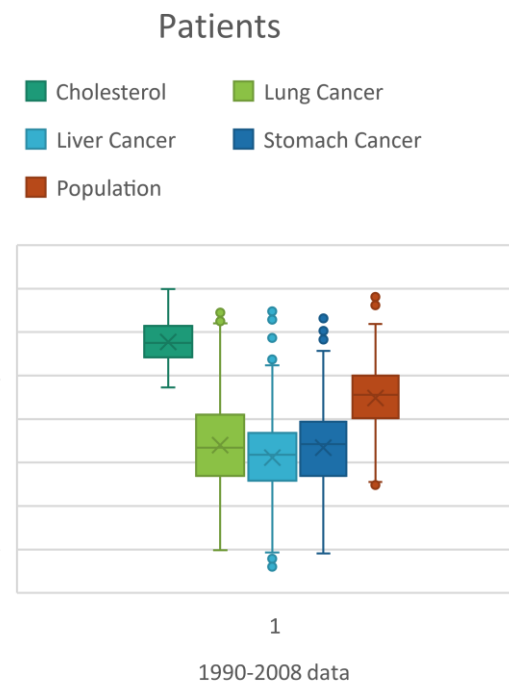
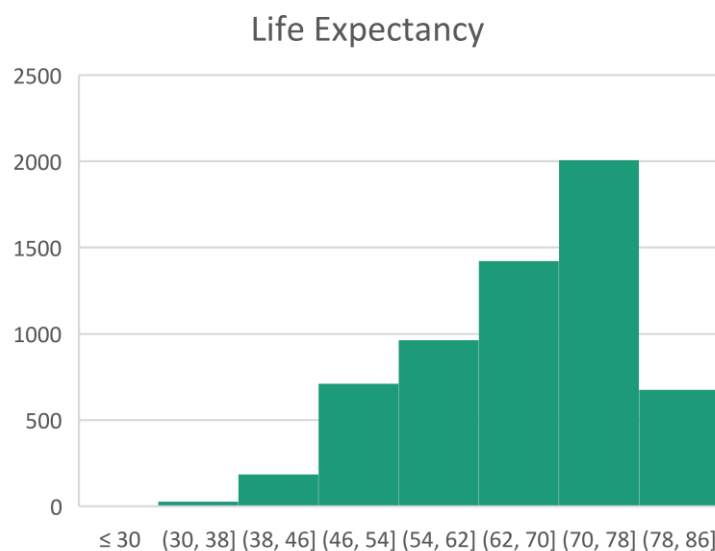
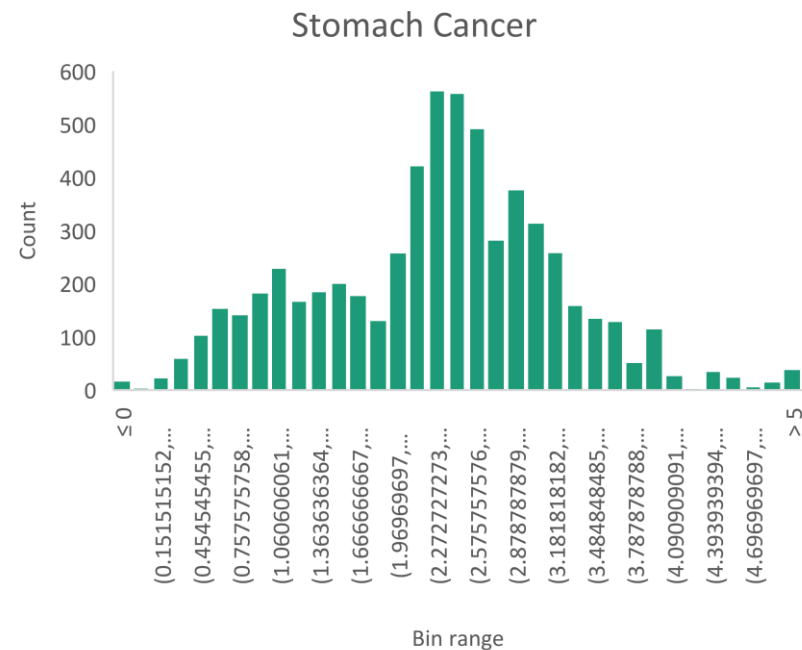
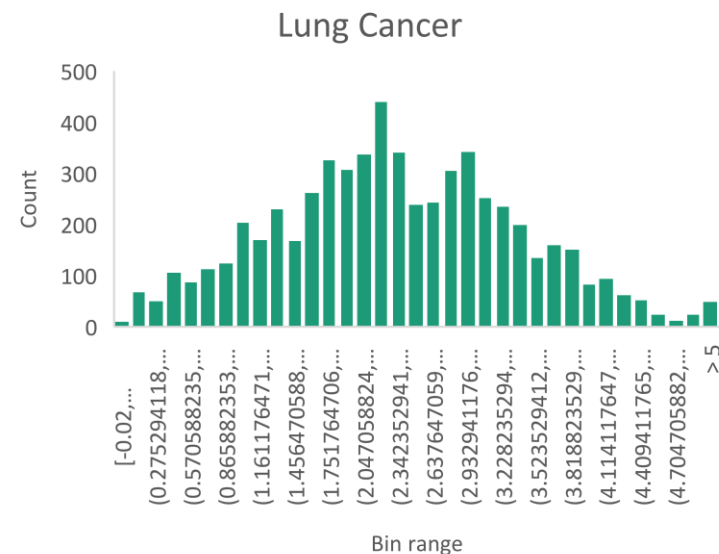
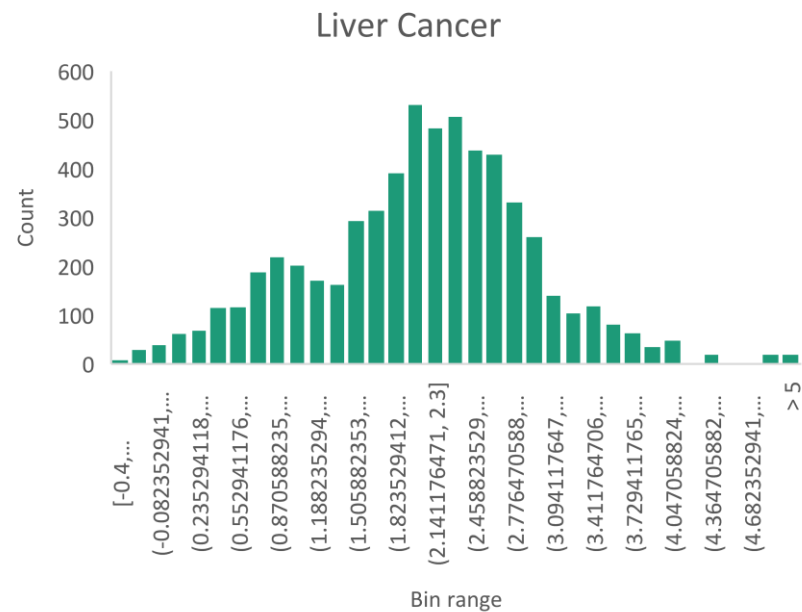
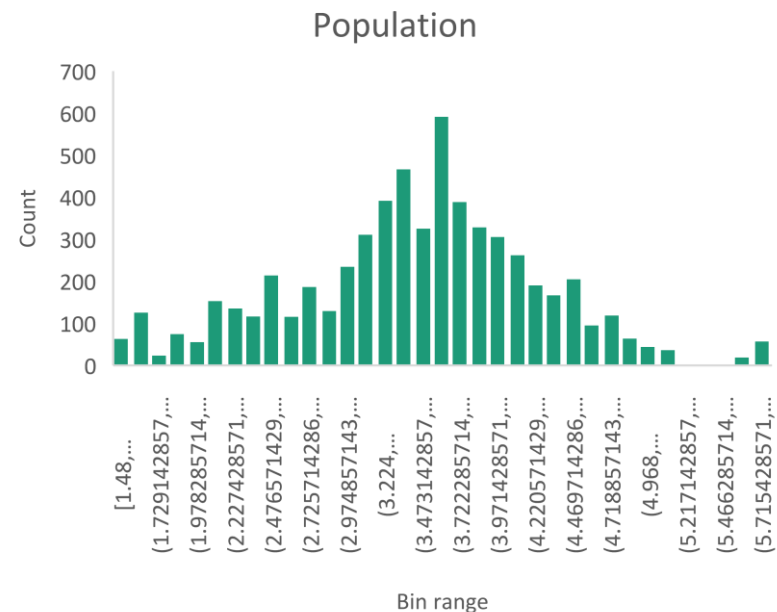


Descriptive Analysis of Gap minder health data

BMI	Value	Blood Pressure	Value2	Cholesterol	Value3	Lung Cancer	Value4
Mean	24.47924717	Mean	128.762325	Mean	4.77743504	Mean	3805.69728
Standard Error	0.030568755	Standard Error	0.05417117	Standard Error	0.00598851	Standard Error	245.71409
Median	24.9	Median	129	Median	4.75	Median	221.5
Mode	25.9	Mode	130	Mode	4.91	Mode	1010
Standard Deviation	2.36863473	Standard Deviation	4.19747903	Standard Deviation	0.46402291	Standard Deviation	19039.2748
Sample Variance	5.610430484	Sample Variance	17.6188302	Sample Variance	0.21531726	Sample Variance	362493985
Kurtosis	-0.2582279	Kurtosis	-0.3678563	Kurtosis	-0.7101651	Kurtosis	165.238255
Skewness	0.001088825	Skewness	-0.1685813	Skewness	0.14003091	Skewness	11.4604884
Range	15.5	Range	25	Range	2.26	Range	385999.04
Minimum	18.8	Minimum	114	Minimum	3.73	Minimum	0.96
Maximum	34.3	Maximum	139	Maximum	5.99	Maximum	386000
Sum	146973.4	Sum	773089	Sum	28683.72	Sum	22849406.5
Count	6004	Count	6004	Count	6004	Count	6004
Confidence Level(95.0%)	0.059925741	Confidence Level(95.0%)	0.10619495	Confidence Level(95.0%)	0.01173964	Confidence Level(95.0%)	481.687887

Liver Cancer	Value 5	Stomach Cancer	Value 6	Population	Value 7	Population Growth	Value 8
Mean	1819.289059	Mean	2674.27721	Mean	17332.5159	Mean	1.59672181
Standard Error	201.8784057	Standard Error	218.279095	Standard Error	862.834181	Standard Error	0.02131383
Median	150	Median	266	Median	3616.006	Median	1.55956227
Mode	121	Mode	150	Mode	238.801	Mode	6.75131277
Standard Deviation	15642.64567	Standard Deviation	16913.461	Standard Deviation	66857.1228	Standard Deviation	1.65151274
Sample Variance	244692363.7	Sample Variance	286065164	Sample Variance	4469874875	Sample Variance	2.72749432
Kurtosis	259.6455411	Kurtosis	186.792138	Kurtosis	66.3098993	Kurtosis	21.6889405
Skewness	15.51682828	Skewness	12.827232	Skewness	7.92919459	Skewness	1.98724949
Range	313999.6	Range	298999.18	Range	695480.704	Range	31.1903657
Minimum	0.4	Minimum	0.82	Minimum	30.314	Minimum	-7.920129
Maximum	314000	Maximum	299000	Maximum	695511.018	Maximum	23.2702366
Sum	10923011.51	Sum	16056360.4	Sum	104064425	Sum	9586.71776
Count	6004	Count	6004	Count	6004	Count	6004
Confidence Level(95.0%)	395.7541987	Confidence Level(95.0%)	427.905442	Confidence Level(95.0%)	1691.46496	Confidence Level(95.0%)	0.04178277

Gap minder health data distribution



Correlation Matrix of Gap minder health data

Variable	Life Expectancy	Gender	BMI	Blood Pressure	Cholesterol	Lung Cancer	Liver Cancer	Stomach Cancer	Population	Population Growth
Life Expectancy	1									
Gender	-0.233010018	1								
BMI	0.620628552	0.142460335	1							
Blood Pressure	0.024503794	-0.393459168	-0.000393982	1						
Cholesterol	0.738229857	0.125150699	0.635764588	0.084623053	1					
Lung Cancer	0.382015527	-0.214439054	-0.014874263	0.015277412	0.305100393	1				
Liver Cancer	0.013961665	-0.120146109	-0.250221278	-0.037934742	-0.053942683	0.860561375	1			
Stomach Cancer	0.200355763	-0.086417682	-0.138984943	-0.034926739	0.156083214	0.943287747	0.921096511	1		
Population	-0.02362795	0.000452366	-0.263090189	-0.148146504	-0.055265167	0.838380456	0.93271384	0.916170773	1	
Population Growth	-0.324194589	-0.014469599	-0.230860401	-0.157661943	-0.340001216	-0.28940803	-0.098551507	-0.237643877	-0.01888823	1

Regression calculations

SUMMARY OUTPUT						
Regression Statistics						
Multiple R	0.880391757					
R Square	0.775089646					
Adjusted R Square	0.774751943					
Standard Error	4.965589954					
Observations	6004					
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	57.42524099	2.62946148	21.83916419	8.4028E-102	52.27055032	62.5799317
Gender	-6.193794094	0.18896096	-32.77816807	6.6356E-217	-6.564225571	-5.82336262
BMI	1.385543687	0.037432409	37.01454732	2.7634E-270	1.312162696	1.45892468
Blood Pressure	-0.454024365	0.017599275	-25.79790169	2.9435E-139	-0.488525277	-0.41952345
Cholesterol	8.343993739	0.26102467	31.96630314	3.519E-207	7.832291459	8.85569602
Lung Cancer	5.280938997	0.2798125	18.87313467	3.17396E-77	4.73240581	5.82947218
Liver Cancer	-2.964204577	0.244487281	-12.12416682	1.93236E-33	-3.443487624	-2.48492153
Stomach Cancer	2.398911539	0.318780137	7.525285479	6.03645E-14	1.773987761	3.02383532
Population	-4.385155273	0.309459937	-14.17034891	7.36366E-45	-4.991808104	-3.77850244
Population Growth	0.069155577	0.048976735	1.412008728	0.157999303	-0.026856447	0.1651676

Linear Regression of Life Expectancy and Predictive function

