Econ 753 HW2

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Part 1

Question 3a

	lnrent	lnmult	lnaccess	lnadd	lnmem
lnrent	1.0000000	-0.8673364	-0.8450792	-0.8397468	0.8756174
lnmult	-0.8673364	1.0000000	0.8626912	0.9771873	-0.7371050
lnaccess	-0.8450792	0.8626912	1.0000000	0.8457563	-0.6129908
lnadd	-0.8397468	0.9771873	0.8457563	1.0000000	-0.7295567
lnmem	0.8756174	-0.7371050	-0.6129908	-0.7295567	1.0000000

	lnrent	lnmult	lnaccess	lnadd	lnmem
lnrent	1.0000000	-0.6331708	-0.5849575	-0.6316314	0.8825522
lnmult	-0.6331708	1.0000000	0.7739316	0.9405762	-0.5707293
lnaccess	-0.5849575	0.7739316	1.0000000	0.8064029	-0.4648790
lnadd	-0.6316314	0.9405762	0.8064029	1.0000000	-0.5633702
lnmem	0.8825522	-0.5707293	-0.4648790	-0.5633702	1.0000000

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	-0.1045	0.3149	-0.3317	0.7411
d61	-0.1398	0.1665	-0.8398	0.4038
d62	-0.4891	0.1738	-2.815	0.006272
d63	-0.5938	0.1661	-3.575	0.000625
d64	-0.9248	0.1663	-5.561	4.169e-07
d65	-1.163	0.1661	-7.003	1.03e-09
lnmult	-0.06537	0.02841	-2.301	0.02427
lnmem	0.5793	0.03539	16.37	3.868e-26
lnaccess	-0.1406	0.02933	-4.794	8.376e-06

Table 4: Fitting linear model: lnrent ~ d61 + d62 + d63 + d64 + d65 + lnmult + lnmem + lnaccess

Observations	Residual Std. Error	R^2	Adjusted R^2
82	0.3842	0.9084	0.8984

Year	Estimated_Coefficient	Price_Index
1960	-0.1044553	1.0000000
1961	-0.1397971	0.8695346
1962	-0.4891062	0.6131742
1963	-0.5938483	0.5521982
1964	-0.9248183	0.3966035
1965	-1.1631690	0.3124943