

Report

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Experiment No. 2

Trip Generation: Regression Analysis

Model Used : Linear Regression :

Equation: Trip Production = $(1.7588713457895) \times (\text{Car ownership}) +$

Trip for each zone(T[i])	Number of Trips
T[1]	50356.443716929
T[2]	50491.876810555
T[3]	51095.169682161
T[4]	52124.109419448
T[5]	53072.141074828
T[6]	117888.30903852
T[7]	47765.626224581
T[8]	47515.866493479
T[9]	48901.857113961



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T[10]	66224.980998642
T[11]	61470.751750973
T[12]	74546.201335573
T[13]	85361.501240832
T[14]	48585.260271719
T[15]	47631.952002301
T[16]	49930.796851248
T[17]	49309.915266185
T[18]	53172.396741538
T[19]	52827.657957764
T[20]	51638.66092801
T[21]	49339.816079063
T[22]	54834.53016331
T[23]	65896.07205698
T[24]	52611.316782232



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T[25]	54969.963256935
T[26]	56820.295912706
T[27]	54808.147093123
T[28]	49739.079874557
T[29]	54345.56392918
T[30]	55666.476309868
T[31]	58950.289112457
T[32]	50578.061506499
T[33]	64429.173354591
T[34]	57497.461380835
T[35]	60301.102306023
T[36]	65523.191331672
T[37]	47839.498821105
T[38]	47966.137558001
T[39]	47850.052049179



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T[40]	48108.60613701
T[41]	50725.806699545
T[42]	48884.268400504
T[43]	51862.037588925
T[44]	51190.148734834
T[45]	47359.326943704
T[46]	49392.582219437
T[47]	48375.95458157
T[48]	52219.088472121
T[49]	56545.911982763
T[50]	47023.382516658
T[51]	48163.13114873
T[52]	47660.093943834
T[53]	49060.155535083
T[54]	46880.913937649



T[55]	47992.520628188
T[56]	48968.694225101
T[57]	49528.015313063
T[58]	47517.625364825
T[59]	48333.741669271
T[60]	46777.140528248
T[61]	48185.996476225
T[62]	47777.938324002
T[63]	49559.674997287
T[64]	49999.392833734
T[65]	49276.496710615
T[66]	49360.922535213
T[67]	48558.877201533
T[68]	48959.899868373
T[69]	46835.183282659



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T[70]	47595.01570404
T[71]	48555.359458841
T[72]	48592.295757103
T[73]	50261.464664257
T[74]	57752.497725974
T[75]	53631.462162789
T[76]	47475.412452526
T[77]	50593.891348611
T[78]	46800.005855743
T[79]	50727.565570891
T[80]	48741.799821495
T[81]	48509.62880385
T[82]	48390.025552337
T[83]	55284.801227832
T[84]	48117.400493739



T[85]	49137.545874297
T[86]	47522.901978862
T[87]	47918.648031665
T[88]	46961.822019556
T[89]	48279.216657552
T[90]	49272.978967923
T[91]	48886.027271849