

Report

User :shree

Name :Admin Admin

Email ID :riteshsharma@iitb.ac.in

University/College Name :



June 12, 2013, 11:52 am

Experiment No. 2

Trip Generation: Regression Analysis

Correlation Matrix				
	Trip Production	Population	Household	Car ownership
Trip Production	1	0.5055	0.5351	0.2556
Population	0.5055	1	0.9851	0.5392
Household	0.5351	0.9851	1	0.5232
Car ownership	0.2556	0.5392	0.5232	1



June 12, 2013, 11:42 am

Experiment No. 2

Trip Generation: Regression Analysis

Correlation Matrix				
	Trip Production	Population	Household	Car ownership
Trip Production	1	0.5055	0.5351	0.2556
Population	0.5055	1	0.9851	0.5392
Household	0.5351	0.9851	1	0.5232
Car ownership	0.2556	0.5392	0.5232	1



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Experiment No. 2

Trip Generation: Regression Analysis

Correlation Matrix				
	Trip Production	Population	Household	Car ownership
Trip Production	1	0.5055	0.5351	0.2556
Population	0.5055	1	0.9851	0.5392
Household	0.5351	0.9851	1	0.5232
Car ownership	0.2556	0.5392	0.5232	1



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Model Used : Quadratic Regression :

Equation: $TP = 11514.415172586 + (-3.077650771576)*(POP) + (17.892241811833)*(HS) + (-0.71839068546895)*(CW) + (1.5359105488483E-5)*(POP)^2 + (-0.00035405154776351)*(HS)^2 + (2.7097129001417E-5)*(CW)^2$

Trip for each zone(T[i])	Number of Trips
T[1]	65210.742962729
T[2]	52077.6355425
T[3]	93375.579533486
T[4]	51615.747161091
T[5]	76161.606059642
T[6]	107862.60570739
T[7]	45966.083285047
T[8]	39737.41855296
T[9]	43735.736311804



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T[10]	48509.375309227
T[11]	55883.999791974
T[12]	65214.201221942
T[13]	72471.117772949
T[14]	60427.703131026
T[15]	13750.589746638
T[16]	77967.20058807
T[17]	71925.74257335
T[18]	77104.390597951
T[19]	67452.582663589
T[20]	68930.645407649
T[21]	73746.183100342
T[22]	65787.927444011
T[23]	59767.552478207
T[24]	68558.33705307



T[25]	79439.387104707
T[26]	65921.724348805
T[27]	57195.45701309
T[28]	67450.861167018
T[29]	61980.350103387
T[30]	52625.074622666
T[31]	77174.354392563
T[32]	36255.452188502
T[33]	69900.03156612
T[34]	42739.934707901
T[35]	65717.521473774
T[36]	67673.888092287
T[37]	27376.998991616
T[38]	38019.07226949
T[39]	65252.914042307



T[40]	58321.474269555
T[41]	46722.311117976
T[42]	52202.100819087
T[43]	41463.89080433
T[44]	46831.779443313
T[45]	56734.655908166
T[46]	73584.976451834
T[47]	76486.344522689
T[48]	41839.012200468
T[49]	78228.274862122
T[50]	65573.243708298
T[51]	27367.197578972
T[52]	60093.586002155
T[53]	35476.78726539
T[54]	37177.668530398



T[55]	61584.158166997
T[56]	55745.85860009
T[57]	56843.344686367
T[58]	16677.589817389
T[59]	37090.45787347
T[60]	12763.316746821
T[61]	48048.116037587
T[62]	41164.544065492
T[63]	88789.668949546
T[64]	33235.420250615
T[65]	44829.854962602
T[66]	73790.482803161
T[67]	20422.279495371
T[68]	79784.871705211
T[69]	14279.428577821



T[70]	29452.577275888
T[71]	76951.270425953
T[72]	42905.528924624
T[73]	45614.712213509
T[74]	76024.057219248
T[75]	74271.124894813
T[76]	38722.697270852
T[77]	42669.105663392
T[78]	16587.431211646
T[79]	40487.220775217
T[80]	43350.466293664
T[81]	45945.160627613
T[82]	36656.254721611
T[83]	57264.244438489
T[84]	45305.687561423



T[85]	32538.322060911
T[86]	12794.410764861
T[87]	18402.226230369
T[88]	13971.305446617
T[89]	29821.838981301
T[90]	47025.005967638
T[91]	22091.928727335

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Trip Production	1	0.5055	0.5351	0.2556
Population	0.5055	1	0.9851	0.5392
Household	0.5351	0.9851	1	0.5232
Car ownership	0.2556	0.5392	0.5232	1



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Experiment No. 2

Trip Generation: Regression Analysis

Correlation Matrix				
	Trip Production	Population	Household	Car ownership
Trip Production	1	0.5055	0.5351	0.2556
Population	0.5055	1	0.9851	0.5392
Household	0.5351	0.9851	1	0.5232
Car ownership	0.2556	0.5392	0.5232	1



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Experiment No. 2

Trip Generation: Regression Analysis

Correlation Matrix				
	Trip Production	Population	Household	Car ownership
Trip Production	1	0.5055	0.5351	0.2556
Population	0.5055	1	0.9851	0.5392
Household	0.5351	0.9851	1	0.5232
Car ownership	0.2556	0.5392	0.5232	1

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Trip Generation: Regression Analysis

Correlation Matrix				
	Trip Production	Population	Household	Car ownership
Trip Production	1	0.5055	0.5351	0.2556
Population	0.5055	1	0.9851	0.5392
Household	0.5351	0.9851	1	0.5232
Car ownership	0.2556	0.5392	0.5232	1