454
214.	Tuvalu	98,087
215.	Taiwan, China	null

Output:

- PIE CHART



- BAR CHART



- TIME SERIES CHART