Model Deployment Using Flask

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Batch: 30

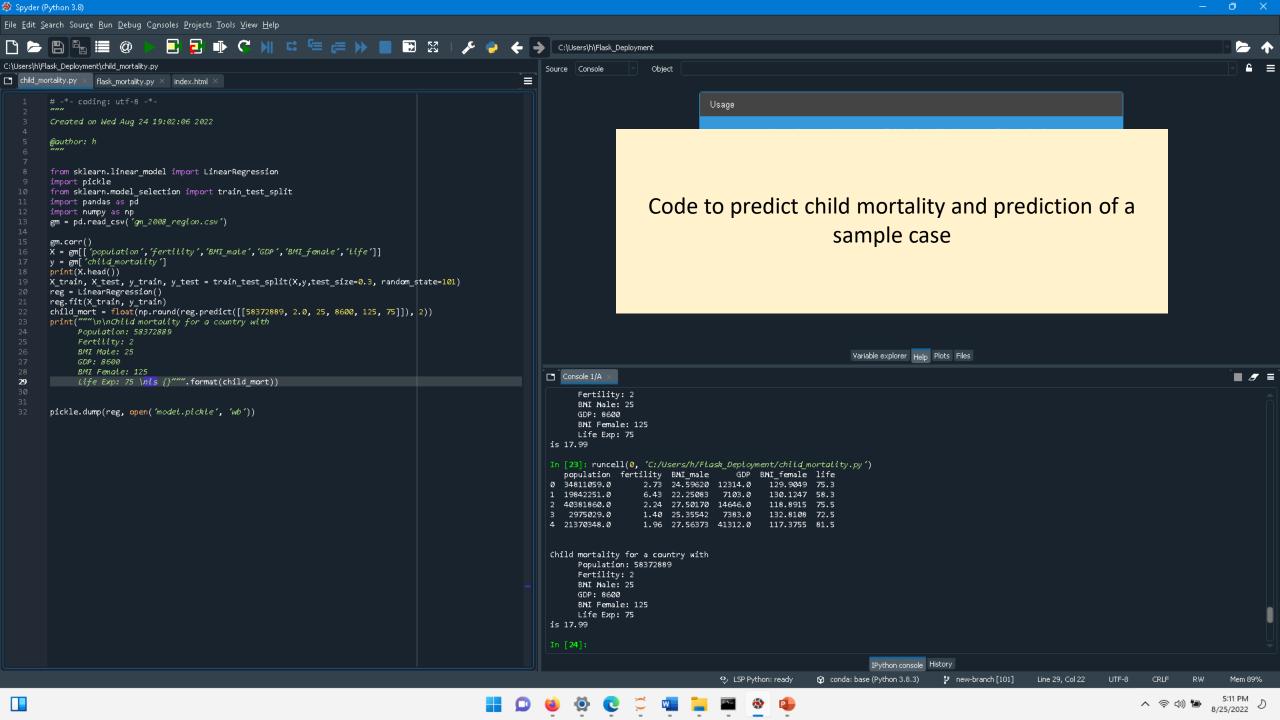
26-Aug-2022

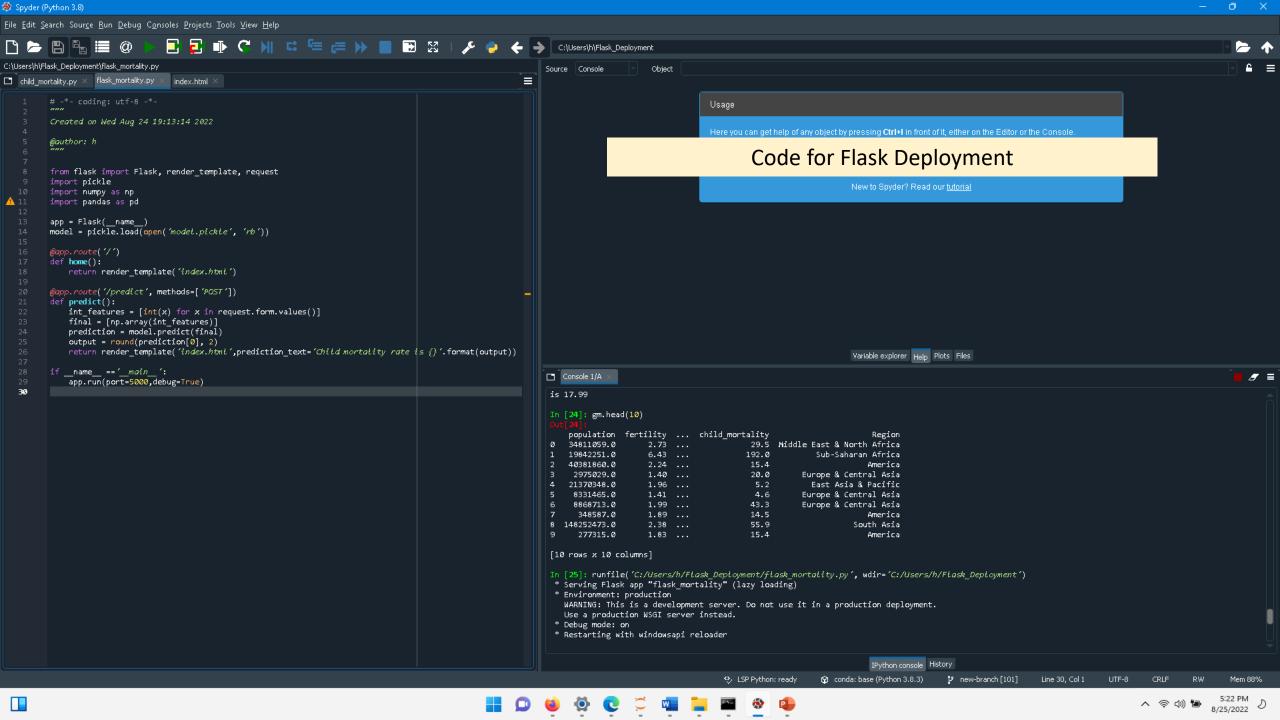
Submitted to: DataGlacier Internship Program

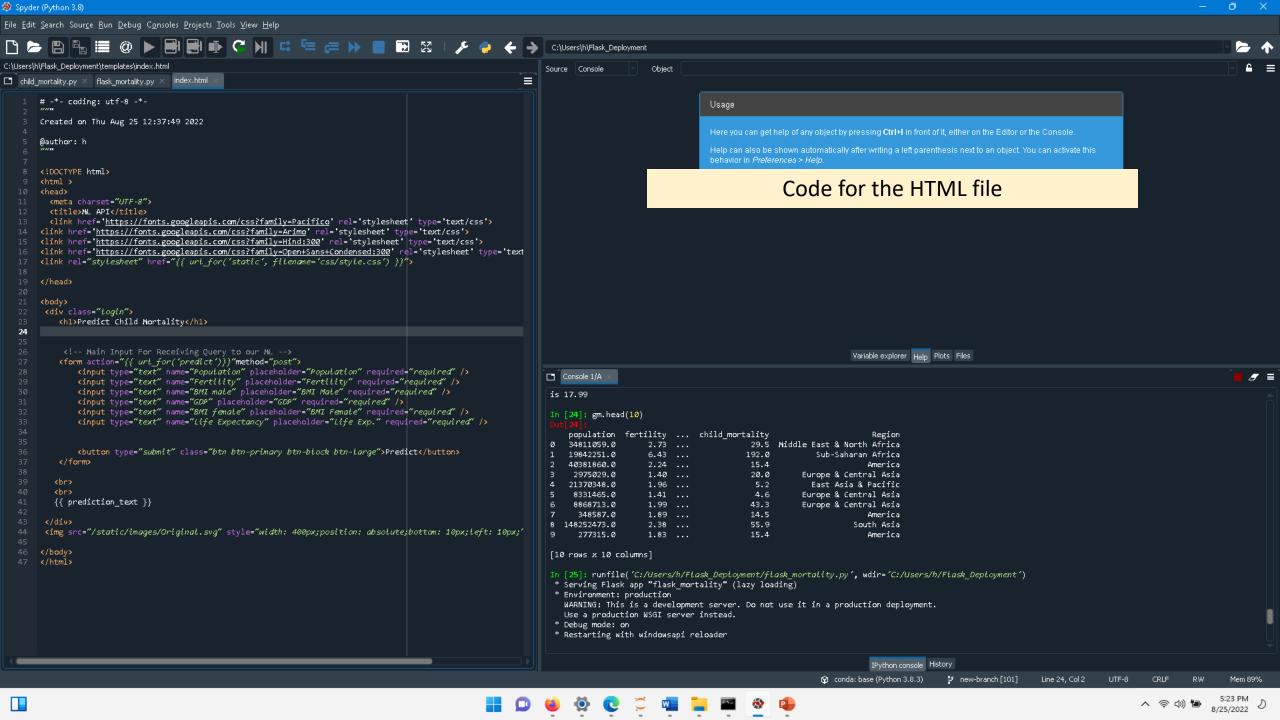
In this project, child mortality rate is predicted based on several factors.

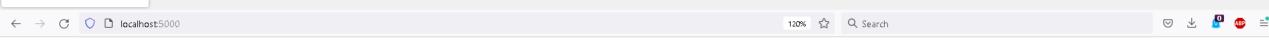
	gm	n.head()		'	liddle Eas	st & North	Africa':	5, 'South /	Asia':6)	})				
Out[4]:		population	fertility	ніу	CO2	BMI_male	GDP	BMI_female	e life	child_mortality	Region			
	0	34811059.0	2.73	0.1	3.328945	24.59620	12314.0	129.9049	9 75.3	29.5	5			
	1	19842251.0	6.43	2.0	1.474353	22.25083	7103.0	130.124	7 58.3	192.0	2			
	2	40381860.0	2.24	0.5	4.785170	27.50170	14646.0	118.891	5 75.5	15.4	3			
	3	2975029.0	1.40	0.1	1.804106	25.35542	7383.0	132.8108	3 72.5	20.0	1			
	4	21370348.0	1.96	0.1	18.016313	27.56373	41312.0	117.3755	5 81.5	5.2	4			
In [5]: Out[5]:	gm	n.corr()												
	gm	n.corr()	populati	on	fertility	ніу	CO2	BMI_male	GDI	P BMI_female	life	child_mortality	Region	
	gm	n.corr()	populati		fertility -0.061345		CO2 -0.010147	BMI_male -0.134905				child_mortality	Region 0.270241	
	gm			000		-0.065821			-0.04568	7 -0.135149		0.008058		
	gm	population	1.0000)00 345 321	-0.061345 1.000000 0.292695	-0.065821 0.292695 1.000000	-0.010147 -0.439747 -0.165889	-0.134905 -0.715380 -0.308700	-0.04568 -0.50261 -0.20841	7 -0.135149 5 0.527314 0 0.396680	-0.005051 -0.786921 -0.604749	0.008058 0.901704 0.394913	0.270241 -0.012771 -0.113488	
	gm	population fertility HIV CO2	1.0000 -0.0613 -0.0658 -0.0101	345 321 47	-0.061345 1.000000 0.292695 -0.439747	-0.065821 0.292695 1.000000 -0.165889	-0.010147 -0.439747 -0.165889 1.000000	-0.134905 -0.715380 -0.308700 0.581031	-0.04568 -0.50261 -0.20841 0.82309	7 -0.135149 5 0.527314 0 0.396680 9 -0.280813	-0.005051 -0.786921 -0.604749 0.476666	0.008058 0.901704 0.394913 -0.458186	0.270241 -0.012771 -0.113488 -0.041445	
	gm	population fertility HIV CO2 BMI_male	1.0000 -0.0613 -0.0658 -0.0101 -0.1349	345 321 47 905	-0.061345 1.000000 0.292695 -0.439747 -0.715380	-0.065821 0.292695 1.000000 -0.165889 -0.308700	-0.010147 -0.439747 -0.165889 1.000000 0.581031	-0.134905 -0.715380 -0.308700 0.581031 1.000000	-0.04568 -0.502613 -0.208411 0.823093	7 -0.135149 5 0.527314 0 0.396680 9 -0.280813 6 -0.447049	-0.005051 -0.786921 -0.604749 0.476666 0.731559	0.008058 0.901704 0.394913 -0.458186 -0.749691	0.270241 -0.012771 -0.113488 -0.041445 -0.221886	
	gm	population fertility HIV CO2 BMI_male GDP	1.0000 -0.0613 -0.0658 -0.0101 -0.1349 -0.0456	345 321 47 905	-0.061345 1.000000 0.292695 -0.439747 -0.715380 -0.502615	-0.065821 0.292695 1.000000 -0.165889 -0.308700 -0.208410	-0.010147 -0.439747 -0.165889 1.000000 0.581031 0.823099	-0.134905 -0.715380 -0.308700 0.581031 1.000000 0.625126	-0.04568 -0.502613 -0.208411 0.82309 0.62512	7 -0.135149 5 0.527314 0 0.396680 9 -0.280813 6 -0.447049 0 -0.400740	-0.005051 -0.786921 -0.604749 0.476666 0.731559 0.628999	0.008058 0.901704 0.394913 -0.458186 -0.749691 -0.543874	0.270241 -0.012771 -0.113488 -0.041445 -0.221886 -0.143867	
	gm	population fertility HIV CO2 BMI_male	1.0000 -0.0613 -0.0658 -0.0101 -0.1349	345 321 47 905 687	-0.061345 1.000000 0.292695 -0.439747 -0.715380 -0.502615 0.527314	-0.065821 0.292695 1.000000 -0.165889 -0.308700 -0.208410	-0.010147 -0.439747 -0.165889 1.000000 0.581031	-0.134905 -0.715380 -0.308700 0.581031 1.000000 0.625126	-0.04568 -0.502613 -0.208411 0.823093	7 -0.135149 5 0.527314 0 0.396680 9 -0.280813 6 -0.447049 0 -0.400740 0 1.000000	-0.005051 -0.786921 -0.604749 0.476666 0.731559	0.008058 0.901704 0.394913 -0.458186 -0.749691 -0.543874	0.270241 -0.012771 -0.113488 -0.041445 -0.221886	

Linear Regression is applied to population, fertility, BMI male, GDP, BMI female and life expectancy to predict child mortality rate.









-*- coding: utf-8 -*- """ Created on Thu Aug 25 12:37:49 2022 @author: h """

Predict Child Mortality

Fertility BMI Male GDP BMI Female Life Exp. Predict Population

How the Flask app looks before the feature values are entered













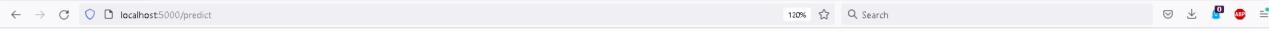












-*- coding: utf-8 -*- """ Created on Thu Aug 25 12:37:49 2022 @author: h """

Predict Child Mortality

2 25 125 75 Predict 8600 58372889

Child mortality rate is 17.99

How the app looks after the feature values are entered





















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Thank You