

# TRAFFIC & INFRASTRUCTURE

Helgi's Pocket Guide

January 2013

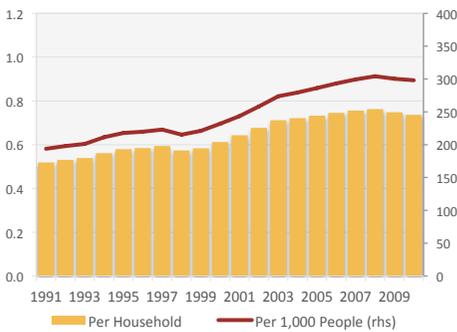


Hungary

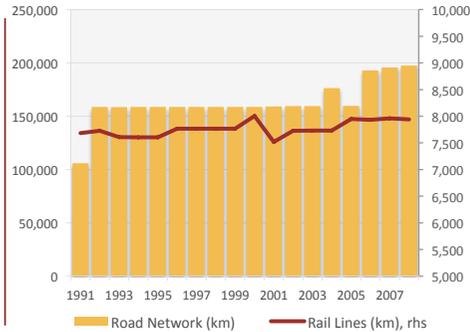
HUNGARIAN INFRASTRUCTURE AT A GLANCE	1990	1995	2000	2005	2010
Roads, Total Network (km)	105,774	158,633	158,785	159,600	197,534
Length Of Motorways (km)	267	335	448	636	1,477
Passenger Cars Per 1,000 People	187	218	232	286	298
Diesel Passenger Cars (As Of Total Cars)	0.8%	0.8%	9.8%	12.5%	20.1%
Persons Killed In Road Traffic Accidents	2,432	1,589	1,200	1,278	740
Rail Lines (km)	7,617	7,606	8,004	7,950	7,893
Railway Passengers (mil)	208	156	156	156	141
Railways, Average Distance Travelled Per Capita (km)	1,086	803	691	707	539
Air Transport, Passengers Carried (km)	1.36	1.31	2.20	2.74	11.8
Railway Transport In Passengers (As Of Inland Transport)	14.7%	11.9%	12.9%	13.1%	
Road Transport In Passengers (As Of Inland Transport)	60.5%	64.6%	62.1%	63.1%	
Bus Transport In Passengers (As Of Inland Transport)	24.8%	23.4%	25.0%	23.8%	
Road Sector Energy Consumption (As Of Total)	9.0%	8.8%	11.5%	13.9%	15.4%



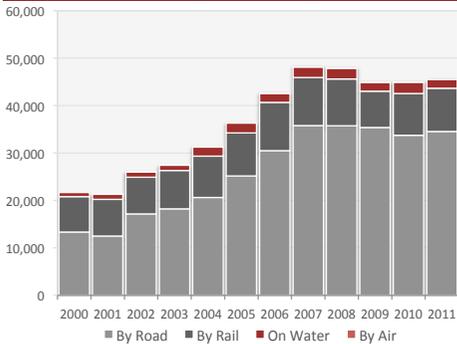
## PASSENGER CARS



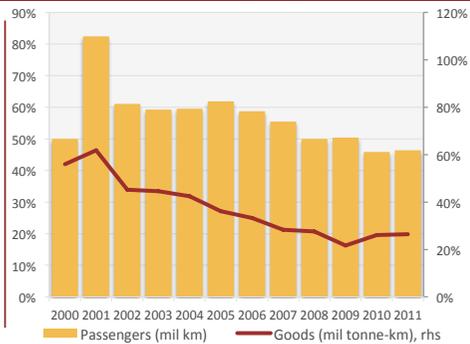
## ROADS & RAIL LINES



## TRANSPORT OF GOODS (mil tonne-km)



## TRANSPORT OF PASSENGERS (mil km)

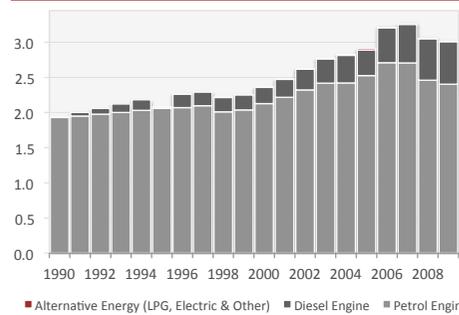


Source: World Bank, National Statistical Office, United Nations, OECD, Eurostat, Helgi Analytics calculation

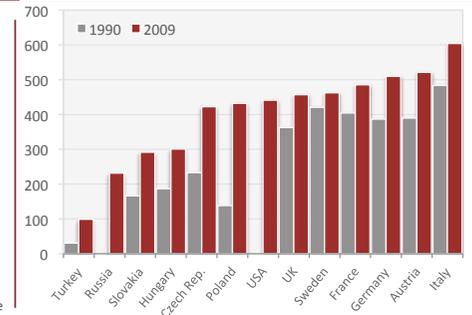


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## PASSENGER CARS

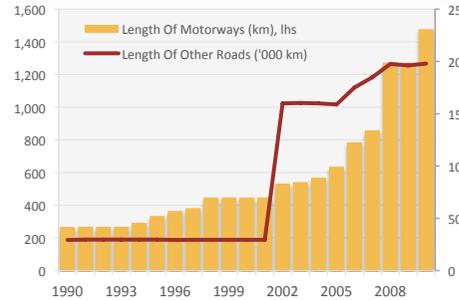


## PASSENGER CARS PER 1,000 PEOPLE

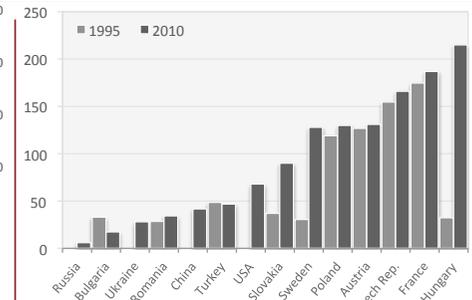


With around 3 mil passenger cars in the country, nearly every third Hungarian owned a car at the end of 2010. Although the number had increased by more than 50% since 1990, the penetration remains well below the EU average (or 480 cars per 1,000 people), or the level seen in the Czech Republic (427) or even Bulgaria (347), for example. Car penetration will probably continue rising in the future (only 80% of Hungarian households have a car), but investments will have to go into quality, as the average car in the country is roughly 12 years old.

## ROAD NETWORK

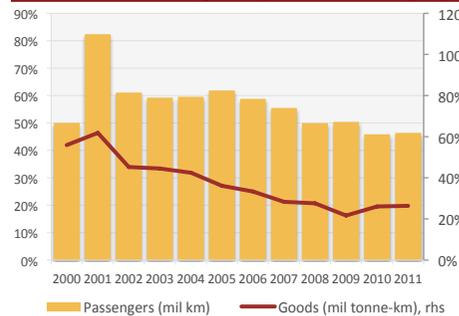


## ROAD DENSITY

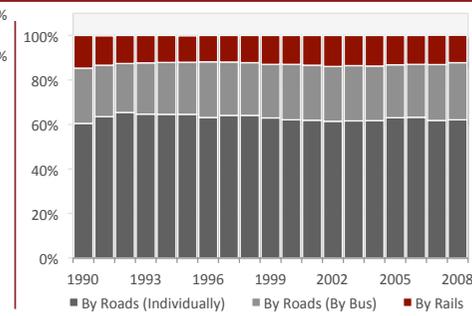


Hungary is considered to be the eastern gateway to Europe, since four major European transportation corridors run through the country. Hungary has been investing heavily in upgrading and extending its motorway network and road infrastructure over the last few years. The length of its motorways has tripled, to nearly 1,500 km, just over the last decade. Seven of Hungary's eight major highways start from Budapest and all of them link up with the European road network.

## FROM RAILS TO ROADS (Railway As Of Road Transport)



## INLAND PASSENGER TRANSPORT



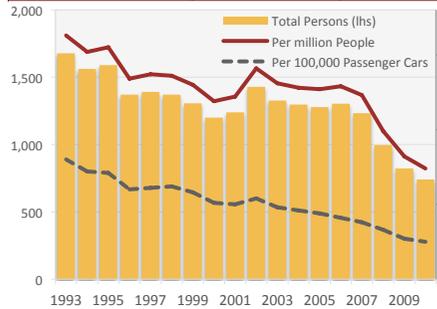
Railway transport has clearly been losing ground to road transport in Hungary, especially as far as the transport of goods is concerned. While at the beginning of the 1990s railways transported some 37% of total inland freight, it was only 21% in 2008. The negative trend is seen in both domestic and international transport. As far as passenger transport is concerned, 88% of inland passengers travelled by road in 2008, roughly a similar share when compared to two decades ago.

Source: World Bank, National Statistical Office, United Nations, OECD, Eurostat, Helgi Analytics calculation

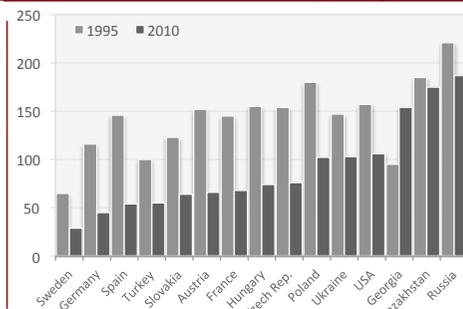


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### SAFETY ON THE ROAD (Accident Fatalities)

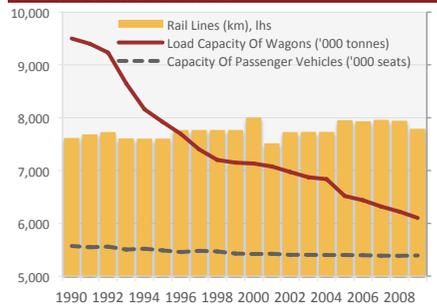


### PERSONS KILLED IN ROAD ACCIDENTS (Per mil)

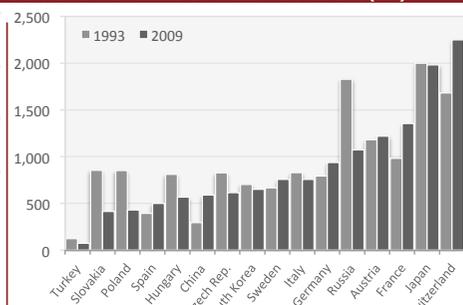


Security on Hungarian roads has improved significantly over the last two decades. The number of persons killed in road traffic accidents more than halved to 739 persons in 2010. The number of persons injured dropped by 28% between 1993 and 2010, in spite of the increasing traffic on the roads. Having said that, traffic accident fatalities are still high when former Soviet Union countries are excluded.

### RAILWAY INFRASTRUCTURE

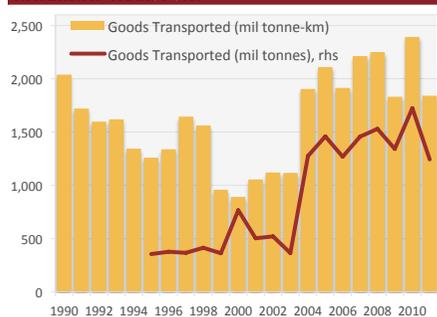


### DISTANCE TRAVELLED BY TRAIN PER CAPITA (km)

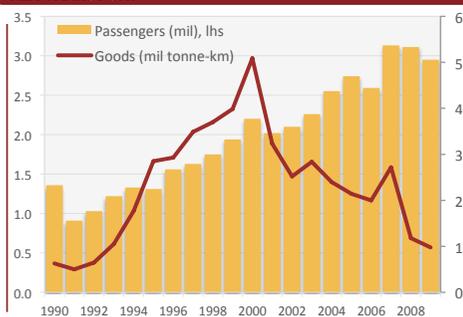


While most of Western Europe (or China, for example) prefers railway transportation to that by road, Central Europe has gone the opposite way. In Hungary, the capacity to transport passengers and goods (i.e. the number of seats or load capacity) has been going down and people travel by train less than a decade ago. The average distance travelled by a person by train a year dropped by 30% between 1993 and 2009, to 571 km.

### WATERWAY TRANSPORT



### AIR TRANSPORT



Air transport in Hungary has more than doubled since 1990 to nearly 3 mil passengers in 2009 as the skies have opened all over Europe. Thanks mainly to the River Danube, Hungary has a good network of waterways (1,600 km of navigable waterways). Around 4% of total inland goods were transported by water in 2010.

Source: World Bank, National Statistical Office, United Nations, OECD, Eurostat, Helgi Analytics calculation



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POPULATION		2003	2004	2005	2006	2007	2008	2009	2010	2011
Population	mil	10.14	10.12	10.10	10.08	10.07	10.05	10.03	10.01	9.99
Population (As % Of World Population)	%	0.16%	0.16%	0.16%	0.15%	0.15%	0.15%	0.15%	0.15%	0.14%
Persons Per Household	persons	2.60	2.58	2.56	2.54	2.52	2.51	2.49	2.47	2.45
Share Of Population (0-14 Years Of Age)	%	16%	16%	16%	15%	15%	15%	15%	15%	15%
Share Of Population (15-64 Years Of Age)	%	69%	69%	69%	69%	69%	69%	69%	69%	69%
Share Of Population (65+ Years Of Age)	%	16%	16%	16%	16%	16%	16%	16%	17%	17%
Median Age	years	38.9	39.0	39.1	39.2	39.4	39.5	39.7	39.8	40.0
Old Age Dependency Ratio	%	23%	23%	23%	23%	23%	24%	24%	24%	24%
Youth Dependency Ratio	%	23%	23%	23%	22%	22%	22%	22%	21%	21%
Life Expectancy, both sexes	years	72.3	72.6	72.6	73.1	73.2	73.7	73.9	74.2	
Life Expectancy At 65, both sexes	years	15.3	15.6	15.5	16.0	16.1	16.4	16.4	16.5	
Total Fertility Rate	children	1.28	1.28	1.32	1.35	1.32	1.35	1.33	1.26	1.24
Urban Population As Of Total	%	66%	66%	66%	67%	67%	68%	68%	69%	69%

### ON THE ROAD

		2003	2004	2005	2006	2007	2008	2009	2010	2011
Number Of Passenger Cars	mil	2.78	2.83	2.89	2.95	3.01	3.06	3.01	2.98	2.97
Diesel Passenger Cars (As Of Total Cars)	%	12%	14%	13%	17%	18%	19%	20%		
Petrol Passenger Cars (As Of Total Cars)	%	87%	86%	87%	92%	90%	81%	80%		
Alternative Fuel Passenger Cars (As Of Total Cars)	%	0.6%	0.5%	0.9%	0.3%	0.2%	0.2%	0.2%		
Passenger Cars Per 1,000 People	vehicles	274	280	286	293	299	304	300	298	297
Passenger Cars Per Household	vehicles	0.71	0.72	0.73	0.74	0.76	0.76	0.75	0.74	0.73
Number Of Motor Vehicles	mil	3.26	3.33	3.43	3.50	3.54	3.50			
Motor Vehicles Per 1,000 People	vehicles	316	330	365	375	384	351	348	345	
Number Of Motorcycles	'000 vehicles	103	112	123	204	204	141	142	142	
Motorcycles Per 1,000 People	vehicles	10.2	11.1	12.2	20.2	20.3	14.0	14.2	14.2	
Number Of Mopeds	'000 vehicles									
Mopeds Per 1,000 People	vehicles									
Number Of Trams	vehicles	854	829	829	769		713	708	711	
Number Of Coaches, Buses & Trolley Buses	vehicles	18.1	17.6	17.5	19.8	20.0	18.0	17.7	17.6	
Roads (Total Network)	km	160	160	193	196	198				
Roads, Paved (As Of Total Roads)	%	44%		38%	38%	38%	38%			
Length Of Motorways	km	542	569	636	785	858	1,274	1,273	1,477	
Vehicles (Per km Of Road)	vehicles	20.0		23.0	20.0	20.0	18.0	18.0	17.3	
Road Density (km of Road Per 100 km2 Of Land Area)		172		172	207	210	212	212	215	
Roads, Passengers Carried	mil km	12,322	12,096	11,530	11,784	11,254	11,862	11,321	11,766	11,852
Road Transport Freight	mil tonne-km	18,199	20,598	25,138	30,495	35,804	35,743	35,373	33,721	34,528
Road Goods Transported	mil tonnes	214	213	229	251	243	258	230	200	183
Road Sector Energy Consumption (As Of Total)	%	12.9%	13.5%	13.9%	15.1%	15.9%	16.5%	17.5%	15.4%	
Killed In Road Traffic Accidents	persons	1,326	1,296	1,278	1,303	1,232	996	822	740	638
Killed In Road Traffic Accidents (Per mil People)	persons	131	128	127	129	123	99	82	74	
Injured In Road Traffic Accidents	persons	26,664	28,084	27,536	27,993	27,481	25,385	23,292	20,950	
Injured In Road Traffic Accidents (Per mil People)	persons	2,629	2,776	2,727	2,778	2,730	2,527	2,322	2,092	
Number Killed Per 1,000 Road Traffic Accidents	persons	66	62	62	62	60	52	46	45	
Number Of Fatalities Per 100,000 Passenger Cars	persons	48	46	44	41	38	33	27	25	

### ON THE RAILS

		2003	2004	2005	2006	2007	2008	2009	2010	2011
Rail Lines (Total)	km	7,730	7,730	7,950	7,932	7,960	7,942	7,793	7,893	
Electrified Rail Lines (As Of Total Rail Lines)	%	36%	36%	35%	35%	34%	34%	36%		
Railway Density (km of Road Per 1,000 km2 Of Land Area)		137	137	137	102	99	99	99	99	
Railway Passengers	mil	160	163	156		150	145	143	141	
Railways Passengers Carried	mil km	7,300	7,199	7,135	6,923	6,244	5,927	5,708	5,398	
Railways Transport Freight	mil tonne-km	8,109	8,749	9,090	10,167	10,137	9,874	7,673	8,809	9,118
Railways Goods Transported	mil tonnes	50.6	51.7	50.9	54.7	54.0	51.5	42.3	45.8	47.4
Railway (Average Distance Travelled Per Passenger)	km	45.7	44.3	45.6		41.7	40.9	40.0	38.4	
Railway (Average Distance Travelled Per Capita)	km	720	712	707	687	620	590	569	539	
Principle Railways Enterprise (s) Workforce	persons	54,888	53,132	47,323		42,709	37,795	36,794	34,900	
Number Of Railway Locomotives	vehicles	1,059	1,034	1,035			1,027	1,081		
Number Of Passenger Railway Vehicles	vehicles	3,093	3,060	3,060			2,852	2,881		
Capacity Of Passenger Railway Vehicles (Total)	'000 seats	202	200	200			193	197		
Number Of Railway Wagons	vehicles	20,189	19,783	16,027			12,240	10,683		
Load Capacity Of Railway Wagons (Total)	'000 tonnes	937	919	760			612	551		

Source: World Bank, National Statistical Office, United Nations, OECD, Eurostat, Helgi Analytics calculation. For more details, description and explanation of particular indicators, please, visit [www.helgilibrary.com](http://www.helgilibrary.com)



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IN THE AIR		2003	2004	2005	2006	2007	2008	2009	2010	2011
Air Transport (Passengers Carried)	mil	2.26	2.55	2.74	2.59	3.13	3.11	2.95	11.80	
Air Transport Freight	mil tonne-km	28.4	24.0	21.4	20.0	27.2	11.8	9.8	7.7	
Air Goods Transported	'000 tonnes	50.5	60.4	55.5	64.9	67.6	62.5	54.1	65.3	68.9

ON THE WATER		2003	2004	2005	2006	2007	2008	2009	2010	2011
Waterway Transport Freight	mil tonne-km	1,117	1,904	2,110	1,913	2,212	2,250	1,831	2,393	1,840
Waterway Goods Transported	mil tonnes	2.11	7.36	8.41	7.33	8.41	8.83	7.74	9.95	7.17
Number Of Inland Waterway Vessels	vessels						85	82	79	
Number Of Maritime Merchant Vessels	vessels	6	10							
Number Of Maritime Container Ships	vessels									
Number Of Maritime Oil Tankers	vessels									
Waterways Transport (As Of Inland Transport)	%	5.5%	6.1%	5.8%	4.5%	4.6%	4.7%	4.1%		

MACROECONOMIC ROUND-UP		2003	2004	2005	2006	2007	2008	2009	2010	2011
GDP	USD bil	83.5	101.9	110.3	112.5	136.1	154.2	126.6	128.6	140.0
GDP Growth	%	3.9%	4.8%	4.0%	3.9%	0.1%	0.9%	-6.8%	1.3%	1.7%
GDP Per Capita	USD	8,247	10,085	10,937	11,174	13,535	15,365	12,635	12,863	14,044
Industrial Production Growth	%	6.9%	7.8%	6.8%	9.9%	7.9%	-0.1%	-17.6%	10.6%	5.4%
Retail Sales Growth	%									
Government Budget Balance (As % Of GDP)	%	-7.2%	-6.4%	-7.9%	-9.4%	-5.1%	-3.7%	-4.5%	-4.3%	4.2%
Public Debt (As % Of GDP)	%	58%	59%	62%	66%	67%	73%	80%	81%	81%
Unemployment Rate	%	5.9%	6.1%	7.2%	7.5%	7.4%	7.8%	10.0%	11.2%	10.9%
Gross Average Monthly Wage	USD	698	864	936	935	1,143	1,313	1,133	1,111	1,174
Foreign Debt (As % Of GDP)	%	70%	80%	77%	118%	130%	145%	188%	161%	
Imports (As % Of GDP)	%	65%	67%	68%	79%	80%	81%	73%	80%	85%
Exports (As % Of GDP)	%	61%	63%	66%	78%	81%	82%	78%	87%	92%
Current Account Balance (As % Of GDP)	%	-8.0%	-8.6%	-7.6%	-7.6%	-7.3%	-7.4%	-0.2%	1.2%	1.4%
Foreign Exchange Reserves (Including Gold)	USD bil	12.8	16.0	18.6	21.6	24.1	33.9	44.2	45.0	48.8
Foreign Exchange Reserves (As % Of Imports)	%	23%	23%	25%	24%	22%	27%	48%	44%	41%
Foreign Direct Investments	USD bil	2.2	4.3	8.5	18.7	70.6	75.0	-3.0	-20.7	9.6
Foreign Direct Investments (As % Of GDP)	%	2.6%	4.2%	7.7%	16.6%	51.9%	48.6%	-2.3%	-16.1%	6.9%
Foreign Direct Investments (As % Of CA Deficit)	%	33%	49%	102%	217%	713%	657%	-1531%	1313%	-490%
Workers' Remittances, Received (As % Of GDP)	%	0.4%	1.7%	1.7%	1.8%	1.7%	1.6%	1.7%	1.7%	1.7%
Portfolio Investments (As % Of GDP)	%	3.5%	6.7%	4.1%	5.6%	-1.7%	-2.0%	-4.1%	-0.3%	6.2%
Development Assistance (As % Of GDP)	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

INFLATION, FOREX & INTEREST RATES		2003	2004	2005	2006	2007	2008	2009	2010	2011
Inflation, CPI (Average)	%	4.4%	6.8%	3.6%	3.9%	7.9%	6.1%	4.2%	4.9%	3.9%
Long-Term Interest Rate (10-Year Gov. Bond Yield)	%	6.8%	8.3%	6.6%	7.1%	6.7%	8.2%	9.1%	7.3%	7.6%
Short-Term Interbank Interest Rate (3-Month)	%	8.2%	11.3%	7.0%	6.9%	7.6%	8.9%	8.5%	5.4%	6.0%
Interest Spread To USD, 10-Year Gov. Bond	%	2.8%	4.0%	2.3%	2.3%	2.1%	4.6%	5.9%	4.1%	4.8%
Interest Spread To USD, 3M IBOR	%	7.0%	9.7%	3.5%	1.7%	2.3%	5.7%	7.5%	4.8%	5.6%
FX Rate To USD (Average)	per USD	224	203	200	210	184	172	202	208	201
FX Rate To EUR (Average)	per EUR	253	252	248	264	251	252	280	275	279

Source: World Bank, National Statistical Office, United Nations, OECD, Eurostat, Helgi Analytics calculation. For more details, description and explanation of particular indicators, please, visit [www.helgilibrary.com](http://www.helgilibrary.com)

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Helgi Analytics also runs a web application called Helgi Library, which is a database/library offering data and analyses on more than 95% of the world's economy and population. The Library aims to bring interesting statistical data and analyses to a wide audience under affordable conditions. If you wish to get more details, please visit [www.helgilibrary.com](http://www.helgilibrary.com) or contact us at [info@helgianalytics.com](mailto:info@helgianalytics.com).

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