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ABSTRACT

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Department: Landscape Architecture and Environmental Planning

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CHAPTER I

INTRODUCTION

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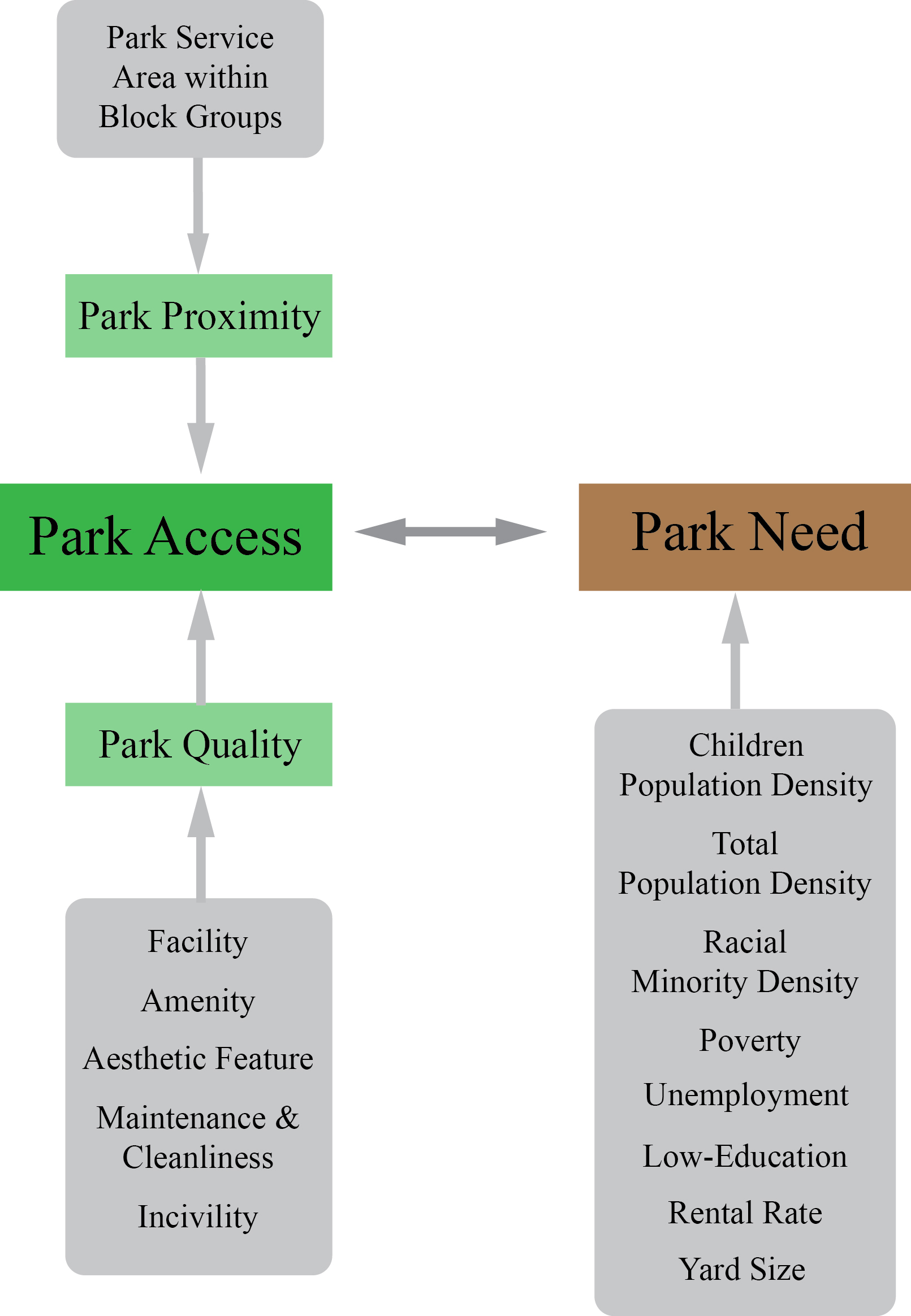
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CHAPTER III

METHODS

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*Figure 1.* Method framework diagram.

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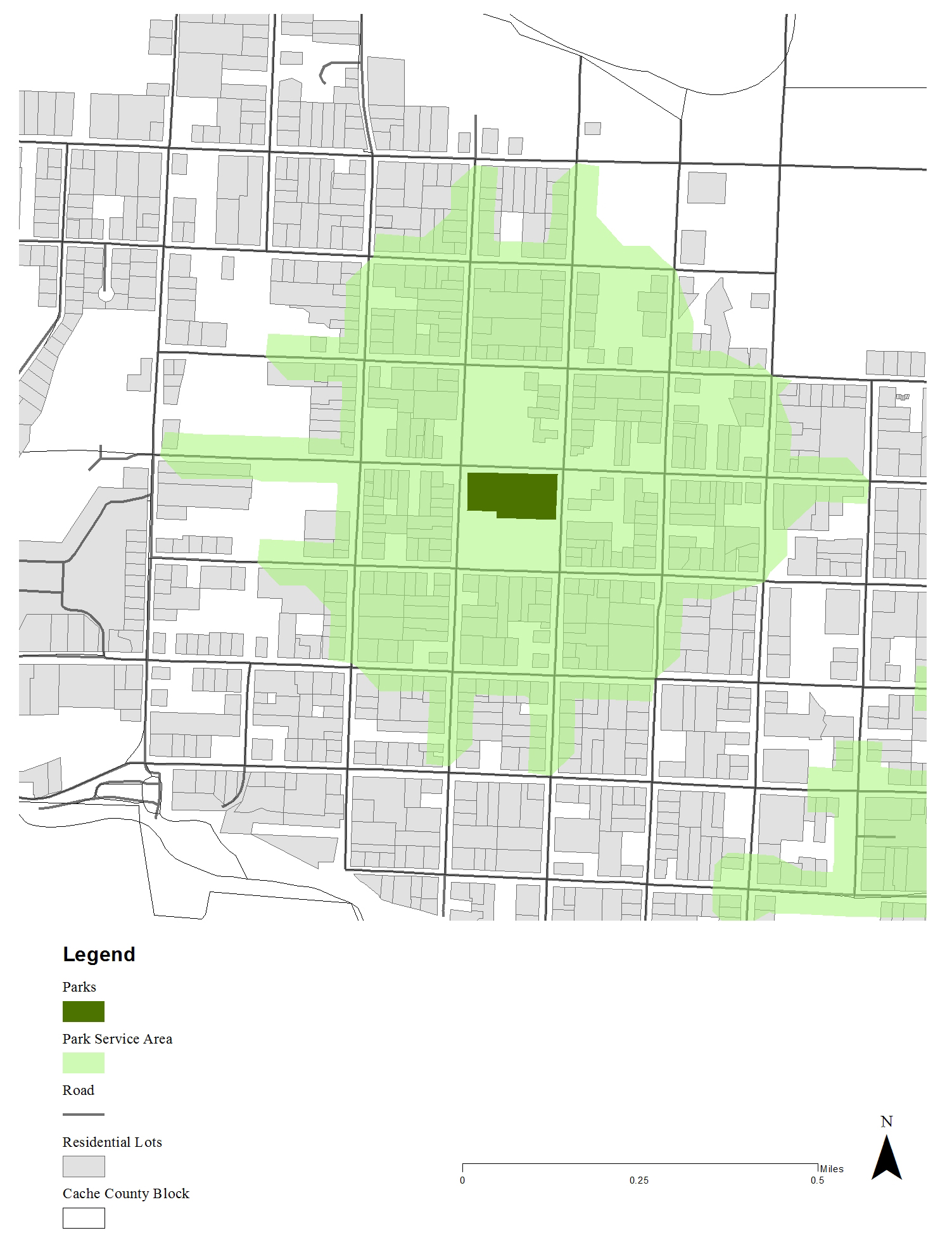
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*Figure 2.* An example neighborhood showing how to define Park Proximity with network analysis.

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CHAPTER IV

RESULTS

**Sample Characteristics**

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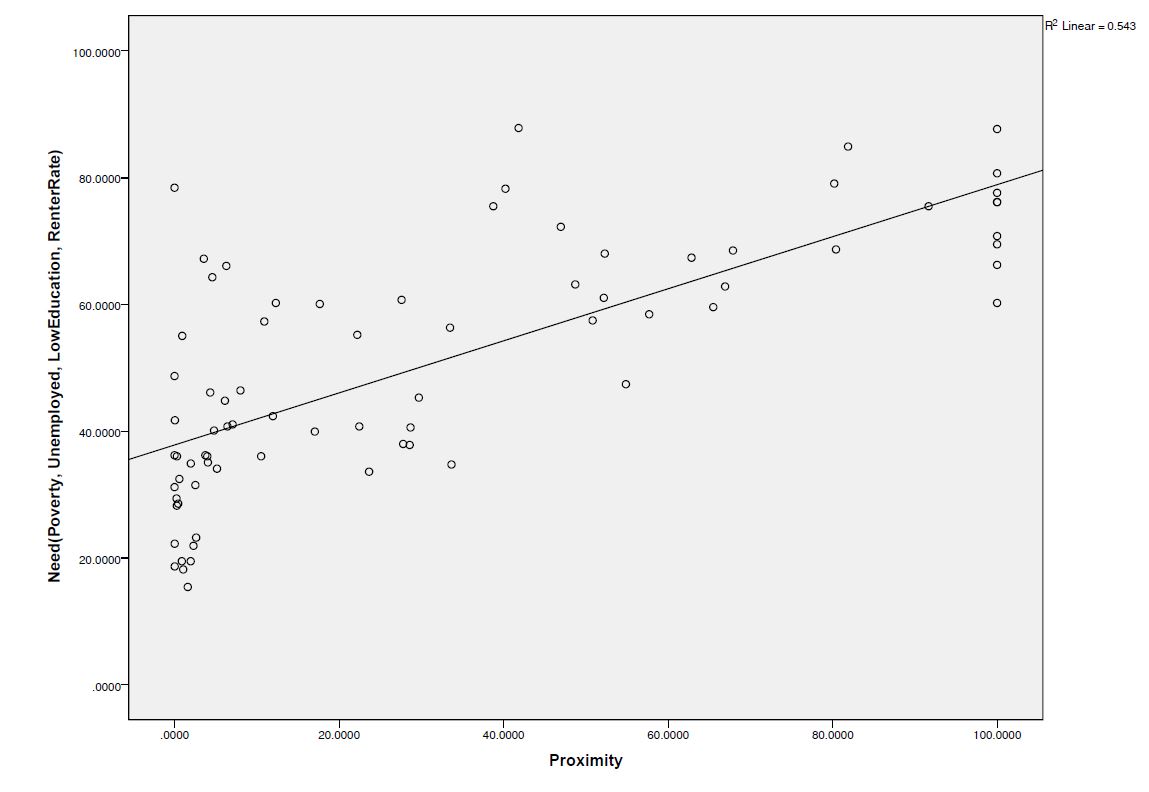
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Table 2

*The Bivariate and Partial Correlations of the Predictors with Park Need*

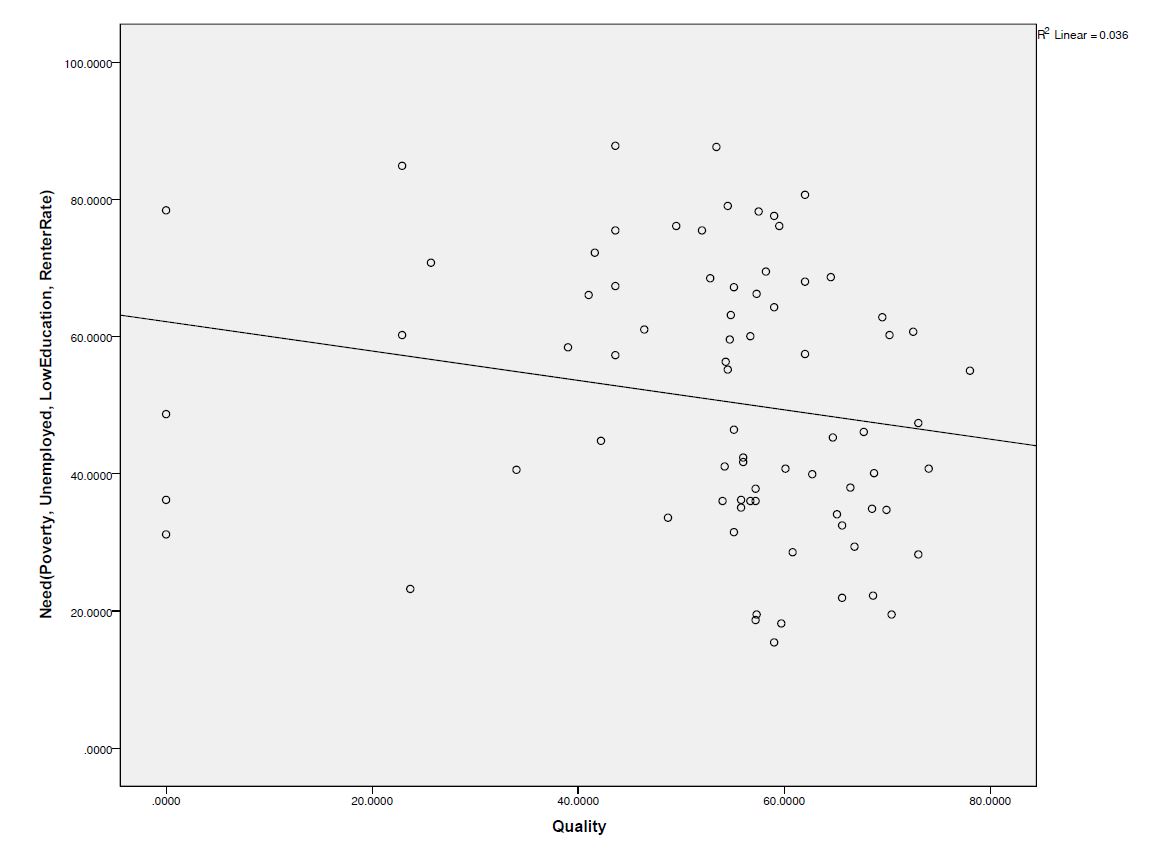
|  |  |  |
| --- | --- | --- |
| Predictor | Correlation with Park Need Index4 | Correlation with Park Need Index4 controlling for all other predictors |
| Park Proximity | .74\* | .73\* |
| Overall park quality | -.22 | -.15 |

*\*p*< .001

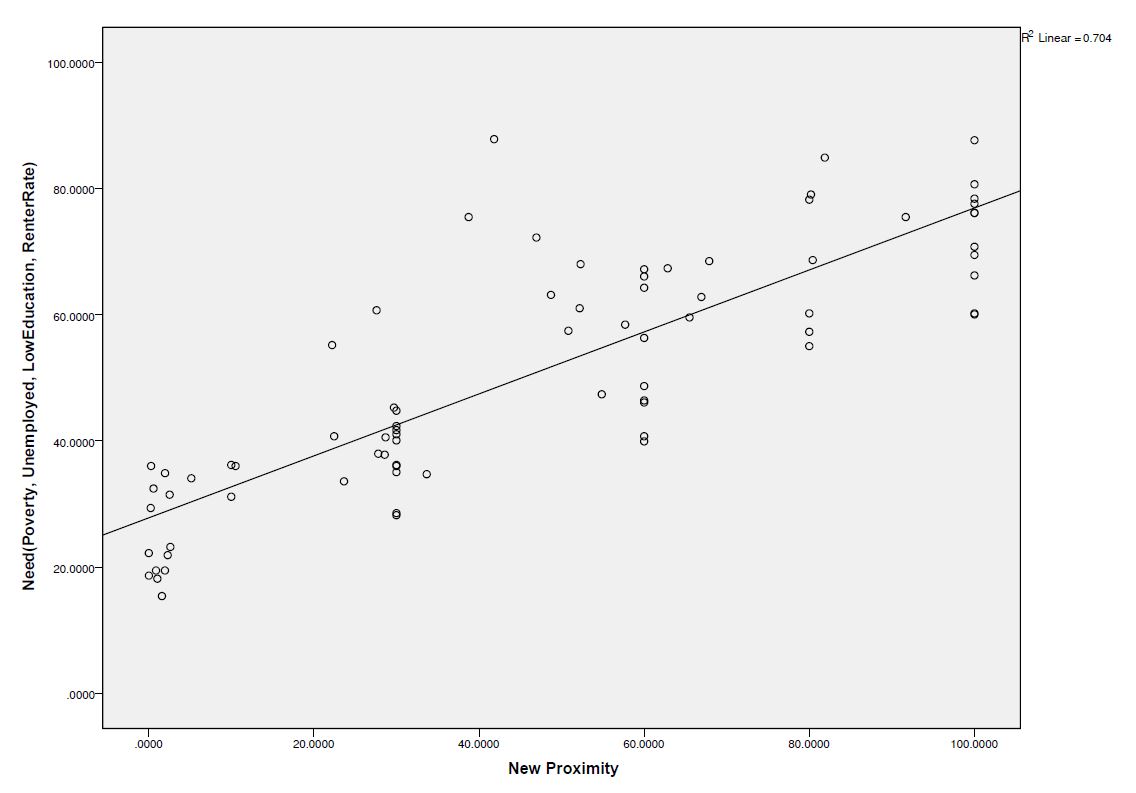


*Figure 5.*Bivariate scatterplot of Park Need with Park Proximity.

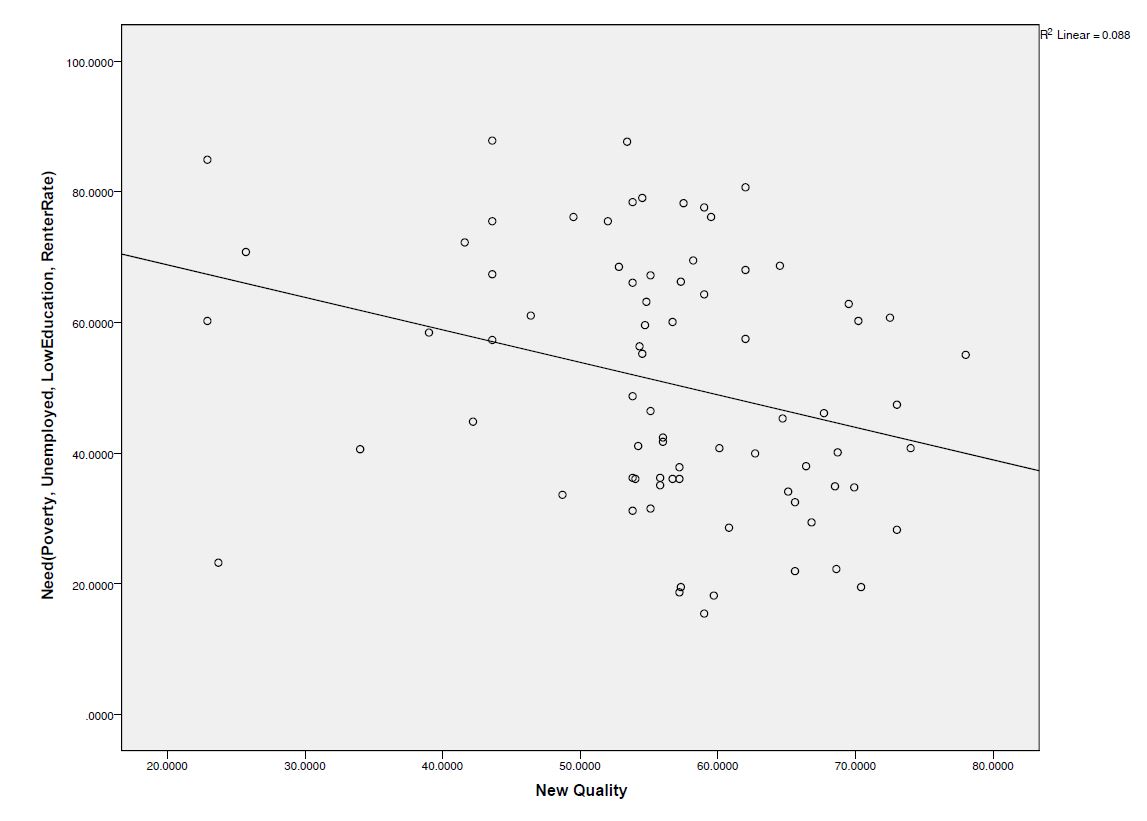
As it shown in Figure 5, children’s Potential Park Need was positively related to Park Proximity. The measure of Park Proximity increases as Park Need increases. The results of the correlational analysis conducted using Pearson’s R indicates that the correlation is significant, *r* (75) = .74, *p* <.001, R2 = .54



*Figure 6.*Bivariate scatterplot of Park Need with Park Quality.



*Figure 7.* Bivariate scatterplot of Park Need with Proposed Park Proximity.



*Figure 8.*Bivariate scatterplot of Park Need with Proposed Park Overall Quality.

Table 4

*The Bivariate Correlations Assessing Different Contributing Variables of Park Need Index4 with Park Need, Park Proximity, and Overall Park Quality*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Park Need Index4 contributing variables | | | | | | |  |
|  | Children population | Total population | Minority | Poverty | Unemployment | Low-Education | Renter  Rate | Build  ing Size |
| Park Need | .831\*\* | .928\*\* | .952\*\* | .76\*\* | .15 | .273\* | .84\*\* | .618\*\* |
| Park Proximity | .618\*\* | .731\*\* | .726\*\* | .54\*\* | -.069 | .162 | .545\*\* | .692\*\* |
| Overall Park Quality | -.044 | -.092 | -.154 | -.31\*\* | -.171 | -.138 | -.261\* | .151 |

*\*\*. P* < 0.001

*\*. P* < 0.05Table 5

*The Bivariate Correlations Assessing Different Park Need Indexes with Different*

*Socio-economic Variables*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Park Need Index4 | Park Need Index3 | Park Need Index2 | Park Need Index1 |
| Park Need Index4 | 1 | .993\* | .964\* | .947\* |
| Park Need Index3 | .993\* | 1 | .976\* | .956\* |
| Park Need Index2 | .964\* | .976\* | 1 | .974\* |
| Park Need  Index1 | .947\* | .956\* | .974\* | 1 |

*\*. P* < 0.001

1 Park Need Index with only Poverty

2 Park Need Index with both Poverty and Unemployment

3 Park Need Index with Poverty, Unemployment, and Low-Education

4 Park Need Index with all Poverty, Unemployment, Low-Education, and Renter Rate

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CHAPTER V

CONCLUSIONS

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APPENDICES

Appendix A. Population Density Data of Cache County, Utah

(Variables of Park Need)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **GEOdisplaylabel** | **ChildrenD** | **Children** | **TotalD** | **Total** | **MinorityD** | **Minority** |
| Block Group 2, Census Tract 11.02 | 892.04 | 77.92 | 2816.00 | 64.94 | 165.74 | 51.95 |
| Block Group 2, Census Tract 12.01 | 557.15 | 58.44 | 1427.00 | 45.45 | 42.05 | 28.57 |
| Block Group 3, Census Tract 5.01 | 665.94 | 61.04 | 3272.00 | 71.43 | 840.41 | 79.22 |
| Block Group 2, Census Tract 5.01 | 2141.18 | 96.10 | 7966.00 | 93.51 | 2056.38 | 96.10 |
| Block Group 3, Census Tract 6 | 124.58 | 28.57 | 2118.00 | 58.44 | 338.87 | 62.34 |
| Block Group 2, Census Tract 6 | 1592.40 | 88.31 | 5592.00 | 85.71 | 1077.65 | 85.71 |
| Block Group 1, Census Tract 6 | 845.09 | 75.32 | 2991.00 | 67.53 | 640.42 | 71.43 |
| Block Group 4, Census Tract 8 | 985.98 | 81.82 | 6966.00 | 92.21 | 1707.61 | 93.51 |
| Block Group 3, Census Tract 7.01 | 390.62 | 41.56 | 2010.00 | 57.14 | 157.80 | 50.65 |
| Block Group 3, Census Tract 8 | 541.14 | 57.14 | 3654.00 | 74.03 | 656.27 | 72.73 |
| Block Group 2, Census Tract 8 | 1855.55 | 92.21 | 6675.00 | 90.91 | 1019.60 | 83.12 |
| Block Group 1, Census Tract 8 | 468.97 | 48.05 | 16260.00 | 97.40 | 1503.94 | 90.91 |
| Block Group 3, Census Tract 9 | 1587.79 | 87.01 | 4744.00 | 81.82 | 612.16 | 70.13 |
| Block Group 1, Census Tract 9 | 1103.95 | 83.12 | 5430.00 | 84.42 | 1070.27 | 84.42 |
| Block Group 2, Census Tract 9 | 799.73 | 72.73 | 4185.00 | 76.62 | 765.94 | 77.92 |
| Block Group 2, Census Tract 10.02 | 1426.71 | 85.71 | 3729.00 | 75.32 | 1271.73 | 88.31 |
| Block Group 1, Census Tract 10.02 | 760.07 | 68.83 | 4271.00 | 77.92 | 689.22 | 74.03 |
| Block Group 1, Census Tract 2.02 | 2165.36 | 97.40 | 4837.00 | 83.12 | 383.63 | 63.64 |
| Block Group 1, Census Tract 3 | 15.66 | 9.09 | 41.00 | 7.79 | 5.18 | 11.69 |
| Block Group 2, Census Tract 3 | 11.13 | 7.79 | 31.00 | 6.49 | 2.08 | 5.19 |
| Block Group 1, Census Tract 13 | 28.42 | 12.99 | 71.00 | 11.69 | 3.76 | 7.79 |
| Block Group 2, Census Tract 13 | 26.82 | 11.69 | 82.00 | 12.99 | 4.28 | 10.39 |
| Block Group 2, Census Tract 1.01 | 17.30 | 10.39 | 53.00 | 10.39 | 6.64 | 14.29 |
| Block Group 1, Census Tract 4.01 | 485.36 | 50.65 | 2183.00 | 61.04 | 397.65 | 64.94 |
| Block Group 2, Census Tract 4.01 | 424.06 | 45.45 | 1224.00 | 41.56 | 91.92 | 38.96 |
| Block Group 1, Census Tract 4.03 | 860.65 | 76.62 | 1851.00 | 54.55 | 146.25 | 48.05 |
| Block Group 2, Census Tract 7.02 | 36.19 | 16.88 | 4681.00 | 80.52 | 744.42 | 75.32 |
| Block Group 1, Census Tract 1.01 | 44.05 | 18.18 | 126.00 | 16.88 | 5.66 | 12.99 |
| Block Group 1, Census Tract 9801 | 0.01 | 1.30 | 0.00 | 1.30 | 0.00 | 1.30 |
| Block Group 3, Census Tract 1.01 | 30.60 | 14.29 | 89.00 | 14.29 | 6.87 | 15.58 |
| Block Group 4, Census Tract 2.02 | 108.67 | 25.97 | 346.00 | 24.68 | 18.89 | 22.08 |
| Block Group 2, Census Tract 2.02 | 265.85 | 37.66 | 634.00 | 33.77 | 47.06 | 32.47 |
| Block Group 2, Census Tract 4.03 | 91.08 | 24.68 | 242.00 | 22.08 | 43.10 | 29.87 |
| Block Group 3, Census Tract 3 | 6.91 | 3.90 | 42.00 | 9.09 | 9.67 | 16.88 |
| Block Group 2, Census Tract 5.02 | 771.13 | 70.13 | 2752.00 | 63.64 | 753.68 | 76.62 |
| Block Group 3, Census Tract 4.03 | 404.00 | 42.86 | 1307.00 | 44.16 | 80.80 | 36.36 |
| Block Group 1, Census Tract 4.02 | 113.55 | 27.27 | 325.00 | 23.38 | 14.84 | 19.48 |
| Block Group 4, Census Tract 4.03 | 694.14 | 64.94 | 1847.00 | 53.25 | 81.58 | 37.66 |
| Block Group 4, Census Tract 5.01 | 2048.79 | 94.81 | 5918.00 | 87.01 | 1537.83 | 92.21 |
| Block Group 1, Census Tract 5.01 | 1822.10 | 90.91 | 6135.00 | 88.31 | 1732.57 | 94.81 |
| Block Group 1, Census Tract 7.02 | 231.21 | 36.36 | 832.00 | 36.36 | 303.14 | 58.44 |
| Block Group 4, Census Tract 6 | 1688.23 | 89.61 | 6409.00 | 89.61 | 876.90 | 80.52 |
| Block Group 6, Census Tract 6 | 2000.00 | 93.51 | 33065.00 | 100.00 | 2403.35 | 97.40 |
| Block Group 1, Census Tract 14.02 | 155.20 | 33.77 | 412.00 | 29.87 | 45.65 | 31.17 |
| Block Group 2, Census Tract 14.02 | 373.40 | 40.26 | 777.00 | 35.06 | 248.78 | 54.55 |
| Block Group 4, Census Tract 10.02 | 667.04 | 62.34 | 1833.00 | 51.95 | 422.89 | 66.23 |
| Block Group 1, Census Tract 10.01 | 920.26 | 79.22 | 2830.00 | 66.23 | 922.36 | 81.82 |
| Block Group 5, Census Tract 6 | 739.84 | 67.53 | 8786.00 | 96.10 | 1464.27 | 89.61 |
| Block Group 1, Census Tract 11.02 | 518.41 | 54.55 | 1525.00 | 48.05 | 127.29 | 44.16 |
| Block Group 4, Census Tract 3 | 513.22 | 51.95 | 1135.00 | 38.96 | 322.01 | 61.04 |
| Block Group 3, Census Tract 12.01 | 83.57 | 22.08 | 368.00 | 25.97 | 19.07 | 23.38 |
| Block Group 1, Census Tract 12.02 | 153.68 | 32.47 | 375.00 | 27.27 | 35.91 | 25.97 |
| Block Group 1, Census Tract 11.01 | 732.31 | 66.23 | 2366.00 | 62.34 | 214.61 | 53.25 |
| Block Group 3, Census Tract 11.02 | 430.97 | 46.75 | 1560.00 | 49.35 | 156.53 | 49.35 |
| Block Group 3, Census Tract 14.02 | 358.20 | 38.96 | 1190.00 | 40.26 | 320.49 | 59.74 |
| Block Group 3, Census Tract 14.01 | 143.47 | 29.87 | 425.00 | 32.47 | 54.54 | 33.77 |
| Block Group 2, Census Tract 14.01 | 776.22 | 71.43 | 1870.00 | 55.84 | 276.06 | 57.14 |
| Block Group 1, Census Tract 14.01 | 197.84 | 35.06 | 419.00 | 31.17 | 95.20 | 40.26 |
| Block Group 3, Census Tract 2.02 | 146.84 | 31.17 | 391.00 | 28.57 | 39.69 | 27.27 |
| Block Group 1, Census Tract 5.02 | 945.68 | 80.52 | 3220.00 | 70.13 | 554.51 | 68.83 |
| Block Group 2, Census Tract 12.02 | 534.11 | 55.84 | 1115.00 | 37.66 | 142.79 | 46.75 |
| Block Group 3, Census Tract 11.02 | 687.19 | 63.64 | 2137.00 | 59.74 | 257.70 | 55.84 |
| Block Group 3, Census Tract 7.02 | 4199.34 | 100.00 | 26015.00 | 98.70 | 7474.82 | 100.00 |
| Block Group 2, Census Tract 4.02 | 803.05 | 74.03 | 3004.00 | 68.83 | 142.51 | 45.45 |
| Block Group 1, Census Tract 12.01 | 585.70 | 59.74 | 1438.00 | 46.75 | 118.45 | 42.86 |
| Block Group 2, Census Tract 2.01 | 62.17 | 19.48 | 212.00 | 18.18 | 17.16 | 20.78 |
| Block Group 2, Census Tract 10.01 | 3255.96 | 98.70 | 8622.00 | 94.81 | 3261.66 | 98.70 |
| Block Group 1, Census Tract 15 | 7.05 | 5.19 | 22.00 | 3.90 | 1.13 | 3.90 |
| Block Group 2, Census Tract 15 | 69.35 | 20.78 | 232.00 | 20.78 | 10.97 | 18.18 |
| Block Group 1, Census Tract 2.01 | 89.81 | 23.38 | 231.00 | 19.48 | 21.30 | 24.68 |
| Block Group 2, Census Tract 1.02 | 6.42 | 2.60 | 18.00 | 2.60 | 0.47 | 2.60 |
| Block Group 1, Census Tract 1.02 | 7.53 | 6.49 | 25.00 | 5.19 | 3.11 | 6.49 |
| Block Group 1, Census Tract 7.01 | 482.76 | 49.35 | 1694.00 | 50.65 | 98.71 | 41.56 |
| Block Group 2, Census Tract 7.01 | 515.47 | 53.25 | 4475.00 | 79.22 | 452.66 | 67.53 |
| Block Group 3, Census Tract 10.02 | 1296.51 | 84.42 | 3389.00 | 72.73 | 1148.96 | 87.01 |
| Block Group 2, Census Tract 11.01 | 415.55 | 44.16 | 1267.00 | 42.86 | 71.08 | 35.06 |
| Block Group 3, Census Tract 13 | 35.73 | 15.58 | 90.00 | 15.58 | 4.17 | 9.09 |
| ChildrenD: children density | | | | |  |  |
| Children: standardized children density | | |  |  |  |  |
| TotolD: total population density | | |  |  |  |  |
| Total: standardized total population density | | | |  |  |  |
| MinorityD: racial minority density | | | |  |  |  |
| Minority: standardized racial minority density | | | |  |  |  |

Appendix B. Socio-demographic Data of Cache County, Utah

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **GEOdisplaylabel** | **Poverty** | **Unemployed** | **LowEducation** | **RenterRate** | **BuildingSize** |
| Block Group 2, Census Tract 11.02 | 20.95 | 48.49 | 0.03 | 31.00 | 49.30 |
| Block Group 2, Census Tract 12.01 | 9.60 | 30.66 | 0.04 | 13.00 | 40.80 |
| Block Group 3, Census Tract 5.01 | 48.29 | 29.39 | 0.20 | 47.00 | 34.90 |
| Block Group 2, Census Tract 5.01 | 45.68 | 33.88 | 0.07 | 83.00 | 48.50 |
| Block Group 3, Census Tract 6 | 32.53 | 42.11 | 0.05 | 39.00 | 39.10 |
| Block Group 2, Census Tract 6 | 49.92 | 30.46 | 0.17 | 89.00 | 27.90 |
| Block Group 1, Census Tract 6 | 76.79 | 17.61 | 0.00 | 83.00 | 24.20 |
| Block Group 4, Census Tract 8 | 55.41 | 32.31 | 0.06 | 68.00 | 49.30 |
| Block Group 3, Census Tract 7.01 | 36.91 | 51.70 | 0.02 | 37.00 | 25.00 |
| Block Group 3, Census Tract 8 | 54.21 | 44.75 | 0.17 | 83.00 | 25.30 |
| Block Group 2, Census Tract 8 | 59.90 | 24.27 | 0.00 | 78.00 | 58.30 |
| Block Group 1, Census Tract 8 | 72.74 | 36.40 | 0.04 | 94.00 | 61.00 |
| Block Group 3, Census Tract 9 | 53.40 | 18.96 | 0.07 | 54.00 | 45.70 |
| Block Group 1, Census Tract 9 | 40.98 | 37.40 | 0.04 | 61.00 | 64.70 |
| Block Group 2, Census Tract 9 | 38.22 | 29.39 | 0.02 | 33.00 | 65.60 |
| Block Group 2, Census Tract 10.02 | 31.14 | 25.87 | 0.24 | 80.00 | 29.50 |
| Block Group 1, Census Tract 10.02 | 33.04 | 28.48 | 0.11 | 55.00 | 38.30 |
| Block Group 1, Census Tract 2.02 | 20.48 | 34.36 | 0.01 | 17.00 | 54.00 |
| Block Group 1, Census Tract 3 | 26.45 | 31.24 | 0.08 | 12.00 | 12.30 |
| Block Group 2, Census Tract 3 | 9.85 | 35.45 | 0.04 | 3.00 | 6.90 |
| Block Group 1, Census Tract 13 | 12.37 | 22.22 | 0.02 | 8.00 | 10.30 |
| Block Group 2, Census Tract 13 | 13.75 | 39.05 | 0.08 | 18.00 | 10.80 |
| Block Group 2, Census Tract 1.01 | 26.88 | 32.77 | 0.09 | 12.00 | 9.70 |
| Block Group 1, Census Tract 4.01 | 42.73 | 41.44 | 0.15 | 74.00 | 15.30 |
| Block Group 2, Census Tract 4.01 | 16.34 | 50.97 | 0.00 | 20.00 | 30.90 |
| Block Group 1, Census Tract 4.03 | 5.96 | 38.97 | 0.01 | 10.00 | 44.90 |
| Block Group 2, Census Tract 7.02 | 37.04 | 55.56 | 0.07 | 100.00 | 1.40 |
| Block Group 1, Census Tract 1.01 | 16.95 | 17.60 | 0.04 | 13.00 | 11.30 |
| Block Group 1, Census Tract 9801 | 0.00 | 35.16 | 0.08 | 18.00 | 0.00 |
| Block Group 3, Census Tract 1.01 | 33.12 | 35.02 | 0.04 | 21.00 | 9.10 |
| Block Group 4, Census Tract 2.02 | 14.91 | 29.52 | 0.01 | 0.00 | 9.60 |
| Block Group 2, Census Tract 2.02 | 23.79 | 41.64 | 0.03 | 13.00 | 13.90 |
| Block Group 2, Census Tract 4.03 | 9.02 | 33.36 | 0.13 | 14.00 | 5.20 |
| Block Group 3, Census Tract 3 | 22.06 | 36.09 | 0.11 | 22.00 | 9.70 |
| Block Group 2, Census Tract 5.02 | 32.44 | 21.66 | 0.24 | 73.00 | 14.20 |
| Block Group 3, Census Tract 4.03 | 20.00 | 24.98 | 0.02 | 6.00 | 36.50 |
| Block Group 1, Census Tract 4.02 | 6.58 | 44.17 | 0.01 | 5.00 | 19.50 |
| Block Group 4, Census Tract 4.03 | 5.41 | 37.28 | 0.03 | 10.00 | 56.70 |
| Block Group 4, Census Tract 5.01 | 46.38 | 32.39 | 0.13 | 44.00 | 56.40 |
| Block Group 1, Census Tract 5.01 | 50.57 | 41.71 | 0.19 | 85.00 | 40.90 |
| Block Group 1, Census Tract 7.02 | 57.14 | 35.65 | 0.00 | 100.00 | 0.00 |
| Block Group 4, Census Tract 6 | 22.96 | 25.25 | 0.06 | 48.00 | 57.30 |
| Block Group 6, Census Tract 6 | 69.11 | 35.94 | 0.06 | 100.00 | 66.80 |
| Block Group 1, Census Tract 14.02 | 12.71 | 30.29 | 0.04 | 7.00 | 13.10 |
| Block Group 2, Census Tract 14.02 | 8.87 | 29.31 | 0.27 | 27.00 | 22.80 |
| Block Group 4, Census Tract 10.02 | 34.67 | 23.33 | 0.12 | 40.00 | 28.00 |
| Block Group 1, Census Tract 10.01 | 20.19 | 38.33 | 0.07 | 24.00 | 47.50 |
| Block Group 5, Census Tract 6 | 70.50 | 46.66 | 0.06 | 78.00 | 66.60 |
| Block Group 1, Census Tract 11.02 | 19.67 | 30.42 | 0.05 | 0.00 | 36.40 |
| Block Group 4, Census Tract 3 | 42.17 | 49.61 | 0.20 | 45.00 | 20.40 |
| Block Group 3, Census Tract 12.01 | 11.99 | 39.96 | 0.05 | 7.00 | 25.60 |
| Block Group 1, Census Tract 12.02 | 12.13 | 35.00 | 0.05 | 24.00 | 14.30 |
| Block Group 1, Census Tract 11.01 | 27.53 | 37.15 | 0.06 | 30.00 | 32.60 |
| Block Group 3, Census Tract 11.02 | 9.42 | 31.87 | 0.03 | 17.00 | 37.00 |
| Block Group 3, Census Tract 14.02 | 26.53 | 31.96 | 0.03 | 16.00 | 52.70 |
| Block Group 3, Census Tract 14.01 | 16.74 | 38.01 | 0.06 | 16.00 | 18.50 |
| Block Group 2, Census Tract 14.01 | 10.52 | 33.86 | 0.19 | 19.00 | 31.10 |
| Block Group 1, Census Tract 14.01 | 29.62 | 33.51 | 0.09 | 11.00 | 13.40 |
| Block Group 3, Census Tract 2.02 | 10.85 | 36.90 | 0.10 | 16.00 | 16.00 |
| Block Group 1, Census Tract 5.02 | 42.85 | 31.44 | 0.03 | 75.00 | 20.00 |
| Block Group 2, Census Tract 12.02 | 10.75 | 35.83 | 0.06 | 4.00 | 28.40 |
| Block Group 3, Census Tract 11.02 | 23.39 | 36.69 | 0.07 | 29.00 | 32.00 |
| Block Group 3, Census Tract 7.02 | 83.41 | 61.07 | 0.03 | 99.00 | 0.00 |
| Block Group 2, Census Tract 4.02 | 16.67 | 37.57 | 0.01 | 15.00 | 68.50 |
| Block Group 1, Census Tract 12.01 | 8.69 | 33.72 | 0.01 | 6.00 | 41.00 |
| Block Group 2, Census Tract 2.01 | 18.75 | 34.92 | 0.06 | 15.00 | 15.00 |
| Block Group 2, Census Tract 10.01 | 27.56 | 23.75 | 0.08 | 25.00 | 57.20 |
| Block Group 1, Census Tract 15 | 11.46 | 26.20 | 0.10 | 5.00 | 5.70 |
| Block Group 2, Census Tract 15 | 11.88 | 48.08 | 0.04 | 8.00 | 31.70 |
| Block Group 1, Census Tract 2.01 | 16.51 | 35.58 | 0.06 | 16.00 | 14.70 |
| Block Group 2, Census Tract 1.02 | 8.52 | 37.43 | 0.05 | 7.00 | 1.40 |
| Block Group 1, Census Tract 1.02 | 29.07 | 36.92 | 0.14 | 18.00 | 9.20 |
| Block Group 1, Census Tract 7.01 | 11.38 | 39.95 | 0.00 | 3.00 | 27.70 |
| Block Group 2, Census Tract 7.01 | 16.92 | 47.10 | 0.01 | 25.00 | 38.20 |
| Block Group 3, Census Tract 10.02 | 45.51 | 43.37 | 0.27 | 66.00 | 19.20 |
| Block Group 2, Census Tract 11.01 | 7.02 | 37.13 | 0.00 | 2.00 | 36.10 |
| Block Group 3, Census Tract 13 | 13.08 | 33.04 | 0.05 | 9.00 | 4.70 |
| Poverty: population percentage whose income falls below 125% of federal poverty line | | | | | |
| Unemployed: population percentage of unemployment | | | | | |
| Low-education: population percentage of people who achieved less than high school education | | | | | |
| Building Size: parcel size minus yard size | | | | | |
| Renter Rate: Percentage of renter occupied housing | | | | | |

Appendix C. Standardized Socio-demographic Data of Cache County, Utah

(Variables of Park Need)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **GEOdisplaylabel** | **Poverty** | **Unemployment** | **Low-education** | **RenterRate** | **BuildingSize** |
| Block Group 2, Census Tract 11.02 | 48.0519 | 93.5065 | 23.3766 | 62.3377 | 83.1169 |
| Block Group 2, Census Tract 12.01 | 14.2857 | 27.2727 | 41.5584 | 31.1688 | 72.7273 |
| Block Group 3, Census Tract 5.01 | 84.4156 | 19.4805 | 94.8052 | 71.4286 | 62.3377 |
| Block Group 2, Census Tract 5.01 | 81.8182 | 44.1558 | 62.3377 | 90.9091 | 80.5195 |
| Block Group 3, Census Tract 6 | 66.2338 | 84.4156 | 44.1558 | 66.2338 | 71.4286 |
| Block Group 2, Census Tract 6 | 85.7143 | 25.974 | 88.3117 | 93.5065 | 50.6494 |
| Block Group 1, Census Tract 6 | 98.7013 | 2.5974 | 7.7922 | 90.9091 | 44.1558 |
| Block Group 4, Census Tract 8 | 90.9091 | 33.7662 | 54.5455 | 79.2208 | 83.1169 |
| Block Group 3, Census Tract 7.01 | 71.4286 | 97.4026 | 22.0779 | 64.9351 | 45.4545 |
| Block Group 3, Census Tract 8 | 89.6104 | 88.3117 | 89.6104 | 90.9091 | 46.7532 |
| Block Group 2, Census Tract 8 | 93.5065 | 10.3896 | 7.7922 | 85.7143 | 92.2078 |
| Block Group 1, Census Tract 8 | 97.4026 | 59.7403 | 38.961 | 94.8052 | 93.5065 |
| Block Group 3, Census Tract 9 | 88.3117 | 3.8961 | 66.2338 | 74.026 | 77.9221 |
| Block Group 1, Census Tract 9 | 75.3247 | 68.8312 | 36.3636 | 76.6234 | 94.8052 |
| Block Group 2, Census Tract 9 | 74.026 | 20.7792 | 20.7792 | 63.6364 | 96.1039 |
| Block Group 2, Census Tract 10.02 | 63.6364 | 14.2857 | 97.4026 | 87.013 | 54.5455 |
| Block Group 1, Census Tract 10.02 | 67.5325 | 16.8831 | 79.2208 | 75.3247 | 70.1299 |
| Block Group 1, Census Tract 2.02 | 46.7532 | 45.4545 | 15.5844 | 42.8571 | 85.7143 |
| Block Group 1, Census Tract 3 | 54.5455 | 28.5714 | 72.7273 | 27.2727 | 23.3766 |
| Block Group 2, Census Tract 3 | 15.5844 | 51.9481 | 40.2597 | 6.4935 | 11.6883 |
| Block Group 1, Census Tract 13 | 27.2727 | 6.4935 | 18.1818 | 19.4805 | 19.4805 |
| Block Group 2, Census Tract 13 | 31.1688 | 76.6234 | 68.8312 | 46.7532 | 20.7792 |
| Block Group 2, Census Tract 1.01 | 57.1429 | 36.3636 | 75.3247 | 27.2727 | 18.1818 |
| Block Group 1, Census Tract 4.01 | 77.9221 | 80.5195 | 87.013 | 81.8182 | 33.7662 |
| Block Group 2, Census Tract 4.01 | 33.7662 | 96.1039 | 7.7922 | 49.3506 | 55.8442 |
| Block Group 1, Census Tract 4.03 | 3.8961 | 75.3247 | 12.987 | 23.3766 | 76.6234 |
| Block Group 2, Census Tract 7.02 | 72.7273 | 98.7013 | 63.6364 | 100 | 6.4935 |
| Block Group 1, Census Tract 1.01 | 40.2597 | 1.2987 | 32.4675 | 31.1688 | 22.0779 |
| Block Group 1, Census Tract 9801 | 1.2987 | 50.6494 | 71.4286 | 46.7532 | 3.8961 |
| Block Group 3, Census Tract 1.01 | 68.8312 | 49.3506 | 33.7662 | 50.6494 | 12.987 |
| Block Group 4, Census Tract 2.02 | 32.4675 | 22.0779 | 10.3896 | 2.5974 | 15.5844 |
| Block Group 2, Census Tract 2.02 | 53.2468 | 81.8182 | 31.1688 | 31.1688 | 27.2727 |
| Block Group 2, Census Tract 4.03 | 11.6883 | 38.961 | 83.1169 | 32.4675 | 9.0909 |
| Block Group 3, Census Tract 3 | 49.3506 | 58.4416 | 80.5195 | 51.9481 | 18.1818 |
| Block Group 2, Census Tract 5.02 | 64.9351 | 5.1948 | 96.1039 | 80.5195 | 28.5714 |
| Block Group 3, Census Tract 4.03 | 44.1558 | 11.6883 | 19.4805 | 12.987 | 66.2338 |
| Block Group 1, Census Tract 4.02 | 5.1948 | 87.013 | 16.8831 | 10.3896 | 38.961 |
| Block Group 4, Census Tract 4.03 | 2.5974 | 67.5325 | 24.6753 | 23.3766 | 88.3117 |
| Block Group 4, Census Tract 5.01 | 83.1169 | 35.0649 | 84.4156 | 68.8312 | 87.013 |
| Block Group 1, Census Tract 5.01 | 87.013 | 83.1169 | 90.9091 | 92.2078 | 74.026 |
| Block Group 1, Census Tract 7.02 | 92.2078 | 54.5455 | 7.7922 | 100 | 3.8961 |
| Block Group 4, Census Tract 6 | 50.6494 | 12.987 | 51.9481 | 72.7273 | 90.9091 |
| Block Group 6, Census Tract 6 | 94.8052 | 57.1429 | 61.039 | 100 | 98.7013 |
| Block Group 1, Census Tract 14.02 | 28.5714 | 23.3766 | 37.6623 | 16.8831 | 24.6753 |
| Block Group 2, Census Tract 14.02 | 10.3896 | 18.1818 | 98.7013 | 58.4416 | 42.8571 |
| Block Group 4, Census Tract 10.02 | 70.1299 | 7.7922 | 81.8182 | 67.5325 | 51.9481 |
| Block Group 1, Census Tract 10.01 | 45.4545 | 74.026 | 67.5325 | 54.5455 | 79.2208 |
| Block Group 5, Census Tract 6 | 96.1039 | 89.6104 | 57.1429 | 85.7143 | 97.4026 |
| Block Group 1, Census Tract 11.02 | 42.8571 | 24.6753 | 42.8571 | 2.5974 | 64.9351 |
| Block Group 4, Census Tract 3 | 76.6234 | 94.8052 | 93.5065 | 70.1299 | 41.5584 |
| Block Group 3, Census Tract 12.01 | 24.6753 | 79.2208 | 48.0519 | 16.8831 | 48.0519 |
| Block Group 1, Census Tract 12.02 | 25.974 | 48.0519 | 45.4545 | 54.5455 | 29.8701 |
| Block Group 1, Census Tract 11.01 | 58.4416 | 66.2338 | 59.7403 | 61.039 | 61.039 |
| Block Group 3, Census Tract 11.02 | 12.987 | 31.1688 | 25.974 | 42.8571 | 67.5325 |
| Block Group 3, Census Tract 14.02 | 55.8442 | 32.4675 | 27.2727 | 40.2597 | 84.4156 |
| Block Group 3, Census Tract 14.01 | 37.6623 | 72.7273 | 55.8442 | 40.2597 | 36.3636 |
| Block Group 2, Census Tract 14.01 | 16.8831 | 42.8571 | 92.2078 | 48.0519 | 57.1429 |
| Block Group 1, Census Tract 14.01 | 62.3377 | 40.2597 | 74.026 | 24.6753 | 25.974 |
| Block Group 3, Census Tract 2.02 | 19.4805 | 62.3377 | 76.6234 | 40.2597 | 35.0649 |
| Block Group 1, Census Tract 5.02 | 79.2208 | 29.8701 | 29.8701 | 83.1169 | 40.2597 |
| Block Group 2, Census Tract 12.02 | 18.1818 | 55.8442 | 50.6494 | 7.7922 | 53.2468 |
| Block Group 3, Census Tract 11.02 | 51.9481 | 61.039 | 64.9351 | 59.7403 | 59.7403 |
| Block Group 3, Census Tract 7.02 | 100 | 100 | 28.5714 | 96.1039 | 3.8961 |
| Block Group 2, Census Tract 4.02 | 36.3636 | 71.4286 | 9.0909 | 35.0649 | 100 |
| Block Group 1, Census Tract 12.01 | 9.0909 | 41.5584 | 14.2857 | 12.987 | 75.3247 |
| Block Group 2, Census Tract 2.01 | 41.5584 | 46.7532 | 58.4416 | 35.0649 | 32.4675 |
| Block Group 2, Census Tract 10.01 | 59.7403 | 9.0909 | 70.1299 | 57.1429 | 89.6104 |
| Block Group 1, Census Tract 15 | 22.0779 | 15.5844 | 77.9221 | 10.3896 | 10.3896 |
| Block Group 2, Census Tract 15 | 23.3766 | 92.2078 | 35.0649 | 19.4805 | 58.4416 |
| Block Group 1, Census Tract 2.01 | 35.0649 | 53.2468 | 53.2468 | 40.2597 | 31.1688 |
| Block Group 2, Census Tract 1.02 | 7.7922 | 70.1299 | 46.7532 | 16.8831 | 6.4935 |
| Block Group 1, Census Tract 1.02 | 61.039 | 63.6364 | 85.7143 | 46.7532 | 14.2857 |
| Block Group 1, Census Tract 7.01 | 20.7792 | 77.9221 | 7.7922 | 6.4935 | 49.3506 |
| Block Group 2, Census Tract 7.01 | 38.961 | 90.9091 | 11.6883 | 57.1429 | 68.8312 |
| Block Group 3, Census Tract 10.02 | 80.5195 | 85.7143 | 100 | 77.9221 | 37.6623 |
| Block Group 2, Census Tract 11.01 | 6.4935 | 64.9351 | 7.7922 | 3.8961 | 63.6364 |
| Block Group 3, Census Tract 13 | 29.8701 | 37.6623 | 49.3506 | 20.7792 | 7.7922 |
| Poverty: Standardized population percentage whose income falls below 125% of federal poverty line | | | | | |
| Unemployed: Standardized population percentage of unemployment | | | | | |
| Low-education: Standardized population percentage of people who achieved less than high school education | | | | | |
| Building Size: Standardized parcel size minus yard size | | | | | |
| Renter Rate: Standardized percentage of renter occupied housing | | | | | |

Appendix D. Park Quality Data among Block Groups of Cache County, Utah

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **GEOdisplaylabel** | **Facility** | **Amenity** | **Aesthetic** | **Maintain** | **Incivility** | **Overall** |
| Block Group 2, Census Tract 11.02 | 46.5 | 57.10 | 57.70 | 55.60 | 56.80 | 54.80 |
| Block Group 2, Census Tract 12.01 | 55.6 | 50.00 | 66.70 | 70.00 | 71.40 | 62.70 |
| Block Group 3, Census Tract 5.01 | 50 | 36.40 | 77.80 | 60.00 | 85.70 | 62.00 |
| Block Group 2, Census Tract 5.01 | 50 | 36.40 | 77.80 | 60.00 | 85.70 | 62.00 |
| Block Group 3, Census Tract 6 | 11.1 | 18.20 | 22.20 | 20.00 | 43.00 | 22.90 |
| Block Group 2, Census Tract 6 | 33.3 | 36.40 | 55.60 | 50.00 | 43.00 | 43.60 |
| Block Group 1, Census Tract 6 | 33.3 | 36.40 | 55.60 | 50.00 | 43.00 | 43.60 |
| Block Group 4, Census Tract 8 | 52.6 | 65.10 | 62.00 | 58.00 | 50.90 | 59.50 |
| Block Group 3, Census Tract 7.01 | 43.9 | 55.50 | 59.20 | 54.70 | 57.60 | 54.30 |
| Block Group 3, Census Tract 8 | 50.6 | 66.10 | 70.00 | 56.70 | 56.90 | 49.50 |
| Block Group 2, Census Tract 8 | 65.9 | 66.80 | 55.30 | 59.00 | 42.70 | 58.20 |
| Block Group 1, Census Tract 8 | 67 | 68.00 | 56.00 | 60.00 | 43.00 | 59.00 |
| Block Group 3, Census Tract 9 | 58.6 | 70.10 | 73.00 | 63.70 | 56.90 | 64.50 |
| Block Group 1, Census Tract 9 | 33.3 | 55.00 | 22.00 | 80.00 | 71.00 | 52.00 |
| Block Group 2, Census Tract 9 | 72.3 | 73.00 | 80.00 | 67.00 | 51.00 | 69.50 |
| Block Group 2, Census Tract 10.02 | 11.1 | 36.40 | 22.20 | 30.00 | 28.60 | 25.70 |
| Block Group 1, Census Tract 10.02 | 33.3 | 56.00 | 56.00 | 70.00 | 71.40 | 57.30 |
| Block Group 1, Census Tract 2.02 | 61.1 | 72.70 | 66.70 | 40.00 | 42.90 | 56.70 |
| Block Group 1, Census Tract 3 | 72.2 | 81.80 | 55.60 | 60.00 | 64.30 | 66.80 |
| Block Group 2, Census Tract 3 | 55.6 | 59.10 | 66.70 | 60.00 | 57.10 | 59.70 |
| Block Group 1, Census Tract 13 | 53.1 | 55.80 | 71.30 | 57.10 | 58.00 | 59.00 |
| Block Group 2, Census Tract 13 | 55.6 | 75.00 | 80.00 | 64.00 | 67.90 | 68.50 |
| Block Group 2, Census Tract 1.01 | 43.8 | 55.00 | 58.00 | 55.00 | 56.70 | 53.80 |
| Block Group 1, Census Tract 4.01 | 38.9 | 68.20 | 55.60 | 70.00 | 42.90 | 55.10 |
| Block Group 2, Census Tract 4.01 | 66.7 | 68.20 | 66.70 | 80.00 | 57.10 | 67.70 |
| Block Group 1, Census Tract 4.03 | 42.9 | 68.20 | 55.60 | 70.00 | 42.90 | 55.10 |
| Block Group 2, Census Tract 7.02 | 67 | 68.00 | 56.00 | 60.00 | 43.00 | 59.00 |
| Block Group 1, Census Tract 1.01 | 55.6 | 77.30 | 77.80 | 60.00 | 57.10 | 65.60 |
| Block Group 1, Census Tract 9801 | 55.6 | 77.30 | 88.90 | 50.00 | 71.40 | 68.60 |
| Block Group 3, Census Tract 1.01 | 55.6 | 77.30 | 77.80 | 60.00 | 57.10 | 65.60 |
| Block Group 4, Census Tract 2.02 | 61.1 | 63.60 | 88.90 | 60.00 | 78.60 | 70.40 |
| Block Group 2, Census Tract 2.02 | 27.8 | 31.80 | 55.60 | 70.00 | 85.70 | 54.20 |
| Block Group 2, Census Tract 4.03 | 38.9 | 68.20 | 55.60 | 70.00 | 42.90 | 55.10 |
| Block Group 3, Census Tract 3 | 43.8 | 55.00 | 58.00 | 55.00 | 56.70 | 54.00 |
| Block Group 2, Census Tract 5.02 | 52 | 65.00 | 77.80 | 70.00 | 80.00 | 72.50 |
| Block Group 3, Census Tract 4.03 | 73.1 | 68.20 | 68.60 | 68.30 | 71.40 | 69.90 |
| Block Group 1, Census Tract 4.02 | 44.4 | 63.60 | 88.90 | 50.00 | 57.10 | 60.80 |
| Block Group 4, Census Tract 4.03 | 50 | 72.70 | 66.70 | 70.00 | 64.30 | 64.70 |
| Block Group 4, Census Tract 5.01 | 50 | 50.00 | 55.60 | 60.00 | 57.10 | 54.50 |
| Block Group 1, Census Tract 5.01 | 61 | 77.00 | 55.60 | 30.00 | 43.00 | 53.40 |
| Block Group 1, Census Tract 7.02 | 43.8 | 55.00 | 58.00 | 55.00 | 56.70 | 53.80 |
| Block Group 4, Census Tract 6 | 33.3 | 36.40 | 55.60 | 50.00 | 43.00 | 43.60 |
| Block Group 6, Census Tract 6 | 33.3 | 36.40 | 55.60 | 50.00 | 43.00 | 43.60 |
| Block Group 1, Census Tract 14.02 | 72.2 | 63.60 | 77.80 | 80.00 | 71.40 | 73.00 |
| Block Group 2, Census Tract 14.02 | 42.9 | 43.90 | 33.30 | 42.00 | 42.90 | 42.20 |
| Block Group 4, Census Tract 10.02 | 50 | 36.40 | 77.80 | 60.00 | 85.70 | 62.00 |
| Block Group 1, Census Tract 10.01 | 42.8 | 54.70 | 54.40 | 63.00 | 48.50 | 52.80 |
| Block Group 5, Census Tract 6 | 21.1 | 28.20 | 27.20 | 30.00 | 43.00 | 22.90 |
| Block Group 1, Census Tract 11.02 | 33 | 32.00 | 22.00 | 40.00 | 43.00 | 34.00 |
| Block Group 4, Census Tract 3 | 43.8 | 55.00 | 58.00 | 55.00 | 56.70 | 53.80 |
| Block Group 3, Census Tract 12.01 | 47.5 | 57.50 | 63.20 | 58.00 | 57.00 | 56.70 |
| Block Group 1, Census Tract 12.02 | 45 | 57.60 | 62.00 | 56.00 | 58.30 | 55.80 |
| Block Group 1, Census Tract 11.01 | 39 | 48.30 | 56.80 | 52.00 | 36.00 | 46.40 |
| Block Group 3, Census Tract 11.02 | 50 | 86.00 | 67.00 | 80.00 | 86.00 | 74.00 |
| Block Group 3, Census Tract 14.02 | 72.2 | 63.60 | 77.80 | 80.00 | 71.40 | 73.00 |
| Block Group 3, Census Tract 14.01 | 38.9 | 68.20 | 55.60 | 60.00 | 57.10 | 56.00 |
| Block Group 2, Census Tract 14.01 | 44.4 | 41.00 | 55.60 | 60.00 | 71.40 | 54.50 |
| Block Group 1, Census Tract 14.01 | 38.9 | 68.20 | 55.60 | 60.00 | 57.10 | 56.00 |
| Block Group 3, Census Tract 2.02 | 57.8 | 61.00 | 86.70 | 59.00 | 79.20 | 68.70 |
| Block Group 1, Census Tract 5.02 | 51 | 63.00 | 74.80 | 68.00 | 76.00 | 70.20 |
| Block Group 2, Census Tract 12.02 | 49.5 | 60.20 | 63.80 | 65.00 | 62.80 | 60.10 |
| Block Group 3, Census Tract 11.02 | 48.9 | 70.10 | 48.90 | 60.00 | 55.70 | 54.70 |
| Block Group 3, Census Tract 7.02 | 43.8 | 55.00 | 58.00 | 55.00 | 56.70 | 53.80 |
| Block Group 2, Census Tract 4.02 | 56 | 82.00 | 67.00 | 100.00 | 86.00 | 78.00 |
| Block Group 1, Census Tract 12.01 | 37.7 | 61.80 | 57.80 | 66.00 | 62.80 | 57.20 |
| Block Group 2, Census Tract 2.01 | 52.8 | 73.20 | 65.60 | 68.00 | 65.80 | 65.10 |
| Block Group 2, Census Tract 10.01 | 27.8 | 36.40 | 22.20 | 50.00 | 71.40 | 41.60 |
| Block Group 1, Census Tract 15 | 45.6 | 49.10 | 71.10 | 58.00 | 57.10 | 57.20 |
| Block Group 2, Census Tract 15 | 45.6 | 49.10 | 71.10 | 58.00 | 57.10 | 57.20 |
| Block Group 1, Census Tract 2.01 | 58.3 | 68.60 | 65.60 | 41.00 | 45.70 | 55.80 |
| Block Group 2, Census Tract 1.02 | 50 | 63.60 | 55.60 | 60.00 | 57.10 | 57.30 |
| Block Group 1, Census Tract 1.02 | 43.8 | 55.00 | 58.00 | 55.00 | 56.70 | 53.80 |
| Block Group 1, Census Tract 7.01 | 50 | 70.00 | 71.30 | 72.00 | 68.70 | 66.40 |
| Block Group 2, Census Tract 7.01 | 50 | 32.00 | 22.00 | 50.00 | 43.00 | 39.00 |
| Block Group 3, Census Tract 10.02 | 47.8 | 56.30 | 69.00 | 52.00 | 62.80 | 57.50 |
| Block Group 2, Census Tract 11.01 | 44.4 | 45.50 | 66.70 | 30.00 | 57.10 | 48.70 |
| Block Group 3, Census Tract 13 | 11.1 | 36.40 | 22.20 | 20.00 | 28.60 | 23.70 |
| Facility: park facility score | | | | | | |
| Amenity: park amenity score | | | | | | |
| Aesthetic: park aesthetic feature score | | | | | | |
| Maintain: park maintenance&cleanliness score | | | | | | |
| Incivility: park incivility score | | | | | | |
| Overall: Park Overall Quality | | | | | | |

Appendix E. Park Proximity, Park Quality, and Park Need among all the Block Groups in Cache County, Utah

|  |  |  |  |
| --- | --- | --- | --- |
| **GEOdisplaylabel** | **Park Proximity** | **Park Quality** | **Park Need** |
| Block Group 2, Census Tract 11.02 | 48.72 | 54.80 | 63.1494 |
| Block Group 2, Census Tract 12.01 | 17.06 | 62.70 | 39.9351 |
| Block Group 3, Census Tract 5.01 | 52.30 | 62.00 | 68.0195 |
| Block Group 2, Census Tract 5.01 | 100.00 | 62.00 | 80.6818 |
| Block Group 3, Census Tract 6 | 100.00 | 22.90 | 60.2273 |
| Block Group 2, Census Tract 6 | 38.75 | 43.60 | 75.487 |
| Block Group 1, Census Tract 6 | 10.91 | 43.60 | 57.3052 |
| Block Group 4, Census Tract 8 | 100.00 | 59.50 | 76.1364 |
| Block Group 3, Census Tract 7.01 | 33.49 | 54.30 | 56.3312 |
| Block Group 3, Census Tract 8 | 100.00 | 49.50 | 76.1364 |
| Block Group 2, Census Tract 8 | 100.00 | 58.20 | 69.4805 |
| Block Group 1, Census Tract 8 | 100.00 | 59.00 | 77.5974 |
| Block Group 3, Census Tract 9 | 80.41 | 64.50 | 68.6688 |
| Block Group 1, Census Tract 9 | 91.67 | 52.00 | 75.487 |
| Block Group 2, Census Tract 9 | 66.93 | 69.50 | 62.8247 |
| Block Group 2, Census Tract 10.02 | 100.00 | 25.70 | 70.7792 |
| Block Group 1, Census Tract 10.02 | 100.00 | 57.30 | 66.2338 |
| Block Group 1, Census Tract 2.02 | 17.66 | 56.70 | 60.0649 |
| Block Group 1, Census Tract 3 | 0.25 | 66.80 | 29.3831 |
| Block Group 2, Census Tract 3 | 1.05 | 59.70 | 18.1818 |
| Block Group 1, Census Tract 13 | 1.61 | 59.00 | 15.4221 |
| Block Group 2, Census Tract 13 | 1.98 | 68.50 | 34.9026 |
| Block Group 2, Census Tract 1.01 | 0.00 | 53.80 | 31.1688 |
| Block Group 1, Census Tract 4.01 | 3.56 | 55.10 | 67.2078 |
| Block Group 2, Census Tract 4.01 | 4.34 | 67.70 | 46.1039 |
| Block Group 1, Census Tract 4.03 | 8.01 | 55.10 | 46.4286 |
| Block Group 2, Census Tract 7.02 | 4.60 | 59.00 | 64.2857 |
| Block Group 1, Census Tract 1.01 | 2.30 | 65.60 | 21.9156 |
| Block Group 1, Census Tract 9801 | 0.02 | 68.60 | 22.2403 |
| Block Group 3, Census Tract 1.01 | 0.59 | 65.60 | 32.4675 |
| Block Group 4, Census Tract 2.02 | 1.96 | 70.40 | 19.4805 |
| Block Group 2, Census Tract 2.02 | 7.07 | 54.20 | 41.0714 |
| Block Group 2, Census Tract 4.03 | 2.54 | 55.10 | 31.4935 |
| Block Group 3, Census Tract 3 | 0.29 | 54.00 | 36.039 |
| Block Group 2, Census Tract 5.02 | 27.60 | 72.50 | 60.7143 |
| Block Group 3, Census Tract 4.03 | 33.67 | 69.90 | 34.7402 |
| Block Group 1, Census Tract 4.02 | 0.45 | 60.80 | 28.5714 |
| Block Group 4, Census Tract 4.03 | 29.70 | 64.70 | 45.2922 |
| Block Group 4, Census Tract 5.01 | 80.20 | 54.50 | 79.0584 |
| Block Group 1, Census Tract 5.01 | 100.00 | 53.40 | 87.6623 |
| Block Group 1, Census Tract 7.02 | 0.00 | 53.80 | 48.7013 |
| Block Group 4, Census Tract 6 | 62.85 | 43.60 | 67.3701 |
| Block Group 6, Census Tract 6 | 41.83 | 43.60 | 87.8247 |
| Block Group 1, Census Tract 14.02 | 0.28 | 73.00 | 28.2467 |
| Block Group 2, Census Tract 14.02 | 6.12 | 42.20 | 44.8052 |
| Block Group 4, Census Tract 10.02 | 50.83 | 62.00 | 57.4675 |
| Block Group 1, Census Tract 10.01 | 67.88 | 52.80 | 68.5065 |
| Block Group 5, Census Tract 6 | 81.88 | 22.90 | 84.9026 |
| Block Group 1, Census Tract 11.02 | 28.69 | 34.00 | 40.5844 |
| Block Group 4, Census Tract 3 | 6.30 | 53.80 | 66.0714 |
| Block Group 3, Census Tract 12.01 | 3.99 | 56.70 | 36.039 |
| Block Group 1, Census Tract 12.02 | 3.75 | 55.80 | 36.2013 |
| Block Group 1, Census Tract 11.01 | 52.19 | 46.40 | 61.039 |
| Block Group 3, Census Tract 11.02 | 6.43 | 74.00 | 40.7467 |
| Block Group 3, Census Tract 14.02 | 54.86 | 73.00 | 47.4026 |
| Block Group 3, Census Tract 14.01 | 11.95 | 56.00 | 42.3701 |
| Block Group 2, Census Tract 14.01 | 22.21 | 54.50 | 55.1948 |
| Block Group 1, Census Tract 14.01 | 0.04 | 56.00 | 41.7208 |
| Block Group 3, Census Tract 2.02 | 4.80 | 68.70 | 40.0974 |
| Block Group 1, Census Tract 5.02 | 12.32 | 70.20 | 60.2273 |
| Block Group 2, Census Tract 12.02 | 22.46 | 60.10 | 40.7467 |
| Block Group 3, Census Tract 11.02 | 65.49 | 54.70 | 59.5779 |
| Block Group 3, Census Tract 7.02 | 0.00 | 53.80 | 78.4091 |
| Block Group 2, Census Tract 4.02 | 0.94 | 78.00 | 55.0325 |
| Block Group 1, Census Tract 12.01 | 28.58 | 57.20 | 37.8247 |
| Block Group 2, Census Tract 2.01 | 5.16 | 65.10 | 34.0909 |
| Block Group 2, Census Tract 10.01 | 46.95 | 41.60 | 72.2403 |
| Block Group 1, Census Tract 15 | 0.02 | 57.20 | 18.6688 |
| Block Group 2, Census Tract 15 | 10.52 | 57.20 | 36.039 |
| Block Group 1, Census Tract 2.01 | 4.05 | 55.80 | 35.0649 |
| Block Group 2, Census Tract 1.02 | 0.89 | 57.30 | 19.4805 |
| Block Group 1, Census Tract 1.02 | 0.00 | 53.80 | 36.2013 |
| Block Group 1, Census Tract 7.01 | 27.80 | 66.40 | 37.987 |
| Block Group 2, Census Tract 7.01 | 57.70 | 39.00 | 58.4416 |
| Block Group 3, Census Tract 10.02 | 40.22 | 57.50 | 78.2468 |
| Block Group 2, Census Tract 11.01 | 23.65 | 48.70 | 33.6039 |
| Block Group 3, Census Tract 13 | 2.63 | 23.70 | 23.2143 |

Appendix F. Proposed Park Proximity and Park Quality among all the Block Groups in Cache County, Utah

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **GEOdisplaylabel** | **Proximity** | **Facility** | **Amenity** | **Aesthetic** | **M&C** | **Incivility** | **Overall** |
| Block Group 2, Census Tract 11.02 | 21.8 | 46.5 | 57.1 | 57.7 | 55.6 | 56.8 | 54.8 |
| Block Group 2, Census Tract 12.01 | 9.8 | 55.6 | 50 | 66.7 | 70 | 71.4 | 62.7 |
| Block Group 3, Census Tract 5.01 | 17.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 2, Census Tract 5.01 | 44 | 43.8 | 55 | 58 | 55 | 56.7 | 53.8 |
| Block Group 3, Census Tract 6 | 48.6 | 11.1 | 18.2 | 22.2 | 20 | 43 | 22.9 |
| Block Group 2, Census Tract 6 | 44 | 33.3 | 36.4 | 55.6 | 50 | 43 | 43.6 |
| Block Group 1, Census Tract 6 | 33 | 43.8 | 55 | 58 | 55 | 56.7 | 53.8 |
| Block Group 4, Census Tract 8 | 44 | 52.6 | 65.1 | 62 | 58 | 50.9 | 59.5 |
| Block Group 3, Census Tract 7.01 | 16 | 43.9 | 55.5 | 59.2 | 54.7 | 57.6 | 54.3 |
| Block Group 3, Census Tract 8 | 20 | 50.6 | 66.1 | 70 | 56.7 | 56.9 | 49.5 |
| Block Group 2, Census Tract 8 | 74.4 | 65.9 | 66.8 | 55.3 | 59 | 42.7 | 58.2 |
| Block Group 1, Census Tract 8 | 41.5 | 67 | 68 | 56 | 60 | 43 | 59 |
| Block Group 3, Census Tract 9 | 44.7 | 58.6 | 70.1 | 73 | 63.7 | 56.9 | 64.5 |
| Block Group 1, Census Tract 9 | 20.3 | 33.3 | 55 | 22 | 80 | 71 | 52 |
| Block Group 2, Census Tract 9 | 14.8 | 72.3 | 73 | 80 | 67 | 51 | 69.5 |
| Block Group 2, Census Tract 10.02 | 44.3 | 11.1 | 36.4 | 22.2 | 30 | 28.6 | 25.7 |
| Block Group 1, Census Tract 10.02 | 8.7 | 33.3 | 56 | 56 | 70 | 71.4 | 57.3 |
| Block Group 1, Census Tract 2.02 | 44 | 61.1 | 72.7 | 66.7 | 40 | 42.9 | 56.7 |
| Block Group 1, Census Tract 3 | 0.3 | 72.2 | 81.8 | 55.6 | 60 | 64.3 | 66.8 |
| Block Group 2, Census Tract 3 | 0.3 | 55.6 | 59.1 | 66.7 | 60 | 57.1 | 59.7 |
| Block Group 1, Census Tract 13 | 0.6 | 53.1 | 55.8 | 71.3 | 57.1 | 58 | 59 |
| Block Group 2, Census Tract 13 | 1.2 | 55.6 | 75 | 80 | 64 | 67.9 | 68.5 |
| Block Group 2, Census Tract 1.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 1, Census Tract 4.01 | 33 | 43.8 | 55 | 58 | 55 | 56.7 | 53.8 |
| Block Group 2, Census Tract 4.01 | 3.5 | 66.7 | 68.2 | 66.7 | 80 | 57.1 | 67.7 |
| Block Group 1, Census Tract 4.03 | 22 | 43.8 | 55 | 58 | 55 | 56.7 | 53.8 |
| Block Group 2, Census Tract 7.02 | 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 1, Census Tract 1.01 | 0.7 | 55.6 | 77.3 | 77.8 | 60 | 57.1 | 65.6 |
| Block Group 1, Census Tract 9801 | 0.1 | 55.6 | 77.3 | 88.9 | 50 | 71.4 | 68.6 |
| Block Group 3, Census Tract 1.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 4, Census Tract 2.02 | 0.5 | 61.1 | 63.6 | 88.9 | 60 | 78.6 | 70.4 |
| Block Group 2, Census Tract 2.02 | 1.65 | 27.8 | 31.8 | 55.6 | 70 | 85.7 | 54.2 |
| Block Group 2, Census Tract 4.03 | 0.8 | 38.9 | 68.2 | 55.6 | 70 | 42.9 | 55.1 |
| Block Group 3, Census Tract 3 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 2, Census Tract 5.02 | 12.7 | 52 | 65 | 77.8 | 70 | 80 | 72.5 |
| Block Group 3, Census Tract 4.03 | 12.7 | 73.1 | 68.2 | 68.6 | 68.3 | 71.4 | 69.9 |
| Block Group 1, Census Tract 4.02 | 1 | 44.4 | 63.6 | 88.9 | 50 | 57.1 | 60.8 |
| Block Group 4, Census Tract 4.03 | 9.2 | 50 | 72.7 | 66.7 | 70 | 64.3 | 64.7 |
| Block Group 4, Census Tract 5.01 | 22.1 | 50 | 50 | 55.6 | 60 | 57.1 | 54.5 |
| Block Group 1, Census Tract 5.01 | 47 | 61 | 77 | 55.6 | 30 | 43 | 53.4 |
| Block Group 1, Census Tract 7.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 4, Census Tract 6 | 26.3 | 33.3 | 36.4 | 55.6 | 50 | 43 | 43.6 |
| Block Group 6, Census Tract 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 1, Census Tract 14.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 2, Census Tract 14.02 | 1.4 | 42.9 | 43.9 | 33.3 | 42 | 42.9 | 42.2 |
| Block Group 4, Census Tract 10.02 | 13 | 50 | 36.4 | 77.8 | 60 | 85.7 | 62 |
| Block Group 1, Census Tract 10.01 | 55.7 | 42.8 | 54.7 | 54.4 | 63 | 48.5 | 52.8 |
| Block Group 5, Census Tract 6 | 21.4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 1, Census Tract 11.02 | 24.2 | 33 | 32 | 22 | 40 | 43 | 34 |
| Block Group 4, Census Tract 3 | 3.3 | 34.2 | 46.6 | 43.2 | 40 | 40 | 41 |
| Block Group 3, Census Tract 12.01 | 33.4 | 47.5 | 57.5 | 63.2 | 58 | 57 | 56.7 |
| Block Group 1, Census Tract 12.02 | 1.8 | 45 | 57.6 | 62 | 56 | 58.3 | 55.8 |
| Block Group 1, Census Tract 11.01 | 22.1 | 39 | 48.3 | 56.8 | 52 | 36 | 46.4 |
| Block Group 3, Census Tract 11.02 | 3.8 | 50 | 86 | 67 | 80 | 86 | 74 |
| Block Group 3, Census Tract 14.02 | 15.7 | 72.2 | 63.6 | 77.8 | 80 | 71.4 | 73 |
| Block Group 3, Census Tract 14.01 | 4.3 | 38.9 | 68.2 | 55.6 | 60 | 57.1 | 56 |
| Block Group 2, Census Tract 14.01 | 4.6 | 44.4 | 41 | 55.6 | 60 | 71.4 | 54.5 |
| Block Group 1, Census Tract 14.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 3, Census Tract 2.02 | 1.2 | 57.8 | 61 | 86.7 | 59 | 79.2 | 68.7 |
| Block Group 1, Census Tract 5.02 | 33 | 51 | 63 | 74.8 | 68 | 76 | 70.2 |
| Block Group 2, Census Tract 12.02 | 14.4 | 49.5 | 60.2 | 63.8 | 65 | 62.8 | 60.1 |
| Block Group 3, Census Tract 11.02 | 35.2 | 48.9 | 70.1 | 48.9 | 60 | 55.7 | 54.7 |
| Block Group 3, Census Tract 7.02 | 44 | 43.8 | 55 | 58 | 55 | 56.7 | 53.8 |
| Block Group 2, Census Tract 4.02 | 33 | 43.8 | 55 | 58 | 55 | 56.7 | 53.8 |
| Block Group 1, Census Tract 12.01 | 13.7 | 37.7 | 61.8 | 57.8 | 66 | 62.8 | 57.2 |
| Block Group 2, Census Tract 2.01 | 3 | 52.8 | 73.2 | 65.6 | 68 | 65.8 | 65.1 |
| Block Group 2, Census Tract 10.01 | 25.1 | 27.8 | 36.4 | 22.2 | 50 | 71.4 | 41.6 |
| Block Group 1, Census Tract 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 2, Census Tract 15 | 3.8 | 45.6 | 49.1 | 71.1 | 58 | 57.1 | 57.2 |
| Block Group 1, Census Tract 2.01 | 1.7 | 58.3 | 68.6 | 65.6 | 41 | 45.7 | 55.8 |
| Block Group 2, Census Tract 1.02 | 0.2 | 50 | 63.6 | 55.6 | 60 | 57.1 | 57.3 |
| Block Group 1, Census Tract 1.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Block Group 1, Census Tract 7.01 | 17.3 | 50 | 70 | 71.3 | 72 | 68.7 | 66.4 |
| Block Group 2, Census Tract 7.01 | 10.7 | 50 | 32 | 22 | 50 | 43 | 39 |
| Block Group 3, Census Tract 10.02 | 32.6 | 47.8 | 56.3 | 69 | 52 | 62.8 | 57.5 |
| Block Group 2, Census Tract 11.01 | 8.9 | 44.4 | 45.5 | 66.7 | 30 | 57.1 | 48.7 |
| Block Group 3, Census Tract 13 | 0.7 | 11.1 | 36.4 | 22.2 | 20 | 28.6 | 23.7 |
| Proximity: Proposed park proximity | | | | | | | |
| Facility: Proposed park facility | | | | | | | |
| Amenity: Proposed park amenity | | | | | | | |
| Aesthetic: Proposed park aesthetic feature | | | | | | | |
| M&C: Proposed park maintenance and cleanliness feature | | | | | | | |
| Incivility: Proposed park incivility feature | | | | | | | |
| Overall: Proposed park overall quality | | | | | | | |

Appendix G. Individual Park Quality of all the Parks in Cache County, Utah

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NAME** | **CITY** | **ACRES** | **Facility** | **Amenity** | **Aesthetic Feature** | **Cleanliness**  **&maintenance** | **Incivilities** | **Overall** |
| Lundstrom Park | Logan | 19.24 | 56 | 82 | 67 | 100 | 86 | 78 |
| Ray Hugie Park | Cache County | 11.11 | 38.9 | 36.3 | 22.2 | 20 | 29 | 29.3 |
| Adams Park | Logan | 4.21 | 67 | 68 | 56 | 60 | 43 | 59 |
| River Hollow Park | Logan | 3.64 | 61.1 | 50 | 88.8 | 50 | 57 | 61.4 |
| Jens Johansen Park | Logan | 2.04 | 33.3 | 55 | 22 | 80 | 71 | 52 |
| West Willow Park | Logan | 7.75 | 50 | 50 | 77.8 | 60 | 71.4 | 61.8 |
| Dahle Park | Logan | 4.27 | 44.4 | 45.5 | 66.7 | 60 | 57 | 54.7 |
| Rendezvous Park | Logan | 8.76 | 50 | 54.5 | 77.8 | 40 | 57 | 55.9 |
| Logan Meadows Park | Logan | 2.58 | 27.8 | 36.4 | 22.2 | 50 | 71.4 | 41.6 |
| 1700 S Park | Logan | 2.13 | 27.8 | 68.2 | 55.6 | 60 | 85.7 | 59.5 |
| Willow Park | Logan | 6.78 | 44.4 | 59 | 55.6 | 70 | 71.4 | 60 |
| Garff Wayside Gardens | Logan | 2.86 | 33.3 | 56 | 56 | 70 | 71.4 | 57.3 |
| Pioneer Park | Logan | 2.96 | 28 | 50 | 44.4 | 40 | 43 | 41 |
| Bridgerland Park | Logan | 7.08 | 61 | 77 | 55.6 | 30 | 43 | 53.4 |
| Jones Park | Logan | 1.07 | 50 | 50 | 55.6 | 60 | 57.1 | 54.5 |
| Mt. Logan Park | Logan | 21.97 | 50 | 86 | 67 | 80 | 86 | 74 |
| Brookside Park | Logan | 0.04 | 11.1 | 18.2 | 22.2 | 10 | 28.6 | 18 |
| Willow Park Sports Complex | Logan | 17.88 | 33.3 | 54.5 | 33.3 | 60 | 28.6 | 41.9 |
| Hillcrest Park | Logan | 1.41 | 50 | 32 | 22 | 50 | 43 | 39 |
| Kilowatt Park | Logan | 0.96 | 11.1 | 36.4 | 22.2 | 30 | 28.6 | 25.7 |
| Majestic Mountain Meadows | Logan | 1.19 | 55.6 | 54.5 | 77.8 | 70 | 71.4 | 65.9 |
| Canal Corner | Logan | 0.21 | 11.1 | 18.2 | 22.2 | 20 | 43 | 22.9 |
| Morningside Park | Logan | 0.94 | 33.3 | 36.4 | 55.6 | 50 | 43 | 43.6 |
| Fairview Park | Logan | 3.34 | 61.1 | 72.7 | 77.8 | 80 | 71.4 | 72.6 |
| 10th West Park | Logan | 30.20 | 27.8 | 41 | 33.3 | 30 | 28.6 | 32.1 |
| Canyon Entrance Park | Cache County | 3.27 | 44.4 | 63.6 | 77.8 | 50 | 71.4 | 61.4 |
| Eliason Park | Logan | 0.34 | 50 | 36.4 | 77.8 | 60 | 85.7 | 62 |
| 6th South Park | Logan | 19.22 | 43.8 | 55 | 58 | 55 | 56.7 | 54 |
| Northwest Park Phase 2 | Logan | 13.61 | 61.1 | 56.4 | 77.8 | 70 | 85.7 | 76.2 |
| Northwest Park | Logan | 9.51 | 38.9 | 77.3 | 77.8 | 70 | 71.4 | 67 |
| Merlin Olsen Central Park | Logan | 8.48 | 78 | 82 | 89 | 70 | 57 | 75.2 |
| Soccer Park Complex | Logan | 22.93 | 55.6 | 81.8 | 55.6 | 60 | 50 | 60.6 |
| Southwest Gateway Park | Logan | 8.26 | 22.2 | 36.4 | 22.2 | 60 | 28.6 | 33.9 |
| Horseshoe Park | Logan | 4.62 | 38.9 | 50 | 66.7 | 50 | 42.9 | 49.7 |
| Quail West Park | Logan | 0.53 | 33 | 32 | 22 | 40 | 43 | 34 |
| Zollinger Park | Providence | 10.66 | 55.6 | 72.7 | 55.6 | 60 | 50 | 58.8 |
| Central Park | Smithfield | 4.98 | 61.1 | 72.7 | 66.7 | 40 | 42.9 | 56.7 |
| Forrester Acres/ Richard Hansen Baseball Field | Smithfield | 25.98 | 61.1 | 72.7 | 66.7 | 80 | 78.6 | 71.8 |
| Richmond | Richmond | 6.34 | 55.6 | 77.3 | 77.8 | 60 | 57.1 | 65.6 |
| Amalga | Amalga | 5.55 | 72.2 | 81.8 | 55.6 | 60 | 64.3 | 66.8 |
| Newton | Newton | 3.00 | 55.6 | 59.1 | 66.7 | 60 | 57.1 | 59.7 |
| Clarkston | Clarkston | 1.51 | 50 | 63.6 | 55.6 | 60 | 57.1 | 57.3 |
| Alma Leonhardt Park | Providence | 2.17 | 50 | 59.1 | 66.7 | 60 | 40.6 | 55.3 |
| Braegger Park | Providence | 2.91 | 55.6 | 50 | 66.7 | 70 | 71.4 | 62.7 |
| Brookside Park | Providence | 0.95 | 27.8 | 41 | 55.6 | 40 | 14.3 | 35.7 |
| Cattle Corral Park | Providence | 0.71 | 27.8 | 22.7 | 22.2 | 40 | 28.6 | 28.3 |
| Meadowridge Park | Providence | 0.79 | 38.9 | 59.1 | 55.6 | 40 | 57.1 | 50.1 |
| Von's Park | Providence | 0.58 | 44.4 | 45.5 | 66.7 | 30 | 57.1 | 48.7 |
| Elk Ridge Park | North Logan | 23.40 | 66.7 | 68.2 | 66.7 | 80 | 57.1 | 67.7 |
| Meadow View Park | North Logan | 16.29 | 38.9 | 68.2 | 55.6 | 70 | 42.9 | 55.1 |
| King Park | North Logan | 33.04 | 44.4 | 63.6 | 88.9 | 50 | 57.1 | 60.8 |
| City Office Park | Hyde Park | 2.45 | 50 | 68.2 | 77.8 | 60 | 71.4 | 65.4 |
| Lee Park and Pavilion | Hyde Park | 11.70 | 77.8 | 68.2 | 66.7 | 70 | 71.4 | 70.8 |
| Lion's Park | Hyde Park | 3.87 | 50 | 72.7 | 66.7 | 70 | 64.3 | 64.7 |
| Forrester Acres/ Equestrian Track & Arena | Smithfield | 15.40 | 38.9 | 77.3 | 55.6 | 50 | 42.9 | 52.9 |
| Park | Millville | 12.55 | 50 | 59.1 | 66.7 | 60 | 57.1 | 58.6 |
| Park | Paradise | 5.01 | 50 | 50 | 77.8 | 60 | 57.1 | 59 |
| Park | Nibley | 2.01 | 27.8 | 45.5 | 55.6 | 40 | 28.6 | 39.5 |
| Park | Nibley | 4.94 | 43.8 | 55 | 58 | 55 | 56.7 | 53 |
| Park | Nibley | 2.77 | 44.4 | 45.5 | 66.7 | 60 | 57.1 | 54.7 |
| Park | Nibley | 3.23 | 27.8 | 45.5 | 33.3 | 60 | 42.9 | 41.9 |
| Park | Nibley | 1.12 | 11.1 | 41.1 | 33.3 | 60 | 71.4 | 43.3 |
| Park | Nibley | 5.79 | 50 | 68.2 | 77.8 | 60 | 64.3 | 64.1 |
| Park | Nibley | 1.64 | 38.9 | 36.4 | 22.2 | 20 | 42.9 | 32.1 |
| Park | Nibley | 19.99 | 43.8 | 55 | 58 | 55 | 56.7 | 53.8 |
| Park | Millville | 0.46 | 11.1 | 18.2 | 22.2 | 50 | 28.6 | 26 |
| Park | Nibley | 9.93 | 43.8 | 55 | 58 | 55 | 56.7 | 53.8 |
| Park | Millville | 2.57 | 44.4 | 72.7 | 66.7 | 70 | 71.4 | 65 |
| City Nature Park | Providence | 0.77 | 27.8 | 31.8 | 33.3 | 50 | 57.1 | 40 |
| Kid's Corner | Smithfield | 0.38 | 33.3 | 31.8 | 55.6 | 50 | 71.4 | 48.4 |
| Gutke Park | Smithfield | 2.38 | 27.8 | 36.4 | 66.7 | 50 | 85.7 | 53.3 |
| Heritage Park | Smithfield | 2.77 | 44.4 | 63.6 | 88.9 | 50 | 57.1 | 60.8 |
| Mack Park | Smithfield | 14.24 | 61.1 | 63.6 | 88.9 | 60 | 78.6 | 70.4 |
| 420 South Park | Smithfield | 0.50 | 27.8 | 31.8 | 55.6 | 70 | 85.7 | 54.2 |
| Park | Nibley | 12.97 | 61.1 | 72.7 | 77.8 | 80 | 78.6 | 74 |
| Park | Mendon | 2.76 | 33.3 | 36.4 | 55.6 | 50 | 42.9 | 43.6 |
| Park | Mendon | 6.66 | 61.1 | 63.6 | 77.8 | 60 | 64.3 | 65.4 |
| Black Willow Park | Wellsville | 0.58 | 27.8 | 31.8 | 77.8 | 50 | 57.1 | 48.9 |
| School Park | Wellsville | 2.46 | 50 | 41 | 66.7 | 60 | 42.9 | 52.1 |
| Darley Park | Wellsville | 3.53 | 33.3 | 68 | 55 | 40 | 42.9 | 48 |
| City Square Park | Wellsville | 5.11 | 55.6 | 77.3 | 77.8 | 80 | 78.6 | 73.9 |
| Equestrian Park | Wellsville | 4.15 | 11.1 | 36.4 | 22.2 | 20 | 28.6 | 23.7 |
| Wellsville Park | Wellsville | 11.64 | 61.1 | 81.8 | 88.9 | 60 | 71.4 | 72.6 |
| City Square | Hyrum | 4.88 | 72.2 | 63.6 | 77.8 | 80 | 71.4 | 73 |
| East Park | Hyrum | 21.84 | 38.9 | 68.2 | 55.6 | 60 | 57.1 | 56 |
| Pride Park | Hyrum | 0.47 | 44.4 | 41 | 55.6 | 60 | 71.4 | 54.5 |
| A.J. Park/ Campground | Hyrum | 30.46 | 55.6 | 77.3 | 88.9 | 50 | 71.4 | 68.6 |
| Park | Paradise | 1.63 | 27.8 | 45.5 | 44.4 | 50 | 57.1 | 44.9 |
| Park | River Heights | 4.53 | 43.8 | 55 | 58 | 55 | 56.7 | 53.8 |
| Ryan's Place | River Heights | 0.64 | 66.7 | 72.7 | 55.6 | 60 | 57.1 | 62.4 |
| Park | Logan | 52.49 | 43.8 | 55 | 58 | 55 | 56.7 | 53.8 |
| clear creek park | Nibley | 14.30 | 38.9 | 40.9 | 33.3 | 30 | 42.9 | 37.2 |
| Hyrum City Soccer Fields | Hyrum | 4.82 | 27.8 | 50 | 55.6 | 50 | 42.9 | 45.3 |
| Hyrum state park | Hyrum | 13.20 | 44.4 | 54.5 | 55.6 | 50 | 50 | 50.9 |

Appendix H. Parks, Activity, and Recreation among Kids Tool

(PARK Tool)

|  |  |
| --- | --- |
| **The Parks, Activity and Recreation among Kids (PARK) Tool** | |
| **Family PIN** |  |
|
| Observer ID. |  |
| ID of co-observer |  |
| Observer code. (A or B) |  |
| Date |  |
| Park ID |  |
| Park address |  |
| Start time |  |
| **1. Type of Usage** |  |
| Physical activity structured | 1 |
| PA non-structured | 2 |
| PA structured. and non-structured | 3 |
| Passive activities – gardens | 4 |
| Passive only | 5 (skip to Q11) |
| **2A1. Tennis:** |  |
| Check if present |
| **2A2.** Check if accessible |  |
| **2A3.** Check if in good condition |  |
| **2A4.** Check if restricted |  |
| **2B1. Basketball:** |  |
| Check if present |
| **2B2.** Check if accessible |  |
| **2B3.** Check if in good condition |  |
| **2B4.** Check if restricted |  |
| **2C1. Badminton/Volleyball:** |  |
| Check if present |
| **2C2.** Check if accessible |  |
| **2C3.** Check if in good condition |  |
| **2C4**. Check if restricted |  |
| **2D1. Soccer/Football/Rugby:** |  |
| Check if present |
| **2D2.** Check if accessible |  |
| **2D3.** Check if in good condition |  |
| **2D4.** Check if restricted |  |
| **2E1. Baseball/Softball:** |  |
| Check if present |
| **2E2.** Check if accessible |  |
| **2E3.** Check if in good condition |  |
| **2E4.** Check if restricted |  |
| **2F1. Hockey/Cosom/Ringette:** |  |
| Check if present |
| **2K2.** Check if accessible |  |
| **2F3.** Check if in good condition |  |
| **2F4.** Check if restricted |  |
| **2G1. Race Track:** |  |
| Check if present |
| **2G2.** Check if accessible |  |
| **2G3.** Check if in good condition |  |
| **2H1. Foot Path:** |  |
| Check if present |
| **2H2.** Check if accessible |  |
| **2H3.** Check if in good condition |  |
| **2I1. Bicycle/Rollerblade Path:** |  |
| Check if present |
| **2I2.** Check if accessible |  |
| **2I3.** Check if in good condition |  |
| **2J1. Skate Park:** |  |
| Check if present |
| **2J2.** Check if accessible |  |
| **2J3.** Check if in good condition |  |
| **2J4.** Check if restricted |  |
| **2K1. 6+ Play Area:** |  |
| Check if present |
| **2K2.** Check if accessible |  |
| **2K3.** Check if in good condition |  |
| **2L1. Multi-Use Space:** |  |
| Check if present |
| **2L2.** Check if accessible |  |
| **2L3.** Check if in good condition |  |
| **2M1. School Yard:** |  |
| Check if present |
| **2M2.** Check if accessible |  |
| **2M3.** Check if in good condition |  |
| **3.a) Equipment Rental:** |  |
| Check if present |
| b) Specify: | **TEXT** |
|
| **4. Pool** |  |
| Check if present |
| **5. Pool Length:** |  |
| Under 25m | 1 |
| Longer or equal to 25m | 2 |
| Impossible to evaluate | 3 |
| **6. Condition Around the Pool:** |  |
| No deterioration | 1 |
| Presence of deterioration without need for repairs | 2 |
| Significant deterioration requiring repairs | 3 |
| Under construction | 4 |
| Impossible to evaluate | 5 |
| **7. Cleanliness of Pool:** |  |
| Very clean | 1 |
| Clean enough | 2 |
| Not at all clean | 3 |
| Impossible to evaluate | 4 |
| **8. Water Sprinklers:** |  |
| Check if present |
| Water sprinklers under construction | 3 |
| **9. Water Sprinklers Condition:** |  |
| No deterioration | 1 |
| Presence of deterioration without need for repairs | 2 |
| Significant deterioration requiring repairs | 3 |
| Under construction | 4 |
| Impossible to evaluate | 5 |
| **10. Cleanliness of Water Sprinklers:** |  |
| Very clean | 1 |
| Clean enough | 2 |
| Not at all clean | 3 |
| Impossible to evaluate | 4 |
| **11A. Important Body of Water:** (if no skip to Q12) |  |
| Check if present |
| **11B. Sportive Aquatic Activities:** |  |
| Check if present |
| **12A. Pond or Fountain:** (if no skip to Q13) |  |
| Check if present |
| **12B Sportive Aquatic Activities:** |  |
| Check if present |
| **13A. Decorative or Cultural Physical Elements:** |  |
| Check if present (if no skip to Q14) |
| **13B. If present, specify:** | **TEXT** |
| **14. Gardens:** |  |
| Check if present |
| **15. Shade:** |  |
| Many places | 1 |
| Some places | 2 |
| None | 3 |
| **16.** **No Dogs Allowed Sign:** |  |
| Check if present |
| **17. Graffiti:** |  |
| None | 1 |
| Some | 2 |
| A lot | 3 |
| **18. Broken Items/ Vandalism:** |  |
| None | 1 |
| Possibly | 2 |
| Definitely | 3 |
| **19. Litter/Garbage:** |  |
| None | 1 |
| Some | 2 |
| A lot | 3 |
| **20. Garbage Bins:** |  |
| Yes, in usable condition | 1 |
| Yes, but unusable | 2 |
| No | 3 |
| **21. Drinking Fountains:** |  |
| Yes, in usable condition | 1 |
| Yes, but unusable | 2 |
| No | 3 |
| **22. Picnic Tables:** |  |
| Yes, in usable condition | 1 |
| Yes, but unusable | 2 |
| No | 3 |
| **23. Sitting Benches:** |  |
| Yes, in usable condition | 1 |
| Yes, but unusable | 2 |
| No | 3 |
| **24. Bleachers:** |  |
| Yes, in usable condition | 1 |
| Yes, but unusable | 2 |
| No | 3 |
| **25A. Public Toilets:** |  |
| Yes | 1 |
| No | 2 (Skip to Q26) |
| Impossible to determine | 3 (Skip to Q26) |
| **25B. Condition of Toilets:** |  |
| Good | 1 |
| Bad | 2 |
| Impossible to determine | 3 |
| **26A. Chalet/Change rooms:** |  |
| Yes | 1 |
| No | 2 (Skip to Q27) |
| **26B. Condition of Chalet/Change rooms:** |  |
| Good | 1 |
| Bad | 2 |
| Impossible to determine | 3 |
| **27. Parking:** |  |
| Yes, reserved for the park | 1 |
| Yes, on the street only | 2 |
| No | 3 |
| **28. Bicycle Locks:** |  |
| Check if present |
| **29. Public Transportation:** |  |
| Check if present |
| **30. Sufficient Lighting to Light the Majority of the Park:** |  |
| Check if present |
| **31. At least 1 Street Visible from the Centre of the Park:** |  |
| Check if yes |
| **32. At least 1 House Visible from the Centre of the Park:** |  |
| Check if yes |
| **33. Adjacent Streets are Local:** |  |
| All | 1 |
| Some | 2 |
| None | 3 |
| **34. Adjacent Streets have Traffic Calming Measures:** |  |
| All | 1 |
| Some | 2 |
| None | 3 |
| **35. Adjacent Streets have Pedestrian Facilitation Measures:** |  |
| All | 1 |
| Some | 2 |
| None | 3 |
| **36. Is the Park Attractive for Youth?** |  |
| Very attractive | 1 |
| Attractive enough | 2 |
| Not attractive | 3 |
| **37. Is the Park Safe?** |  |
| Very safe | 1 |
| Safe enough | 2 |
| Not safe | 3 |
| **38. Is the Park Pretty/ Attractive?** |  |
| Very pretty/ attractive | 1 |
| Pretty/ attractive enough | 2 |
| Not pretty/ attractive | 3 |
| **39. Is the Park Appealing for Walking?** |  |
| Very appealing | 1 |
| Appealing enough | 2 |
| Not appealing | 3 |
| **40. Is the Park Appealing for Cycling?** |  |
| Very appealing | 1 |
| Appealing enough | 2 |
| Not appealing | 3 |
| **41. Is the Park Appealing for Active Play?** |  |
| Very appealing | 1 |
| Appealing enough | 2 |
| Not appealing | 3 |
| **42. Time of Completion:** | |
|

Appendix I. Simplified PARK Tool,

|  |  |  |
| --- | --- | --- |
|  | **Park Name:** |  |
|  | City: |  |
|  | Address: |  |
|  | Acreage: Date: |  |
|  | **Facility: （18）** |  |
| 1 | Tennis Court |  |
| 2 | Basketball Court |  |
| 3 | Badminton / Volleyball court |  |
| 4 | Soccer / Football / Rugby field |  |
| 5 | Baseball / Softball field |  |
| 6 | Playground / Play Area |  |
| 7 | Skate Park |  |
| 8 | Pool / Important body of water |  |
| 9 | Pond / Fountain |  |
| 10 | Garden |  |
| 11 | Multi-use Space |  |
| 12 | School Yard |  |
|  | Is this park appealing for active play? |  |
|  | Is this park appealing for walking? |  |
|  |  |  |
|  | **Amenity （22）** |  |
| 1 | Race Track |  |
| 2 | Foot Path |  |
| 3 | Bicycle / Rollerblade Path |  |
| 4 | Equipment Rental |  |
| 5 | Shade |  |
| 6 | No Dog Sign |  |
| 7 | Drinking Fountain |  |
| 8 | Garbage Bin |  |
| 9 | Water Sprinkler |  |
| 10 | Picnic Table |  |
| 11 | Sitting Benches |  |
| 12 | Chalet / Change Room |  |
| 13 | Parking Area |  |
| 14 | Bicycle lockers |  |
| 15 | Public Transportation |  |
| 16 | Lighting |  |
| 17 | Adjacent Street |  |
| 18 | Public Toilet |  |
| 19 | Bleachers |  |
|  | Is this park appealing for cycling? |  |
|  |  |  |
|  | **Aesthetic Features** （9） |  |
| 1 | Sportive Aquatic Activities |  |
| 2 | Cultural Elements |  |
| 3 | At least one house visible from the center of the park? |  |
| 4 | At least one street visible from the center of the park? |  |
| 5 | Decorative Elements (Landscaping) |  |
| 6 | Water Features |  |
|  | Is this park attractive for youth? |  |
|  |  |  |
|  | **Cleanliness & Maintenance （10）** |  |
| 1 | Adjacent streets have traffic calming measures |  |
| 2 | Adjacent streets have pedestrian facilitation measures |  |
| 3 | Safe Measures |  |
| 4 | Pool condition |  |
| 5 | Toilet condition |  |
| 6 | Chalet condition |  |
| 7 | Water sprinkler condition |  |
|  | Is this park safe? |  |
|  |  |  |
|  | **Incivilities （7）** |  |
| 1 | Graffiti |  |
| 2 | Broken items |  |
| 3 | Litter / Garbage |  |
| 4 | Vandalism |  |
|  | Is this park pretty / attractive? |  |
|  |  |  |
|  | Total Score: |  |