```
1 C:\Users\Sharmo.Sarkar\PycharmProjects\Homesite Insurance\
  venv\Scripts\python.exe C:/Users/Sharmo.Sarkar/
  PycharmProjects/Homesite Insurance/Driver.py
2 (3794, 10)
3 ['PolicyStatus' 'CancellationReason' 'PartnerName' '
  SoldByChannel'
4 'Property: Top 10 States' 'Region' 'PolicyPaymentType'
5 'Number of Days Cancelled Policy was Active' 'Sum of
  Policies'
6 'Cancellation Rate'l
7 ***********
8 (2342, 8)
9 ['PolicyStatus' 'CancellationReason' 'SoldByChannel'
10 'Property: Top 10 States' 'Region' 'PolicyPaymentType' '
  Sum of Policies'
   'Cancellation Rate']
12 ***************
13 (2342, 20)
14 ['Cancellation Rate' 'SoldByChannel_Agents' '
  SoldByChannel Call Center'
15 'SoldByChannel_Referral' 'SoldByChannel_Website'
   'Property: Top 10 States_AZ' 'Property: Top 10 States_CA'
16
17 'Property: Top 10 States LA' 'Property: Top 10 States MA'
18 'Property: Top 10 States NJ' 'Property: Top 10 States NY'
19 'Property: Top 10 States Others' 'Property: Top 10
  States TN'
20 'Property: Top 10 States_TX' 'Property: Top 10 States_WA'
   'Region Central' 'Region Northeast' 'Region West'
21
22 'PolicyPaymentType AutoPay' 'PolicyPaymentType Manual']
23 **************
24
25
26
                            OLS Regression Results
28 Dep. Variable: Cancellation Rate R-squared
                       -0.157
29 Model:
                                 OLS
                                       Adj. R-squared
                   -0.163
30 Method:
                        Least Squares F-statistic
                      -24.26
                     Thu, 19 Sep 2019
31 Date:
                                       Prob (F-statistic
                  1.00
  ):
32 Time:
                                       Log-Likelihood
                             22:08:28
                   15991.
```

File -	Driver						
33	No. Observ	vations	}	2342	AIC		
	•		-3.	.195e+04			
34	Df Residua	als:		2328	BIC		
	:		-3.	.187e+04			
35	Df Model:			13			
	DI HOGEL.						
36	Covariance	. Typo:		nonrobust			
30	COval Talle	- турс.		Hom obust			
27				========			
3/							=====
20	=======	======	=======				
38			n. Lul			std err	
20		τ	P> T	[0.025		/5]	
39							
40	SoldByCha			-6.998e+		3.14e+08	-22
				-6.38e+09			
41	SoldByCha	nnel_Cal	ll Center	-6.998e+ -6.38e+09	09	3.14e+08	-22
42	SoldByCha	nnel_Ref	ferral	-6.998e+	09	3.14e+08	-22
	.311	0.000	-7.61e+09	-6.38e+09			
43	SoldByChai	nnel_Web	osite	-6.998e+	09	3.14e+08	-22
			-7.61e+09				
44	Property:	Top 10	States AZ	6.136e+	09	2.75e+08	22
		-		6.68e+09			
45	Property:	Top 10	States CA	6.136e+	09	2.75e+08	22
		-		6.68e+09			
46	Property:	Top 10	States LA	1.866e+	09	8.36e+07	22
				2.03e+09			
47				-1.87e+		8.38e+07	-22
		•	_	-1.71e+09			
48				-1.87e+		8.38e+07	-22
.			-2.03e+09			0.1200.07	
49				-1.87e+		8.38e+07	-22
'				-1.71e+09		0.300.07	
50				ers 1.866e+		8.36e+07	22
		•	_	2.03e+09		0.300107	22
51				1.866e+		8 360±07	22
	.311	•		2.03e+09		8.306+07	22
E 2						9 260107	วว
52		-	_	1.866e+		8.36e+07	22
F 3	.311			2.03e+09		2 750:00	22
53		10b T0		6.136e+		2.75e+08	22
	.311 0.000 5.6e+09 6.68e+09						
54	Region_Ce		4 00 1-			8.98e+08	22
				2.18e+10			
55	Region_No			2.377e+		1.07e+09	22
	.311	0.000	2.17e+10	2.59e+10			

File - Dr	iver							
56	Region_West	1.576e+	-10 7.06e+08					
	22.311 0.000 1.44e+10	1.71e+	-10					
57	PolicyPaymentType_AutoPay	-1.49e+	-10 6.68e+08 -					
	22.311 0.000 -1.62e+10	-1.36e+	-10					
58	PolicyPaymentType_Manual	-1.49e+	+10 6.68e+08 -					
	22.311 0.000 -1.62e+10	-1.36e+	-10					
59	=======================================		=======================================					
	=======================================							
60	Omnibus:	4846.811	Durbin-Watson					
	: 1.417							
61	Prob(Omnibus):	0.000	Jarque-Bera (JB					
): 26266989.979							
62	Skew:	16.796	Prob(JB					
): 0.6	30						
63	Kurtosis:	520.732	Cond. No					
	. 2.95e+15	15						
64	· ====================================							
	=======================================							
65								
	Warnings:							
67	[1] Standard Errors assume that the covariance matrix of							
	the errors is correctly specified.							
68	3. This might							
	indicate that there are							
69	strong multicollinearity probl	lems or th	at the design					
	matrix is singular.							
70								
	Process finished with exit code 0							
72								