Lo	Vod dono	Zachawayyania	70000	Populacja w 2020	Populacja w 2019	pulacja w 2019 Populacja z roku 2019 (w przedziałach wiekowych)									
Lp.	Kod - dane	Zachorowania	zgony	(źródło - covid)	(źródło - piramida)	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90+
1.	USA	1,298,287	78,652	331,002,651	329,064,917	39891845	42398071	46179065	43980069	40288440	42557686	37845098	23009234	10108211	2807198
2.	RUS	232,203	2,116	145,934,462	145,872,257	18561902	14795855	16599344	24452747	19983554	19449736	18094236	8266872	4869985	798026
3.	TUR	139,771	3,841	84,339,067	83,429,607	13501499	13585939	13087611	12748548	11221844	8664742	5968559	3216491	1294087	140287
4.	GER	170,608	7,533	83,783,942	83,517,045	7726915	7948424	9421661	10770439	10400203	13574883	10347526	7589596	4758437	978961
5.	UK	223,064	32,065	67,886,011	67,530,161	8065283	7569160	8630614	9203569	8624679	9138365	7206475	5673457	2762465	656094
6.	FRA	137,491	26,600	65,273,511	65,129,729	7606630	7857054	7415448	8007883	8408482	8600917	7758713	5456311	3129690	888601
7.	ITA	219,814	30,739	60,461,826	60,550,092	5103576	5740332	6135226	7100743	9225165	9453168	7391126	5935048	3626542	839166
8.	ESP	227,436	26,744	46,754,778	46,736,782	4340417	4682339	4652133	6158281	7935505	6944643	5200462	3921750	2318365	582887
9.	UKR	16,023	425	43,733,762	43,993,643	4688013	4279672	5165651	7259196	6313137	6006155	5470675	2961499	1603270	246375
10.	POL	16,326	811	37,846,611	37,887,770	3812694	3683606	4614458	6098806	5397403	4653080	5155357	2736204	1440736	295426
11.	ROU	15,588	983	19,237,691	19,364,558	1939134	2069083	2174981	2621141	3076100	2508724	2559619	1482916	815374	117486
12.	NED	42,788	5,456	17,134,872	17,097,122	1762690	1973468	2106722	2075858	2201959	2520370	2109482	1526904	680253	139416
13.	BEL	53,449	8,707	11,589,623	11,539,326	1305219	1298970	1395385	1498535	1524152	1601891	1347696	908725	535484	123269
14.	POR	27,679	1,128	10,196,709	10,226,178	856604	1029022	1076533	1253640	1587112	1472388	1282301	997530	565534	105514
15.	SWE	26,670	3,256	10,099,265	10,036,391	1191245	1106232	1304961	1289302	1277210	1280608	1097278	967449	416228	105878
16.	BLR	23,906	135	9,449,233	9,452,409	1134208	910479	1147255	1510155	1278833	1374474	1190629	533029	321280	52067
17.	AUT	15,926	628	9,006,398	8,955,108	863022	877100	1124426	1224528	1195561	1402944	1000416	789863	386547	90701
18.	ISR	16,526	258	8,655,535	8,519,372	1654530	1377821	1178880	1117905	1019070	779142	702437	430872	206028	52687
19.	SUI	30,261	1,542	8,654,622	8,591,361	875799	835663	1047321	1211148	1177086	1309842	953874	731996	361634	86998
20.	DEN	10,513	533	5,792,202	5,771,877	607866	679998	774991	662575	752091	803945	657184	566946	216587	49694
21.	IRE	23,135	1,467	4,937,786	4,882,498	683362	653400	559110	710607	747666	587995	473864	314560	127022	24912
		Równanie reg	gresji (v	względem) wielu	u zmiennych z no	tatki 8:	β	$=(X^TX)$	$^{-1}X^{T}Y^{-}$						
				,	,										
				Kraj			Maci	erz X (lud	ność w p	rzedziała	ch wieko	wych):			
				USA	1	39891845	42398071	46179065	43980069	40288440	42557686	37845098	23009234	10108211	2807198
				RUS	1	18561902	14795855	16599344	24452747	19983554	19449736	18094236	8266872	4869985	798026
				TUR	1	13501499	13585939	13087611	12748548	11221844	8664742	5968559	3216491	1294087	140287
				GER	1	7726915	7948424	9421661	10770439	10400203	13574883	10347526	7589596	4758437	978961
				UK	1	8065283	7569160	8630614	9203569	8624679	9138365	7206475	5673457	2762465	656094
				FRA	1	7606630	7857054	7415448	8007883	8408482	8600917	7758713	5456311	3129690	888601
				ITA	1	5103576	5740332	6135226	7100743	9225165	9453168	7391126	5935048	3626542	839166
				ESP	1	4340417	4682339	4652133	6158281	7935505	6944643	5200462	3921750	2318365	582887
				UKR	1	4688013	4279672	5165651	7259196	6313137	6006155	5470675	2961499	1603270	246375

POL	1	3812694	3683606	4614458	6098806	5397403	4653080	5155357	2736204	1440736	295426
ROU	1	1939134	2069083	2174981	2621141	3076100	2508724	2559619	1482916	815374	117486
NED	1	1762690	1973468	2106722	2075858	2201959	2520370	2109482	1526904	680253	139416
BEL	1	1305219	1298970	1395385	1498535	1524152	1601891	1347696	908725	535484	123269
POR	1	856604	1029022	1076533	1253640	1587112	1472388	1282301	997530	565534	105514
SWE	1	1191245	1106232	1304961	1289302	1277210	1280608	1097278	967449	416228	105878
BLR	1	1134208	910479	1147255	1510155	1278833	1374474	1190629	533029	321280	52067
AUT	1	863022	877100	1124426	1224528	1195561	1402944	1000416	789863	386547	90701
ISR	1	1654530	1377821	1178880	1117905	1019070	779142	702437	430872	206028	52687
SUI	1	875799	835663	1047321	1211148	1177086	1309842	953874	731996	361634	86998
DEN	1	607866	679998	774991	662575	752091	803945	657184	566946	216587	49694
IRE	1	683362	653400	559110	710607	747666	587995	473864	314560	127022	24912
Kraj	Wektor Y1 ((Zachorowa	ania):	Wekt	or Y2 (Zgo	ony):	Grupa	Indeks	B1	В2	
-		-			-		-	b0	-7707.00	-1678.05	
USA	1,	298,287		78,652			0-9	b1	0.10	0.01	
RUS	2	32,203		2,116		10-19	b2	-0.17	-0.01		
TUR	1	39,771		3,841			20-29	b3	0.11	0.00	
GER	1	170,608 223,064 137,491 219,814 227,436			7,533		30-39	b4	-0.14	-0.01	
UK	2			32,065 26,600 30,739		40-49	b5	0.09	0.01		
FRA	1					50-59	b6	0.09	0.00		
ITA	2					60-69	b7	0.00	0.00		
ESP	2				26,744 425 811		70-79	b8	-0.06	0.01	
UKR		16,023	6,023				80-89	b9	-0.22	-0.02	
POL		16,326					90+	b10	0.53	0.05	
ROU	1	15,588			983						
NED	4	12,788			5,456						
BEL	Į.	53,449	3,449		8,707						
POR	2	27,679			1,128						
SWE		26,670			3,256						
BLR		23,906 15,926 16,526		135 628 258							
AUT	<u>:</u>										
ISR											
SUI	3	30,261			1,542						
DEN	:	10,513			533						
IRE		23,135			1,467						

						Dane p	rocento	we							
l in	Mad dana	Zachawannania	7	Populacja w 2020	Populacja w 2019			Popul	acja z roku	2019 (w p	rzedziałac	h wiekowy	ych)		
Lp.	Koa - dane	Zachorowania	Zgony	(źródło - covid)	(źródło - piramida)	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90+
1.	USA	0.392%	0.024%	331,002,651	329,064,917	12.12%	12.88%	14.03%	13.37%	12.24%	12.93%	11.50%	6.99%	3.07%	0.85%
2.	RUS	0.159%	0.001%	145,934,462	145,872,257	12.72%	10.14%	11.38%	16.76%	13.70%	13.33%	12.40%	5.67%	3.34%	0.55%
3.	TUR	0.166%	0.005%	84,339,067	83,429,607	16.18%	16.28%	15.69%	15.28%	13.45%	10.39%	7.15%	3.86%	1.55%	0.17%
4.	GER	0.204%	0.009%	83,783,942	83,517,045	9.25%	9.52%	11.28%	12.90%	12.45%	16.25%	12.39%	9.09%	5.70%	1.17%
5.	UK	0.329%	0.047%	67,886,011	67,530,161	11.94%	11.21%	12.78%	13.63%	12.77%	13.53%	10.67%	8.40%	4.09%	0.97%
6.	FRA	0.211%	0.041%	65,273,511	65,129,729	11.68%	12.06%	11.39%	12.30%	12.91%	13.21%	11.91%	8.38%	4.81%	1.36%
7.	ITA	0.364%	0.051%	60,461,826	60,550,092	8.43%	9.48%	10.13%	11.73%	15.24%	15.61%	12.21%	9.80%	5.99%	1.39%
8.	ESP	0.486%	0.057%	46,754,778	46,736,782	9.29%	10.02%	9.95%	13.18%	16.98%	14.86%	11.13%	8.39%	4.96%	1.25%
9.	UKR	0.037%	0.001%	43,733,762	43,993,643	10.66%	9.73%	11.74%	16.50%	14.35%	13.65%	12.44%	6.73%	3.64%	0.56%
10.	POL	0.043%	0.002%	37,846,611	37,887,770	10.06%	9.72%	12.18%	16.10%	14.25%	12.28%	13.61%	7.22%	3.80%	0.78%
11.	ROU	0.081%	0.005%	19,237,691	19,364,558	10.01%	10.68%	11.23%	13.54%	15.89%	12.96%	13.22%	7.66%	4.21%	0.61%
12.	NED	0.250%	0.032%	17,134,872	17,097,122	10.31%	11.54%	12.32%	12.14%	12.88%	14.74%	12.34%	8.93%	3.98%	0.82%
13.	BEL	0.461%	0.075%	11,589,623	11,539,326	11.31%	11.26%	12.09%	12.99%	13.21%	13.88%	11.68%	7.88%	4.64%	1.07%
14.	POR	0.271%	0.011%	10,196,709	10,226,178	8.38%	10.06%	10.53%	12.26%	15.52%	14.40%	12.54%	9.75%	5.53%	1.03%
15.	SWE	0.264%	0.032%	10,099,265	10,036,391	11.87%	11.02%	13.00%	12.85%	12.73%	12.76%	10.93%	9.64%	4.15%	1.05%
16.	BLR	0.253%	0.001%	9,449,233	9,452,409	12.00%	9.63%	12.14%	15.98%	13.53%	14.54%	12.60%	5.64%	3.40%	0.55%
17.	AUT	0.177%	0.007%	9,006,398	8,955,108	9.64%	9.79%	12.56%	13.67%	13.35%	15.67%	11.17%	8.82%	4.32%	1.01%
18.	ISR	0.191%	0.003%	8,655,535	8,519,372	19.42%	16.17%	13.84%	13.12%	11.96%	9.15%	8.25%	5.06%	2.42%	0.62%
19.	SUI	0.350%	0.018%	8,654,622	8,591,361	10.19%	9.73%	12.19%	14.10%	13.70%	15.25%	11.10%	8.52%	4.21%	1.01%
20.	DEN	0.182%	0.009%	5,792,202	5,771,877	10.53%	11.78%	13.43%	11.48%	13.03%	13.93%	11.39%	9.82%	3.75%	0.86%
21.	IRE	0.469%	0.030%	4,937,786	4,882,498	14.00%	13.38%	11.45%	14.55%	15.31%	12.04%	9.71%	6.44%	2.60%	0.51%
									ocentov						
				Kraj			Macie	erz X (ludi	ność w pi	rzedziaład	ch wiekov	vych):			
				USA	1	1,212.28	1,288.44	1,403.34	1,336.52	1,224.33	1,293.29	1,150.08	699.23	307.18	85.31
				RUS	1	1,272.48	1,014.30	1,137.94	1,676.31	1,369.94	1,333.34	1,240.42	566.72	333.85	54.71
				TUR	1	1,618.31	1,628.43	1,568.70	1,528.06	1,345.07	1,038.57	715.40	385.53	155.11	16.82
				GER	1	925.19	951.71	1,128.11	1,289.61	1,245.28	1,625.40	1,238.97	908.75	569.76	117.22
				UK	1	1,194.32	1,120.86	1,278.04	1,362.88	1,277.16	1,353.23	1,067.15	840.14	409.07	97.16
				FRA	1	1,167.92	1,206.37	1,138.57	1,229.53	1,291.04	1,320.58	1,191.27	837.76	480.53	136.44
				ITA	1	842.87	948.03	1,013.25	1,172.71	1,523.56	1,561.21	1,220.66	980.19	598.93	138.59
				ESP	1	928.69	1,001.85	995.39	1,317.65	1,697.91	1,485.91	1,112.71	839.11	496.05	124.72

UKR	1	1,065.61	972.79	1,174.18	1,650.06	1,435.01	1,365.23	1,243.51	673.17	364.43	56.00
POL	1	1,006.31	972.24	1,217.93	1,609.70	1,424.58	1,228.12	1,360.69	722.19	380.26	77.97
ROU	1	1,001.38	1,068.49	1,123.18	1,353.58	1,588.52	1,295.52	1,321.81	765.79	421.07	60.67
NED	1	1,030.99	1,154.27	1,232.21	1,214.16	1,287.91	1,474.15	1,233.82	893.08	397.88	81.54
BEL	1	1,131.11	1,125.69	1,209.24	1,298.63	1,320.83	1,388.20	1,167.92	787.50	464.05	106.83
POR	1	837.66	1,006.26	1,052.72	1,225.91	1,552.01	1,439.82	1,253.94	975.47	553.03	103.18
SWE	1	1,186.93	1,102.22	1,300.23	1,284.63	1,272.58	1,275.96	1,093.30	963.94	414.72	105.49
BLR	1	1,199.91	963.22	1,213.72	1,597.64	1,352.92	1,454.10	1,259.60	563.91	339.89	55.08
AUT	1	963.72	979.44	1,255.63	1,367.41	1,335.06	1,566.64	1,117.15	882.03	431.65	101.28
ISR	1	1,942.08	1,617.28	1,383.76	1,312.19	1,196.18	914.55	824.52	505.76	241.83	61.84
SUI	1	1,019.39	972.68	1,219.04	1,409.73	1,370.08	1,524.60	1,110.27	852.01	420.93	101.26
DEN	1	1,053.15	1,178.12	1,342.70	1,147.94	1,303.03	1,392.87	1,138.60	982.26	375.25	86.10
IRE	1	1,399.62	1,338.25	1,145.13	1,455.42	1,531.32	1,204.29	970.54	644.26	260.16	51.02
			Dan	e proce	ntowe						
Kraj	Wektor Y1 (2	Zachorowa	ania):	Wektor Y2 (Zgony):			Grupa	Indeks	B1	B2	
-		-		-		-	b0	0.0169678	0.0019715		
USA	0.392%			0.024%			0-9	b1	0.0000007	-0.0000003	
RUS	0.159%			0.001%			10-19	b2	-0.0000019	0.000001	
TUR	0.	166%		0.005%			20-29	b3	-0.0000033	-0.000004	
GER	0.	204%		0.009%			30-39	b4	-0.000048	-0.0000003	
UK	0.	329%		0.047%			40-49	b5	0.0000028	0.000001	
FRA	0.	211%		0.041%			50-59	b6	0.0000055	0.000001	
ITA	0.	364%		0.051%			60-69	b7	-0.0000029	-0.0000003	
ESP	0.	486%		0.057%			70-79	b8	-0.0000031	-0.000004	
UKR	0.	037%		0.001%			80-89	b9	-0.0000158	-0.000013	
POL	0.	043%		0.002%		90-99	b10	0.0000410	0.0000074		
ROU	0.	081%			0.005%						
NED	0.	250%			0.032%						
BEL	0.	461%			0.075%						
POR	0.	271%			0.011%						
SWE	0.	264%			0.032%						
BLR	0.	253%			0.001%						
AUT	0.	177%			0.007%						
ISR	0.	191%			0.003%						
SUI	0.	350%			0.018%						
DEN	0.	182%			0.009%						

	0.4000/	0.0200/			
IRF	0.460%	0.030%			
II/L	0.40370	0.03070			