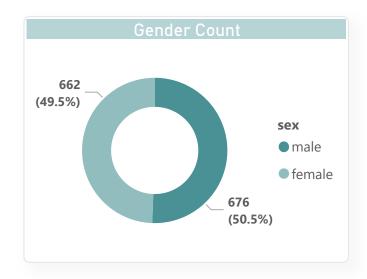
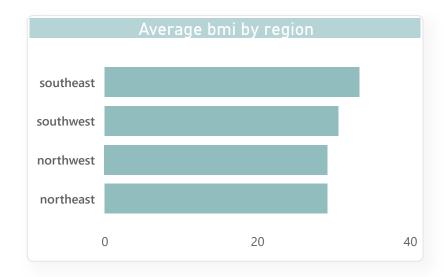
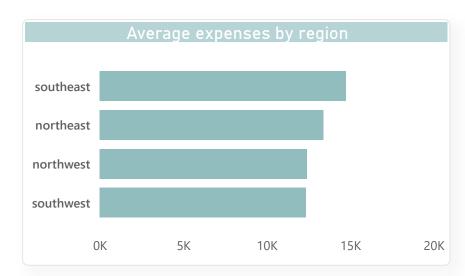
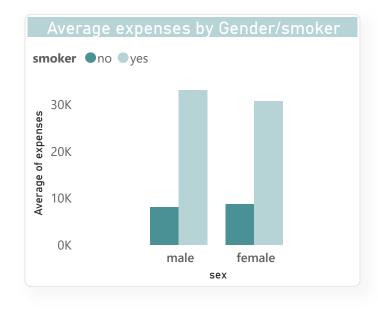


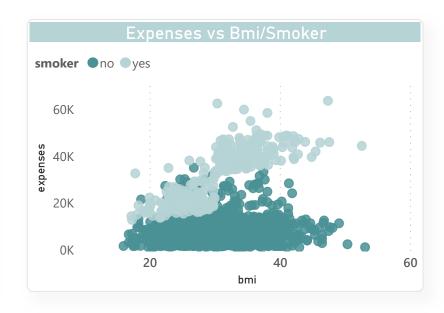
Medical Cost Prediction Analysis

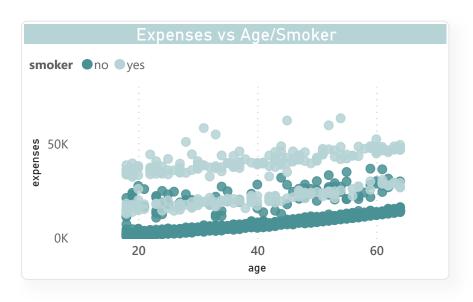












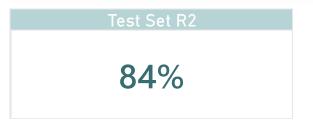
Model Selection

Select all GradientBoosting LinearRegressor RandomForest SVR





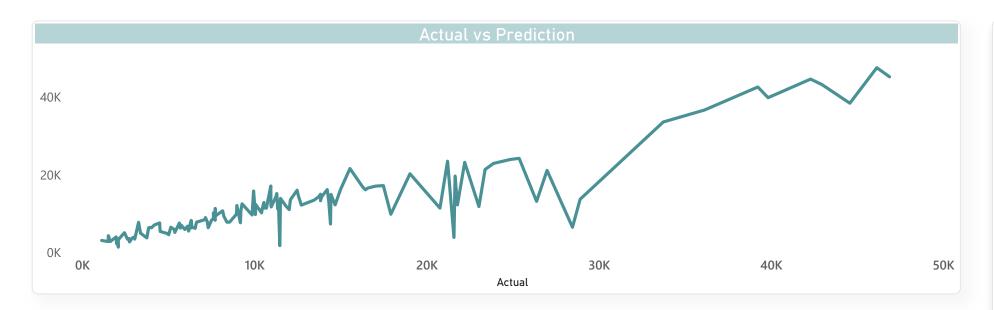


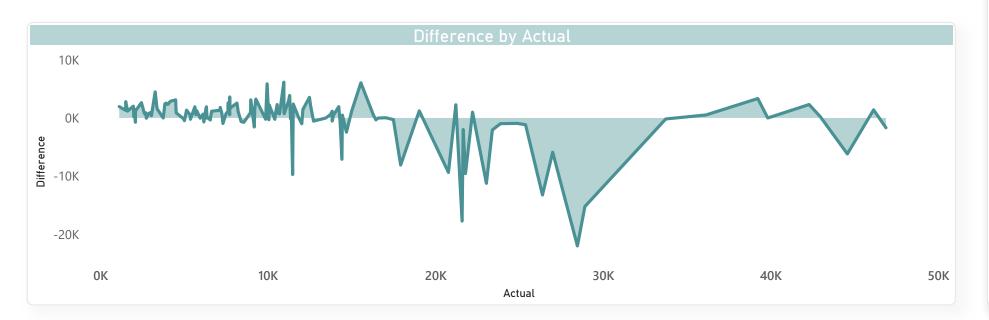


Test Set RMSE	
4056.46	
1050.10	

Model	Train_time	Train_R2	Train_RMSE	Test_RMSE	Test_R2
GradientBoosting	0.36	0.87	4,575.58	4,056.46	0.84
LinearRegressor		0.76	6,152.20		
RandomForest	1.22	0.86	4,750.23		
SVR	0.07	0.76	6,152.20		

Actual vs Prediction





Actual	Predicted	Difference	/
10,959.69	17,106.12	6,146.43	
15,555.19	21,599.06	6,043.87	
9,957.72	15,820.48	5,862.76	
3,279.87	7,758.53	4,478.66	
11,305.93	15,166.06	3,860.13	
7,731.43	11,336.87	3,605.44	
12,485.80	16,026.08	3,540.28	
39,241.44	42,576.70	3,335.26	
9,288.03	12,527.98	3,239.95	
4,504.66	7,612.09		
8,988.16	12,092.72	3,104.56	
11,244.38	14,222.00	2,977.62	
4,189.11	7,060.43	2,871.32	
1,526.31	4,322.47	2,796.16	
2,459.72	5,086.38	2,626.66	
7,626.99	10,203.57	2,576.58	
8,162.72	10,717.28	2,554.56	
3,925.76	6,467.83		
3,861.21	6,296.90	2,435.69	\
11 [20 10	12.012.40	2 202 20	