

Basic Analyzing Report

The target feature is Happiness Score. According to corr_2008-2017.csv files, the following features have the higher correlations with target feature ($| \text{corr} | > 0.5$)

Life Ladder
Log GDP per capita
Social support
Healthy life expectancy at birth
Democratic Quality
Delivery Quality
CPI
Safety Index
Economy (GDP per Capita)
Family
Health (Life Expectancy)
Freedom
Dystopia Residual

	GDP	Happiness Rank	Happiness Score	Standard Error	Lower Confidence Interval	Upper Confidence Interval
37139	0.20041385191914224	-0.8913391157498273	0.7716779992187245	-0.23453464993137577		
20918	0.21851878562107474	-0.7519547071070196	0.7664922919050191	-0.2086758052500361		
30205	0.15457698982138035	-0.6525318842057058	0.6539506104072552	-0.16115302347277752		
34665	0.2132996861229822	-0.6832983714967391	0.6809845201706578	-0.19080901009090226		
35969	0.1309168149922035	-0.4529871374074612	0.41439128517724094	-0.146983329599269		
364048	0.05707522665856883	-0.08855486570385267	0.2928901631058104	0.0029094874181899775		
37137	-0.09882520458726679	0.4212896946248147	-0.3352606574441054	0.33055112095002487		
364793	0.17889026550018194	-0.5540545189586209	0.4137518886996705	-0.22398051428985574		
383652	-0.1205701323799364	0.32700600071219466	-0.2677297235082138	0.35808275490352437		
91133	-0.06829206025927792	0.1033505617979583	-0.09798036897668998	-0.1803308558125246		
72279	0.12925330856628856	-0.5047329420506563	0.561558974567804	-0.05925282628425177		
8635	0.22049097613975543	-0.60210138267488	0.6309864445152458	-0.23391799763878532		
45336	-0.1170617987809916	0.26552485012069804	-0.31771278497150257	0.5003967529369147		
575345	-0.18350022571873736	0.6745654435256281	-0.6371675956036654	0.46156628186087595		
83399	0.14412906124338587	-0.2546555940228216	0.23965473871777657	0.5018144907678873		
19173	-0.0016030711873282874	0.14203873673918996	-0.1832928909863181	0.24410287450716003		
355677	0.05954504152942491	0.3296346440004325	-0.33509996331009845	0.25452821419747296		
2579	-0.014236836310069024	-0.5078483286473024	0.6170969454039464	-0.1435553841450361		
918056	0.05548042127712101	-0.20553671538540952	0.11144777935782162	-0.04406609393527238		
1	0.12246413494483115	-0.45922853031605226	0.5135001702980011	-0.16653785451241024		
83115	1	-0.19792264603811544	0.18916216627491758	-0.19160392956027142		
605226	-0.19792264603811544	1	-0.6623194425816679	0.2814888514789424		
30011	0.18916216627491758	-0.6623194425816679	1	0.10112790982988856		
241024	-0.19160392956027142	0.2814888514789424	0.10112790982988856	1		
77862	0.20800501985718867	-0.6483692434608388	0.7780697080263941	-0.05257528684803347		
36493	0.137518117663065	-0.5116246258365325	0.8061449531783191	0.11885090958989488		

For more correlations, please have a look at corr_year.csv files under combined_data_file/ folder on github repo.