

School enrollment, secondary **(% gross)**

Mobile cellular subscriptions **(per 100 people)**

GDP per capita **(current US\$)**

Year

2000

2015

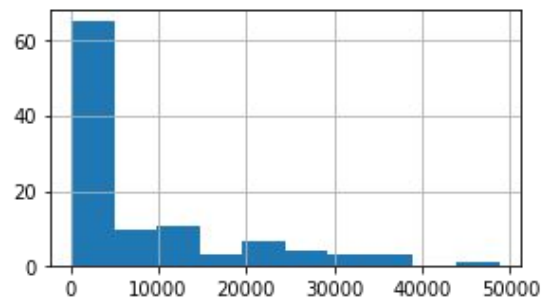
Dataframe

	CountryName	Region	ThirdWorld	Secondary2000	Secondary2015	GDP2000	GDP2015	MobileSubscription2000	MobileSubscription2015
0	Albania	Eastern Europe	0	71.07808	97.38848	1126.683318	3952.830781	0.952019	117.659218
1	Antigua and Barbuda	North America	0	79.66178	108.23020	10920.842690	14526.588080	28.941276	188.102516
2	Argentina	South America	0	95.93661	106.94650	7708.100996	13789.060420	17.596451	143.566834
3	Armenia	Western Asia	0	92.15199	86.00589	622.742139	3607.296697	0.569652	118.421714
4	Austria	Western Europe	0	98.69606	100.32100	24564.458290	44176.671740	75.806057	155.215471

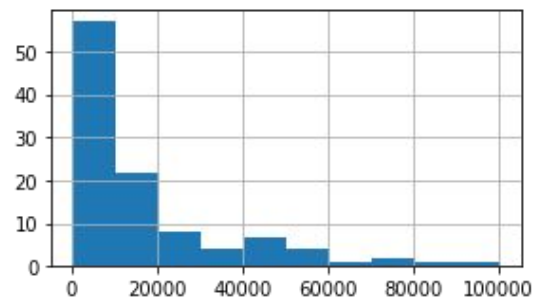
df.describe()

	ThirdWorld	Secondary2000	Secondary2015	GDP2000	GDP2015	MobileSubscription2000	MobileSubscription2015
count	107.000000	107.000000	107.000000	107.000000	107.000000	107.000000	107.000000
mean	0.177570	75.145444	90.245600	8279.796390	16696.558103	21.067550	112.733888
std	0.383949	32.370309	27.107262	10594.074033	20112.551173	24.900640	38.141996
min	0.000000	6.197350	20.093220	124.460800	360.853384	0.000000	29.451748
25%	0.000000	58.018090	80.318485	774.183139	3001.911981	0.880003	89.220627
50%	0.000000	82.507890	97.388480	3384.694861	9160.734157	9.227356	115.961225
75%	0.000000	96.523475	106.017900	11724.987970	21788.232020	31.764566	131.485319
max	1.000000	151.851160	163.934700	48735.995490	100428.368000	76.629522	314.921813

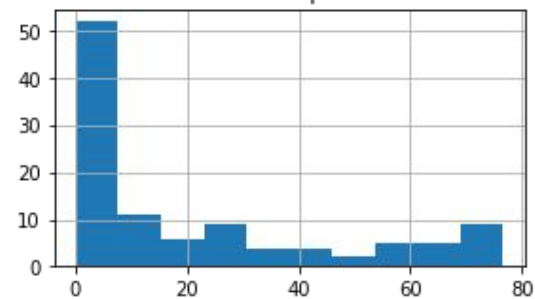
GDP2000



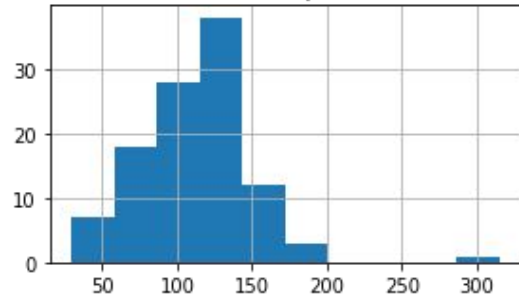
GDP2015



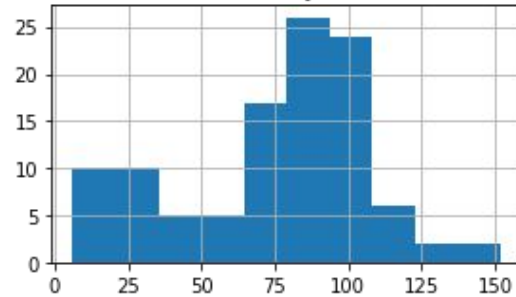
MobileSubscription2000



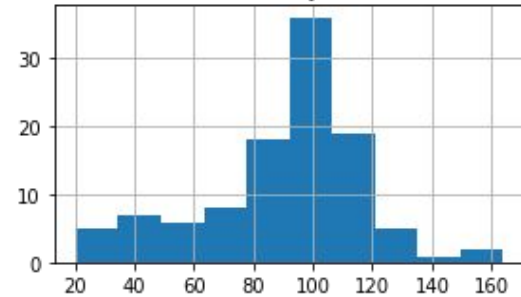
MobileSubscription2015



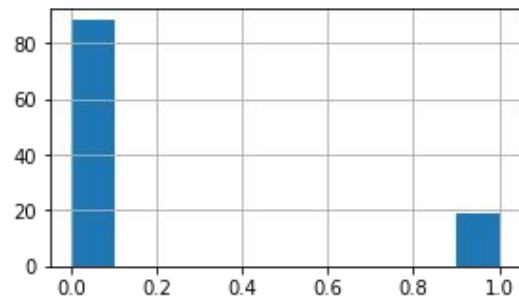
Secondary2000



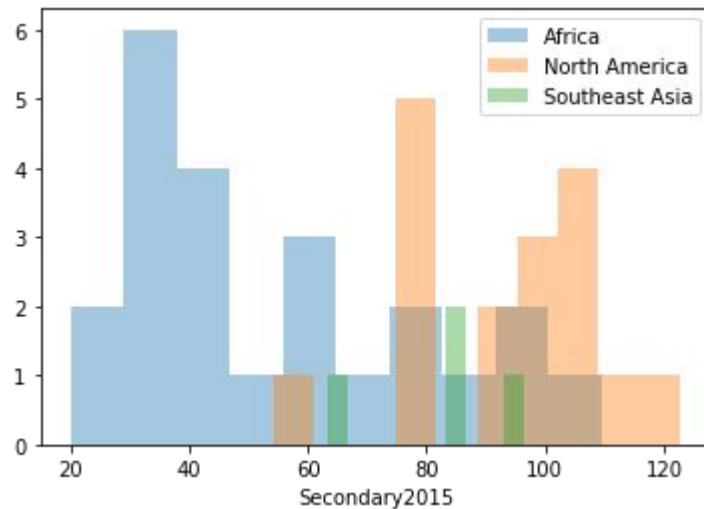
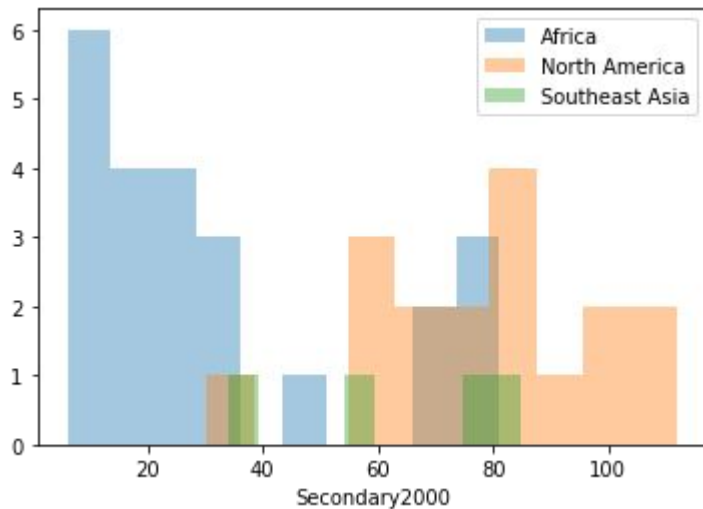
Secondary2015



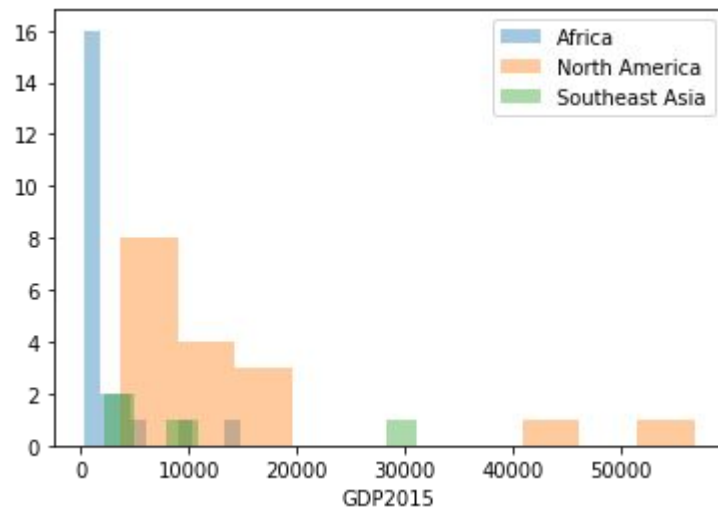
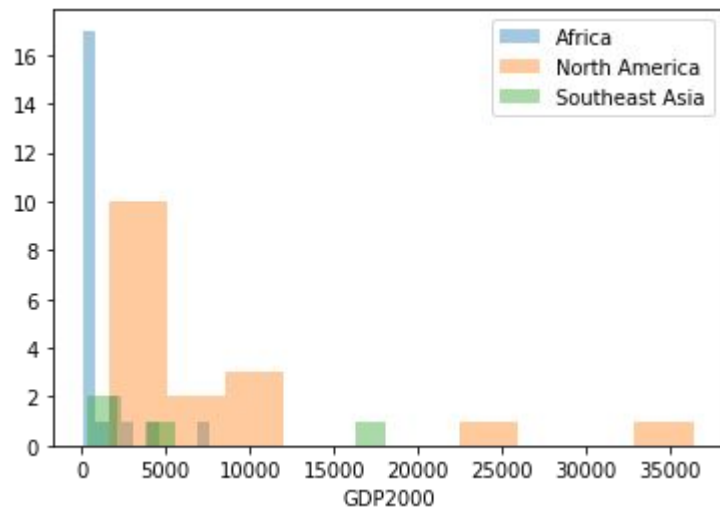
ThirdWorld



School enrollment, secondary

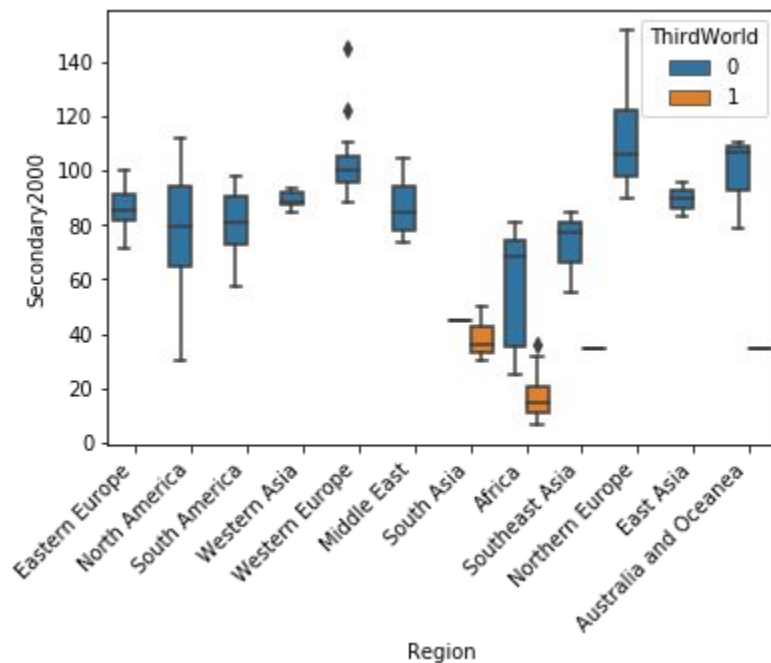
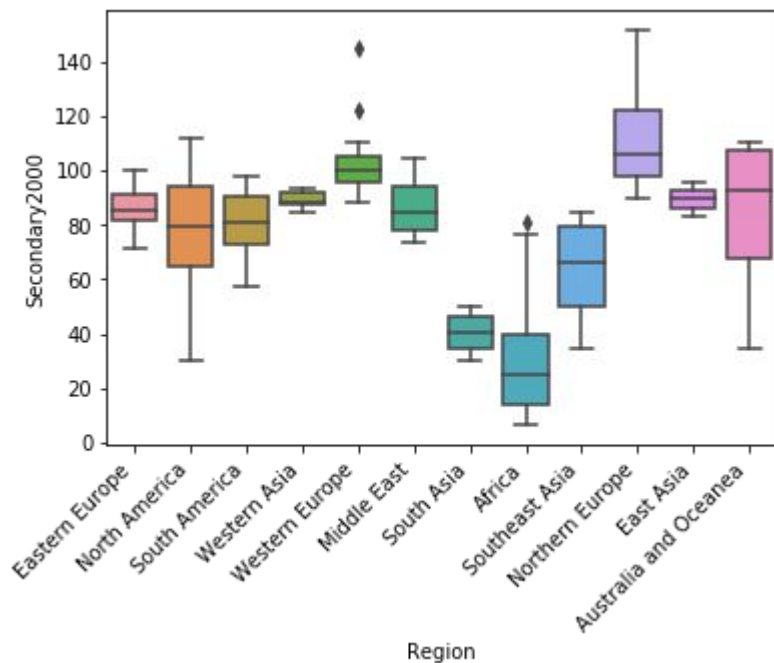


GDP per capita



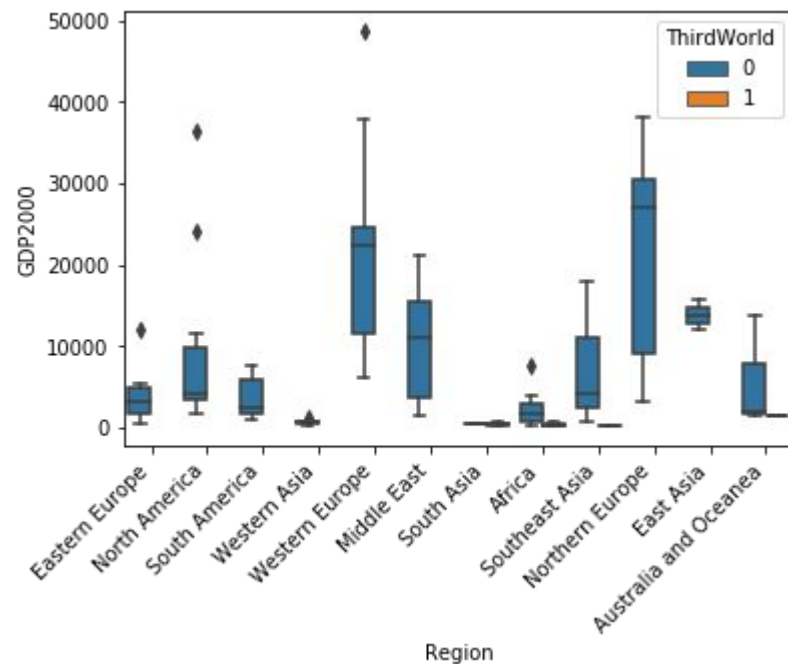
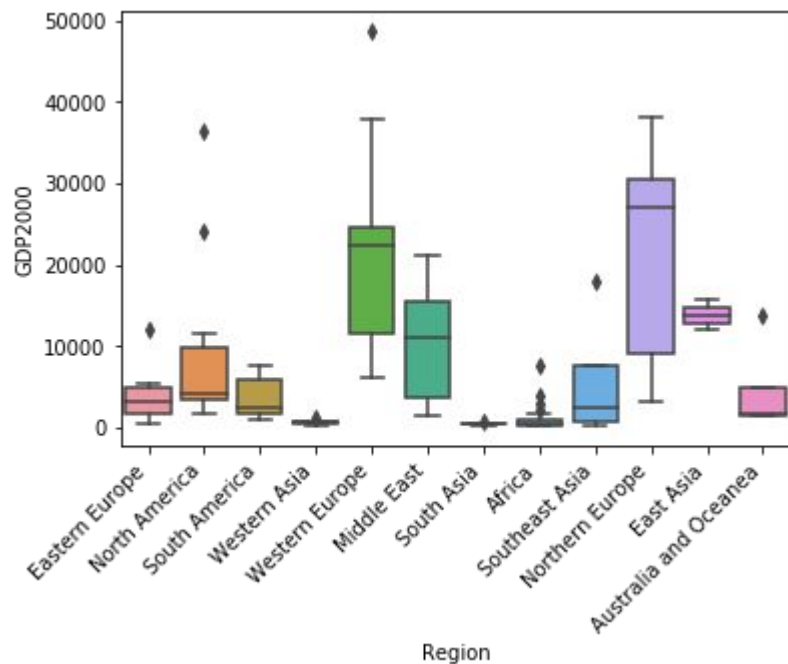
School enrollment, secondary

Year 2000

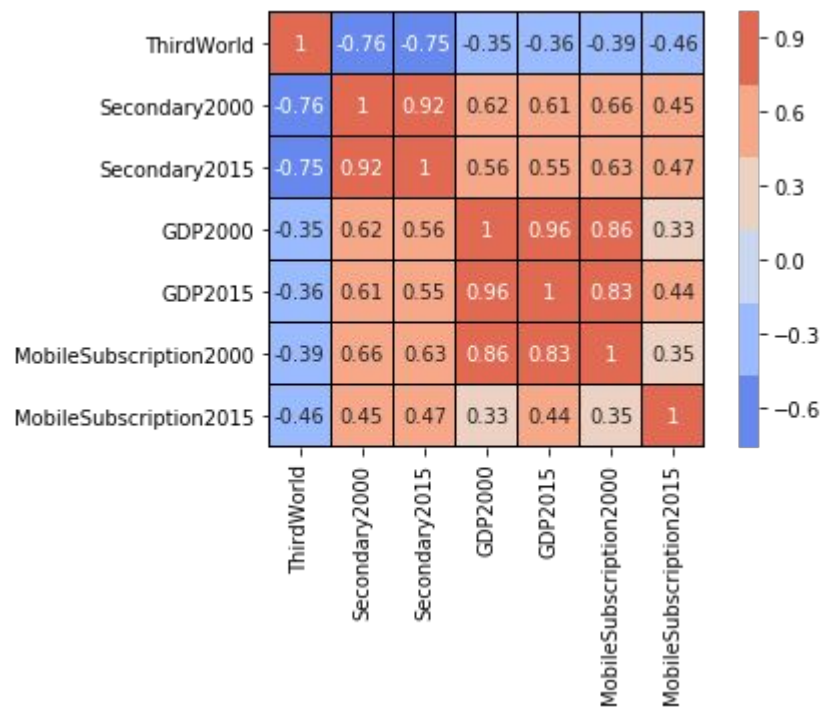


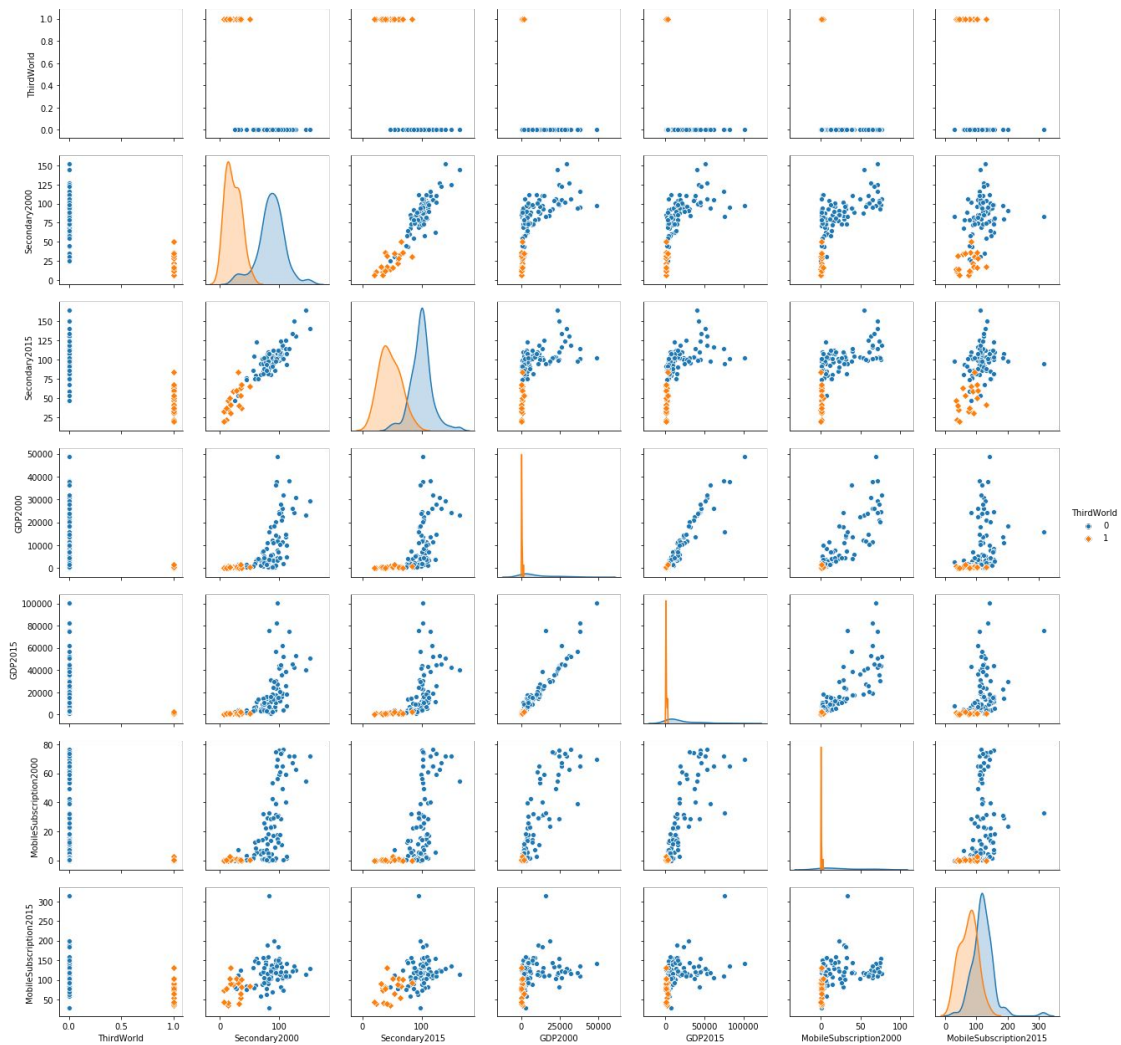
GDP per capita

Year 2000



Heatmap



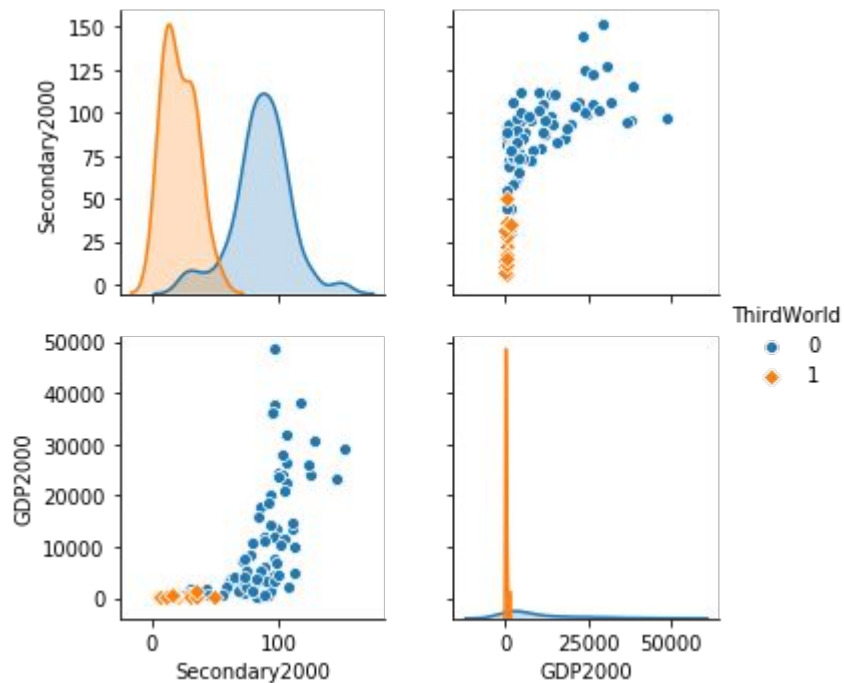


School enrollment, secondary

GDP per capita

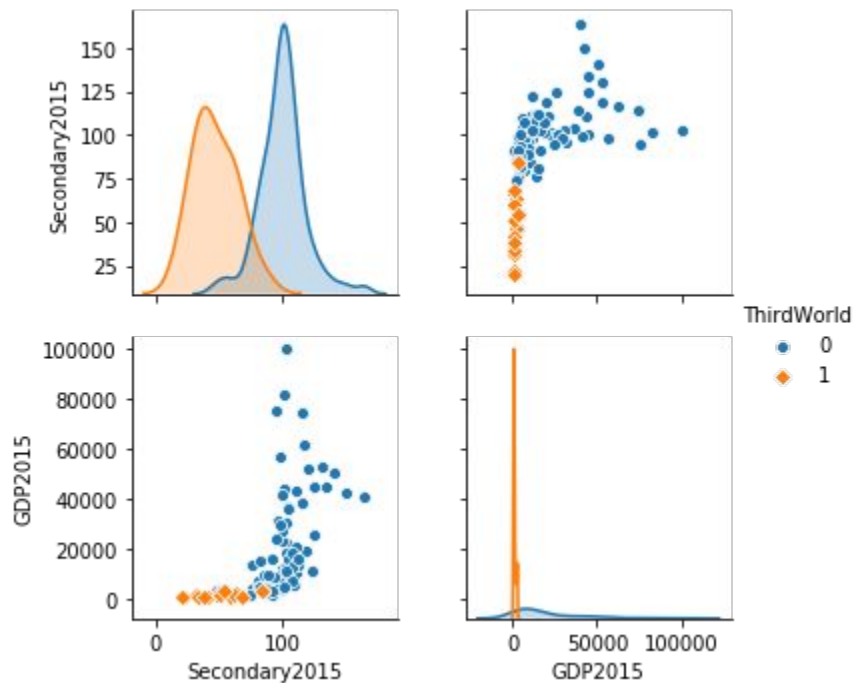
Secondary / GDP per capita

Year 2000



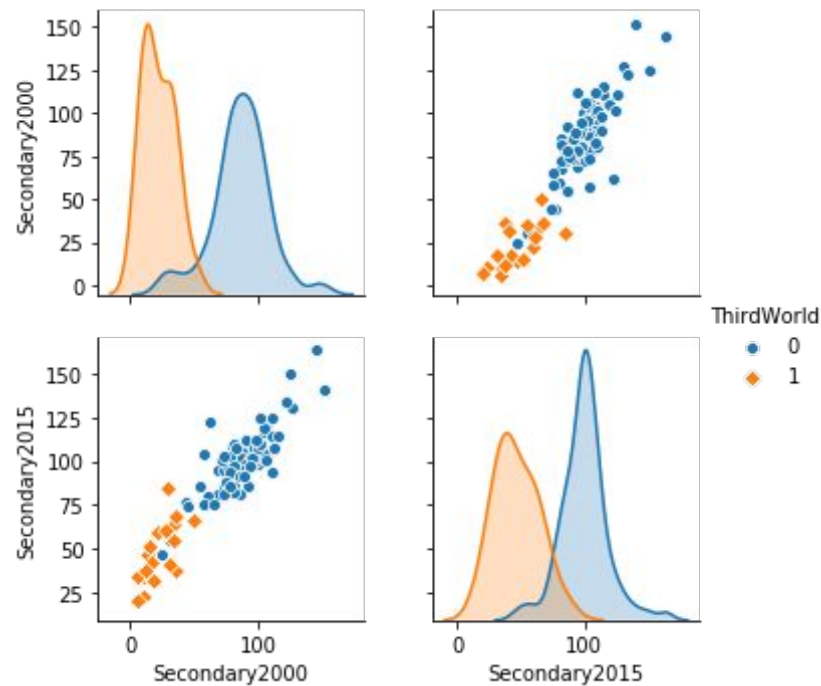
Secondary / GDP per capita

Year 2015



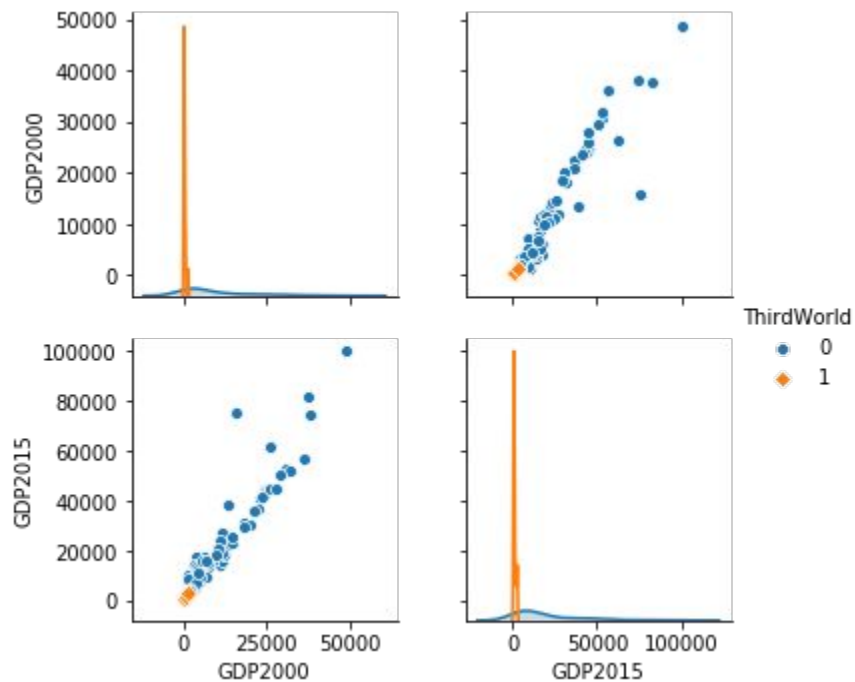
School enrollment, secondary

Year 2000 / 2015



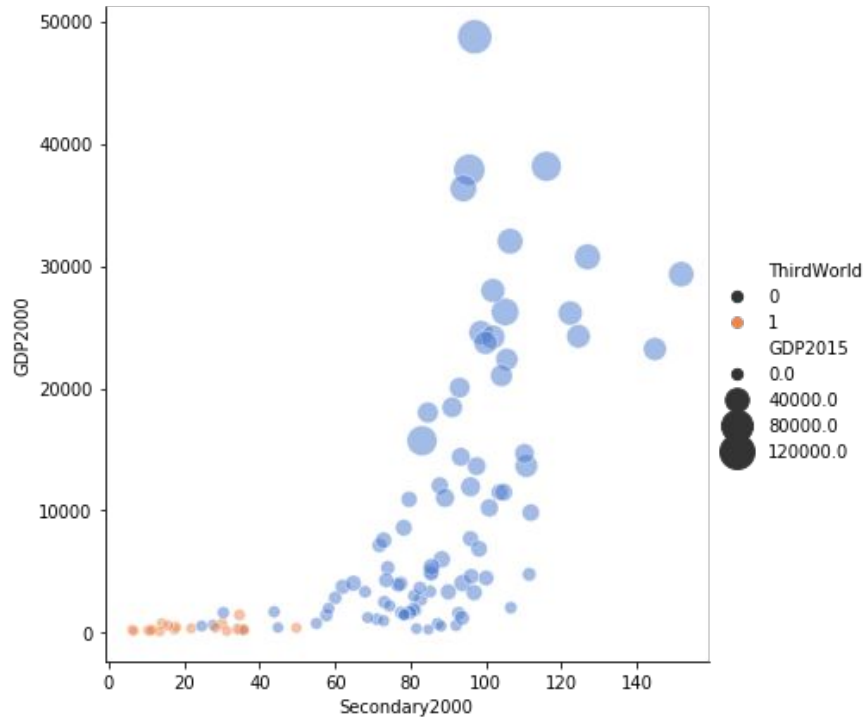
GDP per capita

Year 2000 / 2015



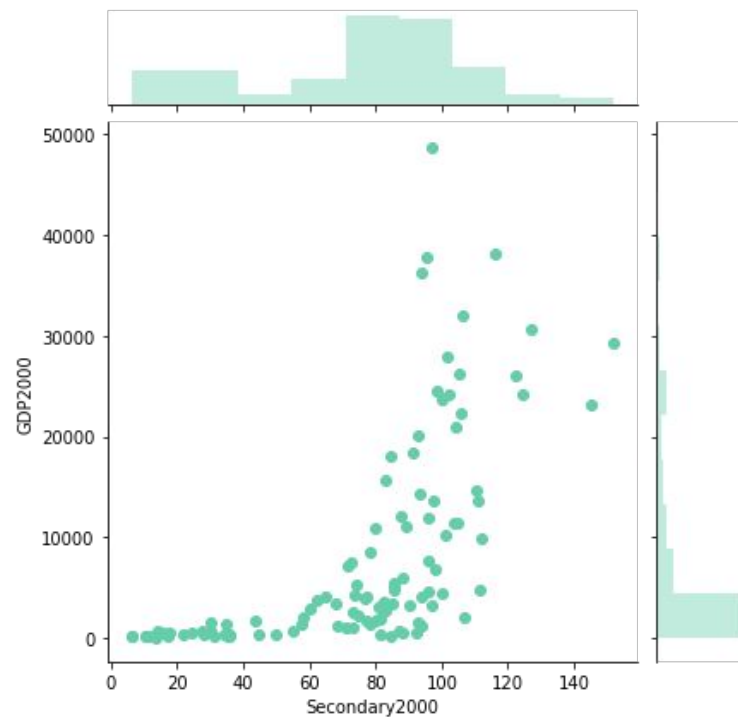
Secondary / GDP per capita

Year 2000



Secondary / GDP per capita

Year 2000



Dataframe

School enrollment, secondary

	Year	Africa	Australia and Oceania	East Asia	Eastern Europe	Middle East	North America	Northern Europe	South America	South Asia	Southeast Asia	Western Asia	Western Europe
0	1990	842.998	332.881	279.473	936.727	736.441	1033.765	989.317	494.865	169.671	257.779	399.555	1064.970
1	2000	1216.980	633.385	304.426	1055.015	949.101	1590.669	1113.766	686.125	211.716	305.443	518.814	1488.920
2	2010	1428.170	418.451	451.880	1333.258	937.814	2239.915	1079.306	967.480	416.560	410.354	465.377	1613.519
3	2011	1833.980	451.220	274.818	1336.939	941.486	2032.483	1075.157	979.787	430.693	369.361	456.362	1616.516
4	2012	1590.086	553.576	296.997	1432.003	938.755	1787.437	1080.005	988.083	447.639	384.017	369.721	1620.294
5	2013	1549.988	326.836	293.156	1365.681	1048.133	1855.804	1089.325	964.297	458.960	388.565	555.530	1321.121
6	2014	1775.198	585.520	294.472	1361.586	854.781	2165.266	1213.511	966.152	313.643	533.695	558.610	1334.718
7	2015	1701.209	670.226	389.567	1360.212	781.269	2083.628	1227.018	971.172	383.552	491.136	478.577	1576.245
8	2016	1652.110	626.334	302.601	1270.513	740.227	1822.875	1110.818	901.674	491.864	663.669	400.599	1691.902
9	2017	1538.244	264.902	305.680	983.402	761.883	1674.257	1258.097	912.716	497.311	672.005	404.803	1486.636

	Year	Africa	Australia and Oceania	East Asia	Eastern Europe	Middle East	North America	Northern Europe	South America	South Asia	Southeast Asia	Western Asia	Western Europe
0	1990	34	6	4	10	11	14	10	8	5	6	4	12
1	2000	34	9	4	12	12	20	10	9	5	6	6	15
2	2010	29	5	5	14	11	25	10	11	7	6	5	15
3	2011	38	5	3	14	11	23	10	11	7	5	5	15
4	2012	32	7	3	15	11	20	10	11	7	5	4	15
5	2013	29	3	3	14	12	21	9	10	7	5	6	12
6	2014	33	6	3	14	9	24	10	10	5	7	6	12
7	2015	33	7	4	14	8	23	10	10	6	6	5	14
8	2016	30	7	3	13	8	20	9	9	7	8	4	15
9	2017	28	2	3	10	8	18	10	9	7	8	4	13

Dataframe

School enrollment, secondary

	Year	Africa	Australia and Oceanea	East Asia	Eastern Europe	Middle East	North America	Northern Europe	South America	South Asia	Southeast Asia	Western Asia	Western Europe
0	1990	24.794	55.480	69.868	93.673	66.949	73.840	98.932	61.858	33.934	42.963	99.889	88.748
1	2000	35.794	70.376	76.107	87.918	79.092	79.533	111.377	76.236	42.343	50.907	86.469	99.261
2	2010	49.247	83.690	90.376	95.233	85.256	89.597	107.931	87.953	59.509	68.392	93.075	107.568
3	2011	48.263	90.244	91.606	95.496	85.590	88.369	107.516	89.072	61.528	73.872	91.272	107.768
4	2012	49.690	79.082	98.999	95.467	85.341	89.372	108.001	89.826	63.948	76.803	92.430	108.020
5	2013	53.448	108.945	97.719	97.549	87.344	88.372	121.036	96.430	65.566	77.713	92.588	110.093
6	2014	53.794	97.587	98.157	97.256	94.976	90.219	121.351	96.615	62.729	76.242	93.102	111.227
7	2015	51.552	95.747	97.392	97.158	97.659	90.593	122.702	97.117	63.925	81.856	95.715	112.589
8	2016	55.070	89.476	100.867	97.732	92.528	91.144	123.424	100.186	70.266	82.959	100.150	112.793
9	2017	54.937	132.451	101.893	98.340	95.235	93.014	125.810	101.413	71.044	84.001	101.201	114.357

Dataframe

GDP

	Year	Africa	Australia and Oceania	East Asia	Eastern Europe	Middle East	North America	Northern Europe	South America	South Asia	Southeast Asia	Western Asia	Western Europe
0	1990	53747.63	73866.77	56219.89	27925.38	115473.9	160635.7	190604.4	23102.85	3229.623	29510.45	7761.296	395905.5
1	2000	57297.96	85229.20	93379.96	46785.96	163870.6	315203.6	281414.4	39799.01	5457.734	49433.24	4876.187	499400.0
2	2010	136022.70	183813.30	158591.50	148954.10	297652.3	469309.5	575201.7	93940.55	16452.350	104673.50	28651.060	957659.7
3	2011	147760.00	205024.10	183410.40	162872.70	344062.6	504282.7	636078.1	103675.90	17893.120	127391.50	35378.300	1043882.0
4	2012	154210.40	221089.90	196653.80	153319.60	352945.9	509740.6	618722.1	109997.00	18080.960	131685.70	38377.450	967831.3
5	2013	155113.30	225808.40	205452.40	161641.70	353905.3	513930.0	650906.3	113851.80	19064.200	129827.30	41488.520	1039329.0
6	2014	151706.00	225450.80	211823.10	162045.70	347402.4	436073.3	677015.7	115863.80	20369.140	126746.90	41962.010	1070082.0
7	2015	127973.00	215672.70	191354.40	135938.60	287290.9	438419.6	603891.2	91489.74	21288.810	111910.30	34472.660	943226.3
8	2016	123141.50	216720.50	195830.70	138293.80	278263.6	441317.9	616632.8	87320.45	22005.700	109073.00	29925.220	954798.4
9	2017	131507.80	230658.40	207935.20	152246.30	294554.4	508780.1	465577.9	94234.53	23766.180	115231.50	31599.800	814715.9

	Year	Africa	Australia and Oceania	East Asia	Eastern Europe	Middle East	North America	Northern Europe	South America	South Asia	Southeast Asia	Western Asia	Western Europe
0	1990	50	14	6	10	15	26	8	12	7	7	8	16
1	2000	51	15	6	17	15	27	13	12	7	10	8	17
2	2010	53	17	6	17	15	28	13	12	8	10	8	17
3	2011	53	17	6	17	15	29	13	12	8	10	8	17
4	2012	52	17	6	17	15	29	13	12	8	10	8	17
5	2013	53	17	6	17	15	29	13	12	8	10	8	17
6	2014	53	17	6	17	15	28	13	12	8	10	8	17
7	2015	53	17	6	17	15	28	13	11	8	10	8	17
8	2016	53	17	6	17	15	28	13	11	8	10	8	17
9	2017	52	17	6	17	15	29	10	11	8	10	8	16

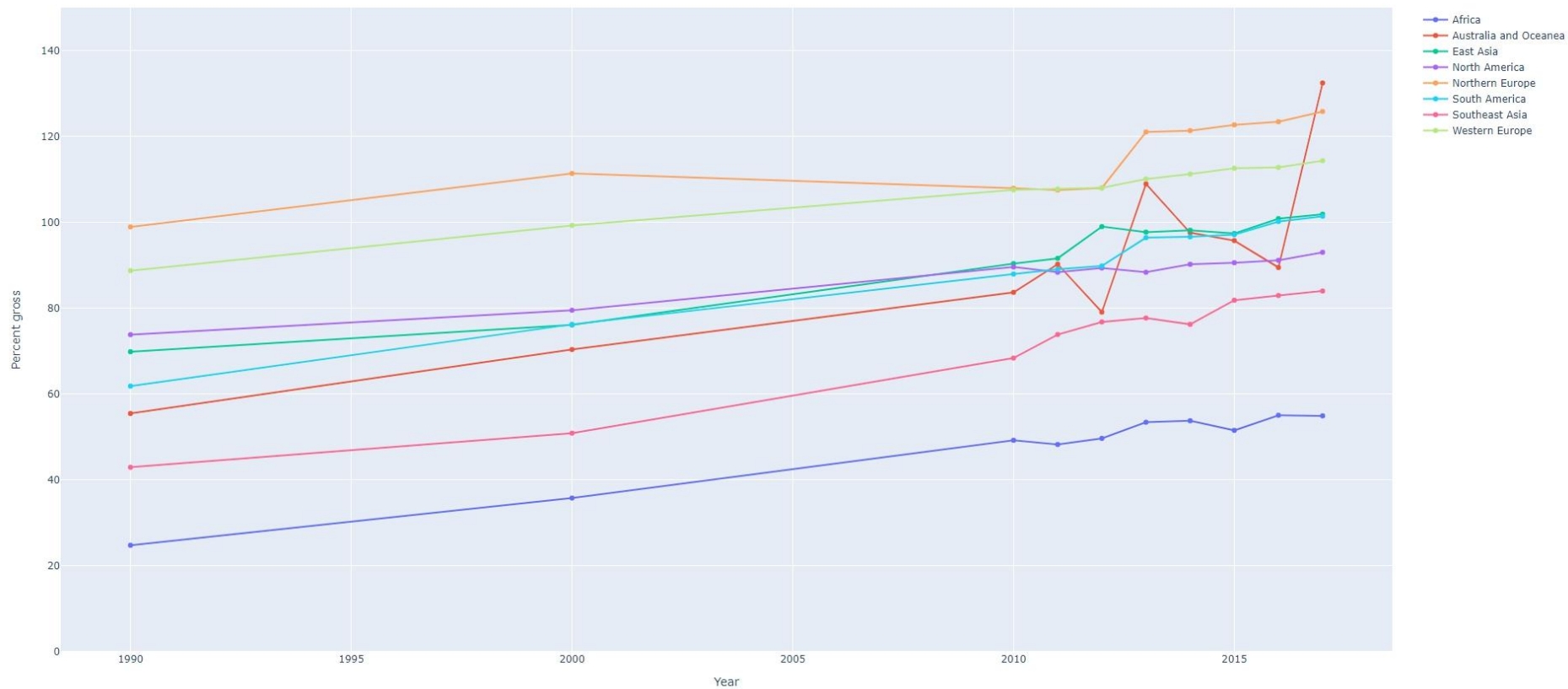
Dataframe

GDP

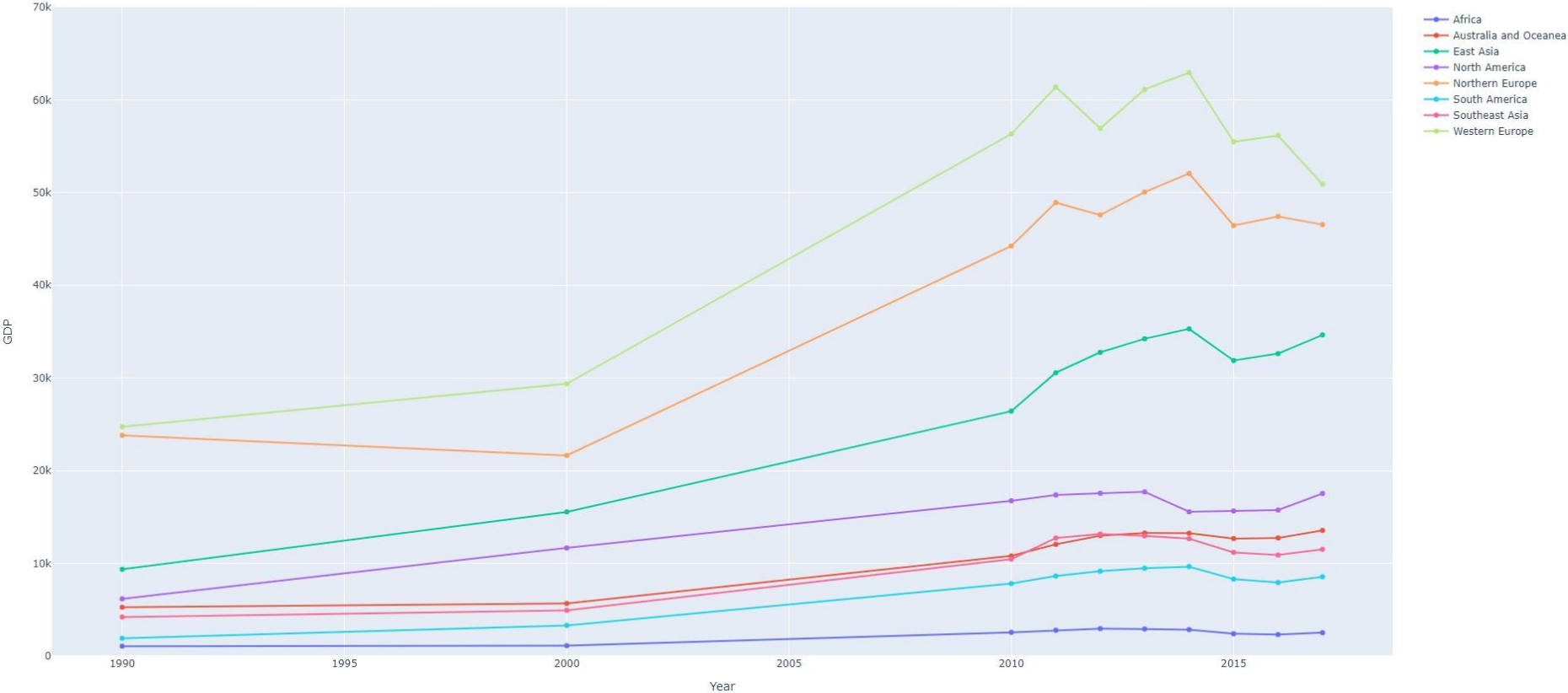
	Year	Africa	Australia and Oceania	East Asia	Eastern Europe	Middle East	North America	Northern Europe	South America	South Asia	Southeast Asia	Western Asia	Western Europe
0	1990	1074.953	5276.198	9369.982	2792.538	7698.260	6178.296	23825.550	1925.238	461.375	4215.779	970.162	24744.094
1	2000	1123.489	5681.947	15563.327	2752.115	10924.707	11674.207	21647.262	3316.584	779.676	4943.324	609.523	29376.471
2	2010	2566.466	10812.547	26431.917	8762.006	19843.487	16761.054	44246.285	7828.379	2056.544	10467.350	3581.383	56332.924
3	2011	2787.925	12060.241	30568.400	9580.747	22937.507	17389.059	48929.085	8639.658	2236.640	12739.150	4422.288	61404.824
4	2012	2965.585	13005.288	32775.633	9018.800	23529.727	17577.262	47594.008	9166.417	2260.120	13168.570	4797.181	56931.253
5	2013	2926.666	13282.847	34242.067	9508.335	23593.687	17721.724	50069.715	9487.650	2383.025	12982.730	5186.065	61137.000
6	2014	2862.377	13261.812	35303.850	9532.100	23160.160	15574.046	52078.131	9655.317	2546.143	12674.690	5245.251	62946.000
7	2015	2414.585	12686.629	31892.400	7996.388	19152.727	15657.843	46453.169	8317.249	2661.101	11191.030	4309.083	55483.900
8	2016	2323.425	12748.265	32638.450	8134.929	18550.907	15761.354	47433.292	7938.223	2750.713	10907.300	3740.653	56164.612
9	2017	2528.996	13568.141	34655.867	8955.665	19636.960	17544.141	46557.790	8566.775	2970.773	11523.150	3949.975	50919.744

Time-series

School enrollment, secondary between 1990-2017

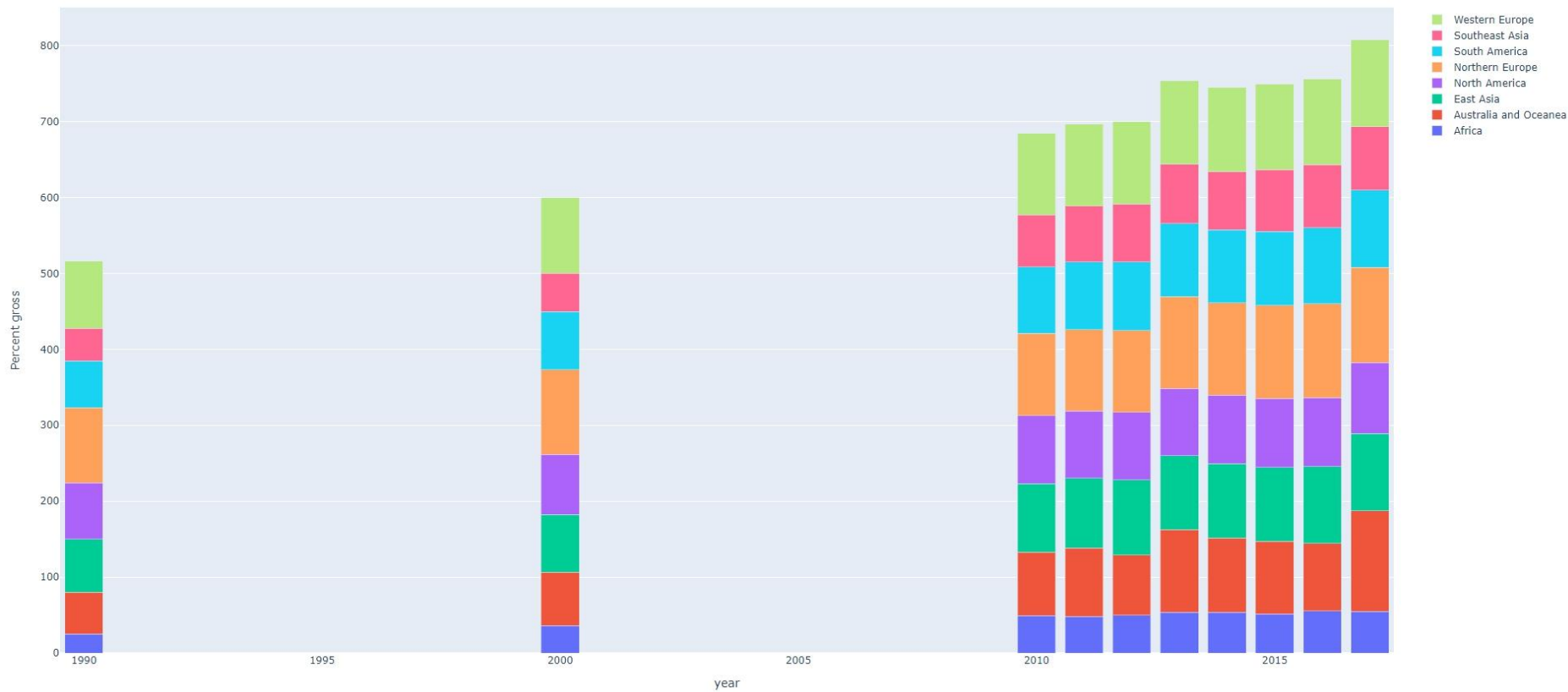


GDP between 1990-2017

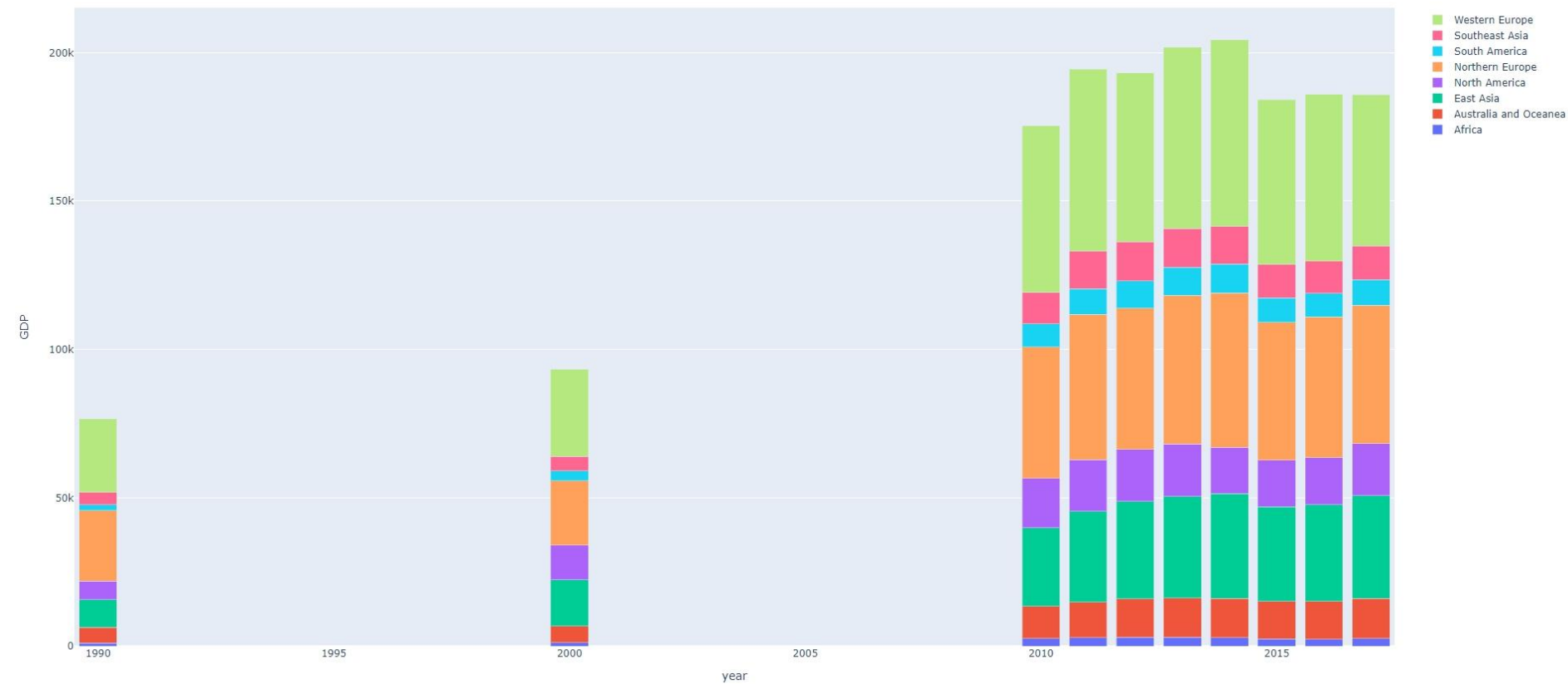


Part-to-whole

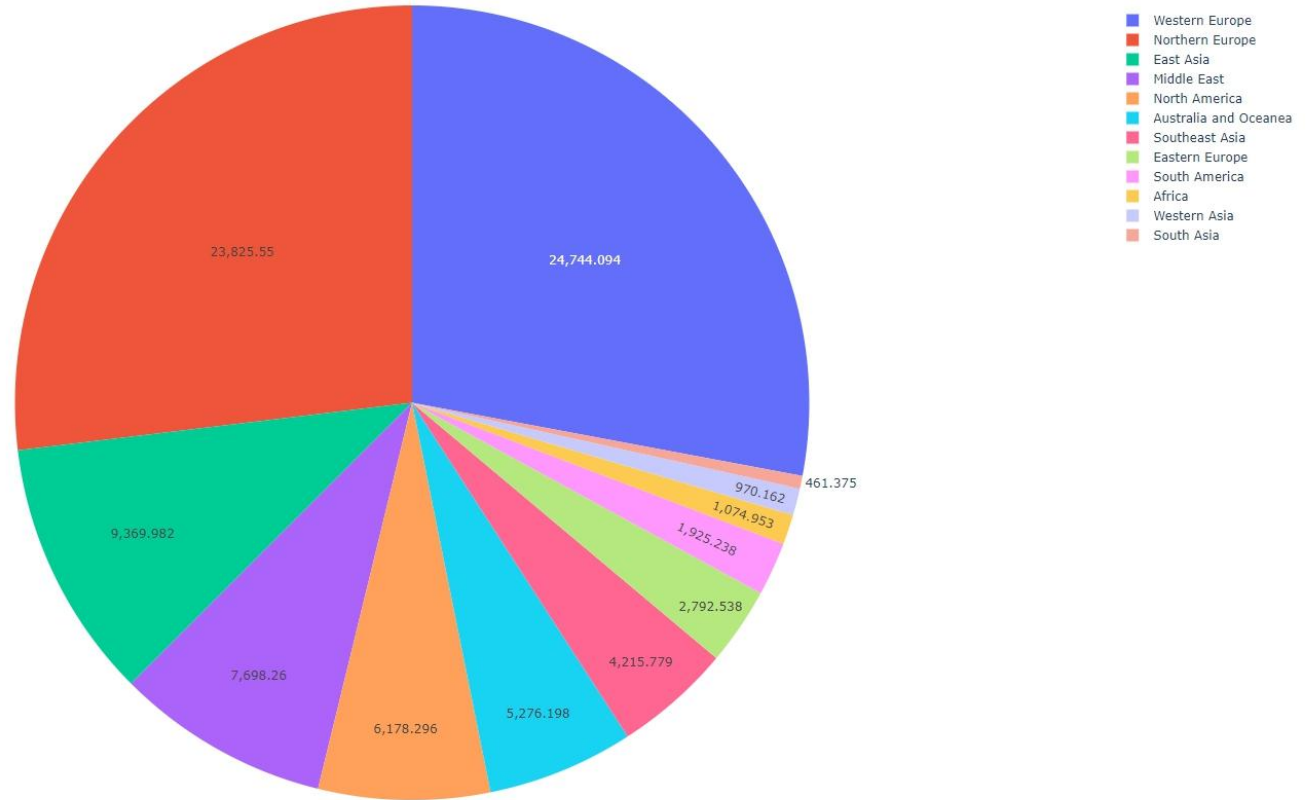
School enrollment, secondary between 1990-2017



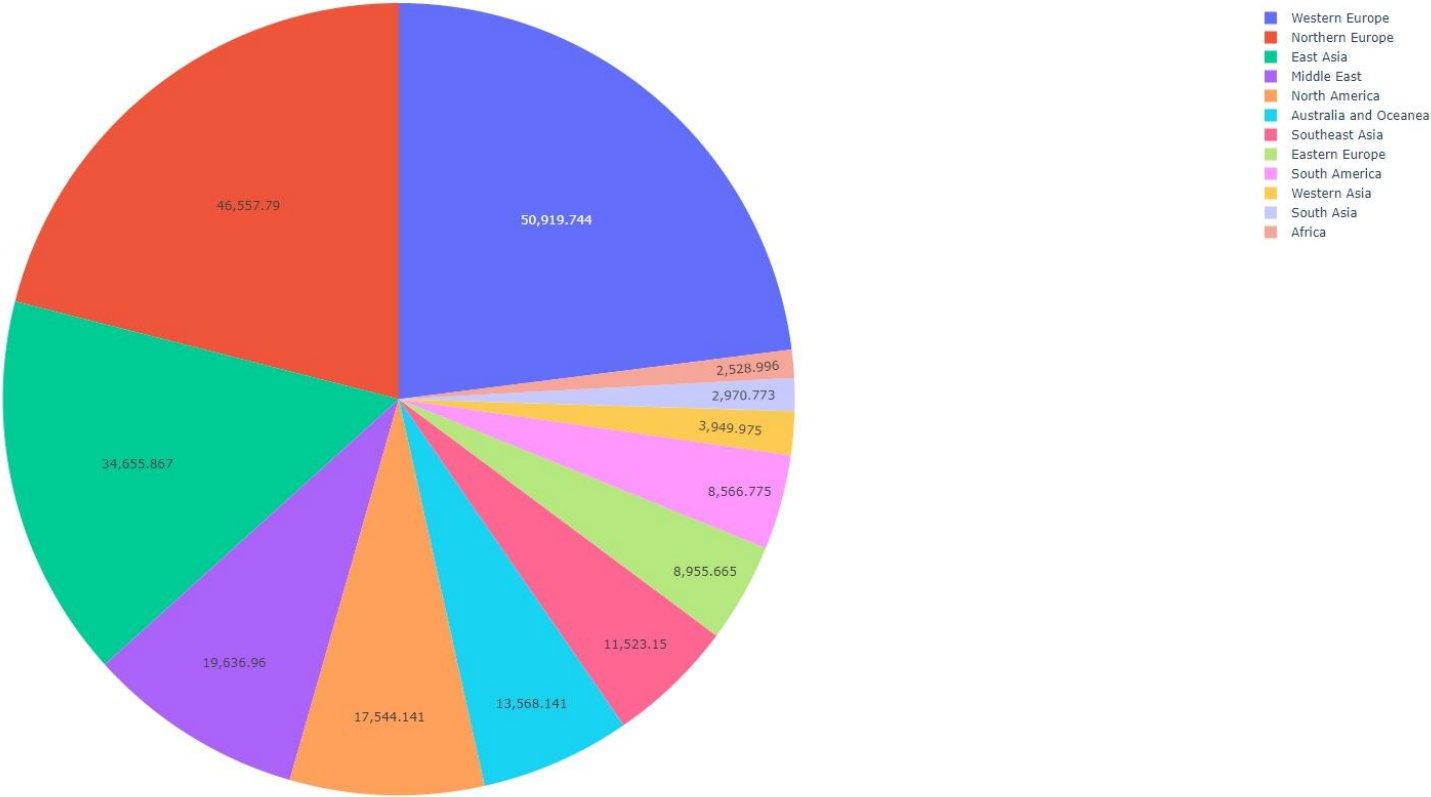
GDP between 1990-2017



GDP in 1990

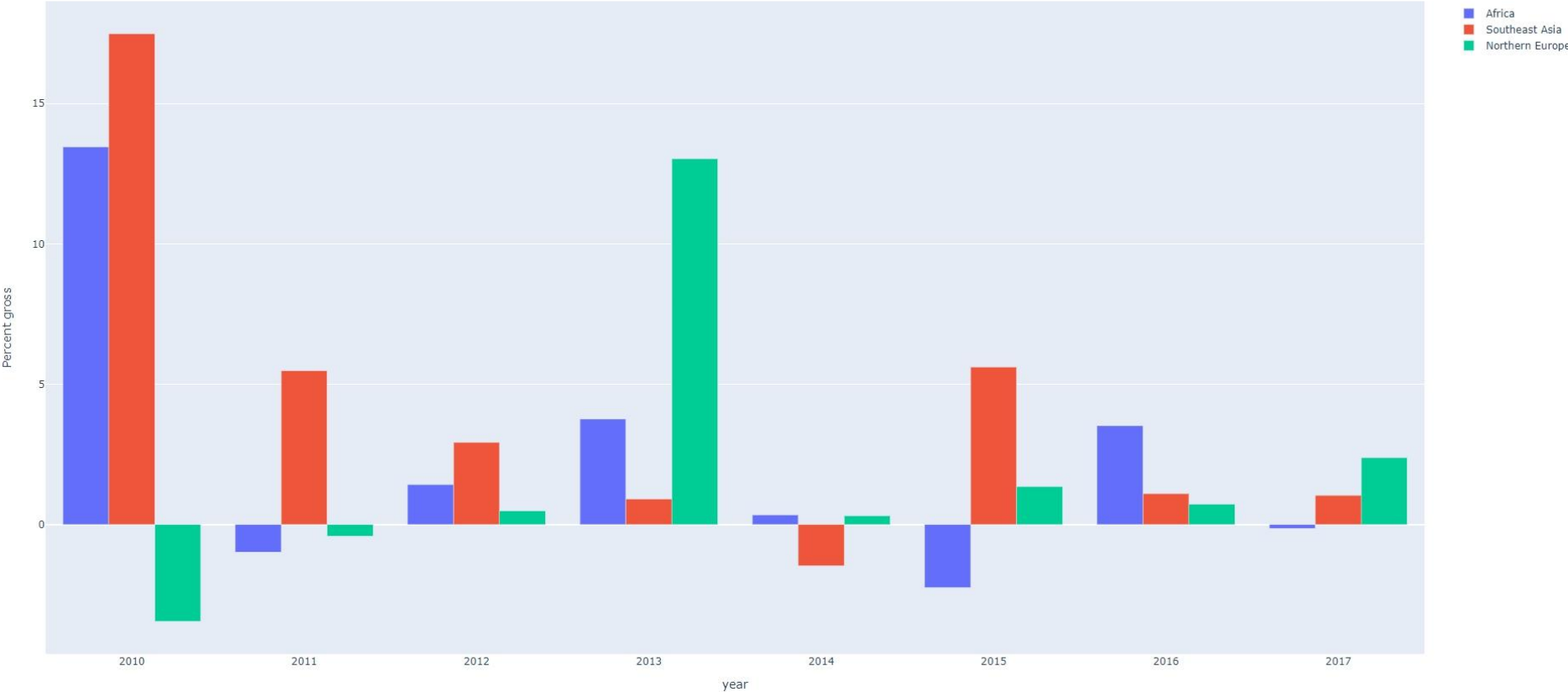


GDP in 2017



Deviation

School enrollment,secondary (percent gross) compare to last year



GDP compare to last year



Submitted by

Chitsanupong Voravijitchaikul

6010502543