Multiple Regression Analysis

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Abstract

Introduction

Data

Methodology

Results

Table 1: Simple Regression of Sales on TV

	Estimate	Std. Error	t value	$\Pr(> t)$
(Intercept)	7.03	0.46	15.36	0.00
TV	0.05	0.00	17.67	0.00

Table 2: Simple Regression of Sales on Radio

	Estimate	Std. Error	t value	$\Pr(> t)$
(Intercept)	9.31	0.56	16.54	0.00
Radio	0.20	0.02	9.92	0.00

Table 3: Simple Regression of Sales on Newspaper

rable of Simple 100610001011 of Sales of 100 mspaper				
	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	12.35	0.62	19.88	0.00
Newspaper	0.05	0.02	3.30	0.00

Conclusions

Table 4: Least Square Coefficient Estimates

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	2.94	0.31	9.42	0.00
TV	0.05	0.00	32.81	0.00
Radio	0.19	0.01	21.89	0.00
Newspaper	-0.00	0.01	-0.18	0.86

Table 5: Matrix of Correlation Coefficients
TV Radio Newspaper Sal Sales TV1.00 0.050.06 0.78Radio 0.051.00 0.350.580.060.351.000.23Newspaper Sales 0.780.580.231.00

Table 6: More Least Squares Terms

Value	Quantity
RSS	556.83
\$R^2^\$	0.90
F-Stat	570.27