5 Census Regressions: 2011 vs each decade, all and cities

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Contents

2011 ~ 1971 to 2001: all CoBs, all zones

Formula (d = 1971 to 2001): *xij2011 ~ xij-d + w-dq + migshareMinusOwn-d + ea-d + popPerAcre-d*

```
[1] "DECADE 2011 ~ 1971"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = sheet5)

Residuals:
    Min      1Q  Median      3Q     Max
-1.5595 -0.0613 -0.0274  0.0209  3.8353

Coefficients:
                       Estimate  Std. Error t value       Pr(>|t|)
(Intercept)          -0.58542802  0.01508671 -38.804        < 2e-16 ***
xij1971               0.21429929  0.00211572 101.289        < 2e-16 ***
w1971q                0.20338139  0.00305224  66.634        < 2e-16 ***
migshareMinusOwn1971  0.00174800  0.00026215   6.668 0.000000000026 ***
ea1971                0.00649231  0.00015878  40.888        < 2e-16 ***
popPerAcre1971        0.00496260  0.00004598 107.939        < 2e-16 ***
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Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.1831 on 180834 degrees of freedom
Multiple R-squared:  0.277, Adjusted R-squared:  0.2769
F-statistic: 1.385e+04 on 5 and 180834 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 1981"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = sheet5)

Residuals:
    Min      1Q  Median      3Q     Max
-1.5385 -0.0566 -0.0214  0.0186  3.7089

Coefficients:
                       Estimate  Std. Error t value Pr(>|t|)
(Intercept)          -0.15940207  0.00594855  -26.80   <2e-16 ***
xij1981               0.34282997  0.00211395  162.18   <2e-16 ***
w1981q                0.24516394  0.00303440   80.80   <2e-16 ***
migshareMinusOwn1981  0.00427035  0.00019055   22.41   <2e-16 ***
ea1981                0.00187891  0.00006657   28.22   <2e-16 ***
popPerAcre1981        0.00462737  0.00004938   93.72   <2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.1689 on 180834 degrees of freedom
Multiple R-squared:  0.3851,    Adjusted R-squared:  0.3851
F-statistic: 2.265e+04 on 5 and 180834 DF,  p-value: < 2.2e-16
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```
[1] "DECADE 2011 ~ 1991"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = sheet5)

Residuals:
    Min      1Q  Median      3Q     Max
-2.0703 -0.0528 -0.0154  0.0196  3.4725

Coefficients:
                      Estimate  Std. Error t value    Pr(>|t|)
(Intercept)           0.01718709  0.00491203   3.499    0.000467 ***
xij1991               0.44086791  0.00218333 201.925     < 2e-16 ***
w1991q                0.23883821  0.00307709  77.618     < 2e-16 ***
migshareMinusOwn1991  0.00644174  0.00017625  36.548     < 2e-16 ***
ea1991               -0.00028226  0.00005527  -5.107 0.000000328 ***
popPerAcre1991        0.00426192  0.00005124  83.175     < 2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.159 on 180834 degrees of freedom
Multiple R-squared:  0.4551,    Adjusted R-squared:  0.455
F-statistic: 3.02e+04 on 5 and 180834 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 2001"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = sheet5)

Residuals:
     Min       1Q   Median       3Q      Max
-1.23993 -0.03981 -0.00916  0.01908  2.51808

Coefficients:
                      Estimate  Std. Error t value Pr(>|t|)
(Intercept)           0.25578363  0.00883875   28.94   <2e-16 ***
xij2001               0.67275437  0.00210655  319.36   <2e-16 ***
w2001q                0.22793835  0.00294658   77.36   <2e-16 ***
migshareMinusOwn2001  0.00217652  0.00012777   17.04   <2e-16 ***
ea2001               -0.00282531  0.00009467  -29.84   <2e-16 ***
popPerAcre2001        0.00186608  0.00004370   42.71   <2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.1301 on 180834 degrees of freedom
Multiple R-squared:  0.635, Adjusted R-squared:  0.635
F-statistic: 6.291e+04 on 5 and 180834 DF,  p-value: < 2.2e-16
```

Four cities (urban zones): 2011 ~ the other four decades

```
[1] "Glasgow"
[1] "DECADE 2011 ~ 1971"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-3.0181 -0.4082 -0.1840  0.1842 17.6335

Coefficients:
                      Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.0428415  0.1446397   0.296    0.767
xij1971              0.1156286  0.0052690  21.945   <2e-16 ***
w1971q               0.2687198  0.0077412  34.713   <2e-16 ***
migshareMinusOwn1971 0.0356009  0.0023201  15.345   <2e-16 ***
ea1971               0.0022343  0.0015172   1.473    0.141
popPerAcre1971       0.0048137  0.0004617  10.426   <2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.9637 on 27934 degrees of freedom
Multiple R-squared:  0.1733,    Adjusted R-squared:  0.1732
F-statistic:  1171 on 5 and 27934 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 1981"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-3.0829 -0.4096 -0.1700  0.1637 17.6931

Coefficients:
                      Estimate Std. Error t value      Pr(>|t|)
(Intercept)          0.9212436  0.0541934  16.999       < 2e-16 ***
xij1981              0.2527456  0.0056856  44.454       < 2e-16 ***
w1981q               0.2587457  0.0085155  30.385       < 2e-16 ***
migshareMinusOwn1981 0.0093847  0.0015826   5.930 0.00000000307 ***
ea1981              -0.0073392  0.0006248 -11.746       < 2e-16 ***
popPerAcre1981       0.0020066  0.0005789   3.466      0.000529 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.9331 on 27934 degrees of freedom
Multiple R-squared:  0.2249,    Adjusted R-squared:  0.2248
F-statistic:  1622 on 5 and 27934 DF,  p-value: < 2.2e-16
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[1] "DECADE 2011 ~ 1991"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-2.9326 -0.3718 -0.1190  0.1678 17.3912

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          1.0833646  0.0397006  27.288   <2e-16 ***
xij1991              0.4244031  0.0061485  69.025   <2e-16 ***
w1991q               0.2408373  0.0091822  26.229   <2e-16 ***
migshareMinusOwn1991 0.0201298  0.0016587  12.136   <2e-16 ***
ea1991              -0.0111011  0.0004707 -23.587   <2e-16 ***
popPerAcre1991      -0.0004906  0.0006238  -0.786    0.432
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.8684 on 27934 degrees of freedom
Multiple R-squared:  0.3287,    Adjusted R-squared:  0.3286
F-statistic:  2736 on 5 and 27934 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 2001"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-4.7654 -0.2955 -0.0865  0.1631 16.7938

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          1.8762243  0.0827882  22.663  < 2e-16 ***
xij2001              0.4985077  0.0049789 100.124  < 2e-16 ***
w2001q               0.2194093  0.0068547  32.009  < 2e-16 ***
migshareMinusOwn2001 0.0212093  0.0013130  16.153  < 2e-16 ***
ea2001              -0.0197356  0.0009110 -21.664  < 2e-16 ***
popPerAcre2001       0.0017312  0.0005586   3.099  0.00194 **
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.7775 on 27934 degrees of freedom
Multiple R-squared:  0.462, Adjusted R-squared:  0.4619
F-statistic:  4797 on 5 and 27934 DF,  p-value: < 2.2e-16

[1] "Edinburgh"
[1] "DECADE 2011 ~ 1971"

Call:
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lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-3.4655 -0.6323 -0.2525  0.4054  8.6214

Coefficients:
                      Estimate Std. Error t value     Pr(>|t|)
(Intercept)          -1.9357493  0.4200612  -4.608 0.0000040963 ***
xij1971               0.1537987  0.0092575  16.613      < 2e-16 ***
w1971q                0.1905084  0.0139557  13.651      < 2e-16 ***
migshareMinusOwn1971 -0.0702298  0.0052234 -13.445      < 2e-16 ***
ea1971                0.0240408  0.0043853   5.482 0.0000000428 ***
popPerAcre1971        0.0505270  0.0009216  54.827      < 2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 1.14 on 14074 degrees of freedom
Multiple R-squared:  0.2976,    Adjusted R-squared:  0.2974
F-statistic:  1193 on 5 and 14074 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 1981"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-2.5049 -0.6383 -0.1692  0.4223  8.5078

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          3.942760   0.207182   19.03   <2e-16 ***
xij1981              0.366598   0.010121   36.22   <2e-16 ***
w1981q               0.214906   0.013883   15.48   <2e-16 ***
migshareMinusOwn1981 -0.043471   0.004054  -10.72   <2e-16 ***
ea1981               -0.041432   0.002217  -18.69   <2e-16 ***
popPerAcre1981        0.040256   0.001027   39.22   <2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 1.111 on 14074 degrees of freedom
Multiple R-squared:  0.3325,    Adjusted R-squared:  0.3323
F-statistic:  1402 on 5 and 14074 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 1991"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
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    Min      1Q  Median      3Q     Max
-2.8120 -0.6061 -0.1347  0.4020  8.9346

Coefficients:
                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           4.335605   0.196801   22.03   <2e-16 ***
xij1991               0.414352   0.009677   42.82   <2e-16 ***
w1991q                0.202166   0.014426   14.01   <2e-16 ***
migshareMinusOwn1991 -0.050524   0.003744  -13.50   <2e-16 ***
ea1991               -0.045533   0.002139  -21.28   <2e-16 ***
popPerAcre1991        0.035306   0.001074   32.87   <2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 1.095 on 14074 degrees of freedom
Multiple R-squared:  0.3514,    Adjusted R-squared:  0.3512
F-statistic:  1525 on 5 and 14074 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 2001"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-2.9880 -0.5028 -0.0992  0.3844  6.2963

Coefficients:
                       Estimate Std. Error t value Pr(>|t|)
(Intercept)          12.7268738  0.3693054  34.462   <2e-16 ***
xij2001               0.7156745  0.0078282  91.423   <2e-16 ***
w2001q                0.1052094  0.0112921   9.317   <2e-16 ***
migshareMinusOwn2001 -0.0349056  0.0018110 -19.274   <2e-16 ***
ea2001               -0.1307586  0.0038622 -33.856   <2e-16 ***
popPerAcre2001        0.0158604  0.0007979  19.877   <2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.8784 on 14074 degrees of freedom
Multiple R-squared:  0.5829,    Adjusted R-squared:  0.5828
F-statistic:  3934 on 5 and 14074 DF,  p-value: < 2.2e-16

[1] "Aberdeen"
[1] "DECADE 2011 ~ 1971"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
   Min     1Q Median     3Q    Max
-8.204 -2.272 -0.458  1.976 20.975
```

```
Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          98.29246    4.94255  19.887  < 2e-16 ***
xij1971               0.34301    0.01621  21.157  < 2e-16 ***
w1971q                0.17306    0.02032   8.518  < 2e-16 ***
migshareMinusOwn1971  1.12345    0.11329   9.916  < 2e-16 ***
ea1971               -1.00836    0.05137 -19.629  < 2e-16 ***
popPerAcre1971       -0.03835    0.01088  -3.525  0.00043 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 3.794 on 3294 degrees of freedom
Multiple R-squared:  0.3585,    Adjusted R-squared:  0.3575
F-statistic: 368.2 on 5 and 3294 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 1981"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-9.6153 -2.3551 -0.4193  1.6837 19.7940

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          47.41904    2.68299  17.674  < 2e-16 ***
xij1981               0.38543    0.01709  22.554  < 2e-16 ***
w1981q                0.33312    0.01920  17.354  < 2e-16 ***
migshareMinusOwn1981  0.85374    0.05305  16.094  < 2e-16 ***
ea1981               -0.51351    0.02857 -17.972  < 2e-16 ***
popPerAcre1981       -0.02971    0.01127  -2.636  0.00843 **
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 3.722 on 3294 degrees of freedom
Multiple R-squared:  0.3829,    Adjusted R-squared:  0.3819
F-statistic: 408.7 on 5 and 3294 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 1991"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-7.5757 -2.1147 -0.3668  1.7018 17.6643

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          68.28149    2.42781   28.12   <2e-16 ***
xij1991               0.31198    0.01504   20.74   <2e-16 ***
```

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w1991q                0.25737    0.01666   15.45   <2e-16 ***
migshareMinusOwn1991  1.11534    0.04064   27.44   <2e-16 ***
ea1991               -0.72347    0.02552  -28.34   <2e-16 ***
popPerAcre1991       -0.13246    0.01157  -11.44   <2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 3.254 on 3294 degrees of freedom
Multiple R-squared:  0.5282,    Adjusted R-squared:  0.5275
F-statistic: 737.6 on 5 and 3294 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 2001"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-7.3346 -1.5346 -0.2452  1.4042 10.2819

Coefficients:
                     Estimate Std. Error t value           Pr(>|t|)
(Intercept)          43.38401    3.33659  13.002            < 2e-16 ***
xij2001               0.72913    0.01616  45.107            < 2e-16 ***
w2001q                0.18397    0.01996   9.218            < 2e-16 ***
migshareMinusOwn2001  0.14706    0.02710   5.426 0.0000000616394232 ***
ea2001               -0.44295    0.03462 -12.796            < 2e-16 ***
popPerAcre2001       -0.08760    0.01131  -7.747 0.0000000000000125 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 2.782 on 3294 degrees of freedom
Multiple R-squared:  0.6551,    Adjusted R-squared:  0.6546
F-statistic:  1251 on 5 and 3294 DF,  p-value: < 2.2e-16

[1] "Dundee"
[1] "DECADE 2011 ~ 1971"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-9.4255 -2.1951 -0.7569  1.0919 17.8331

Coefficients:
                     Estimate Std. Error t value   Pr(>|t|)
(Intercept)          29.12948    2.52997  11.514    < 2e-16 ***
xij1971               0.21895    0.01497  14.625    < 2e-16 ***
w1971q                0.12288    0.02586   4.752 0.00000208 ***
migshareMinusOwn1971  1.07728    0.03864  27.880    < 2e-16 ***
ea1971               -0.31633    0.02602 -12.155    < 2e-16 ***
```

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popPerAcre1971        0.02944    0.01089   2.704    0.00688 **
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 3.852 on 4174 degrees of freedom
Multiple R-squared:  0.2626,    Adjusted R-squared:  0.2617
F-statistic: 297.3 on 5 and 4174 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 1981"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
     Min       1Q   Median       3Q      Max
-12.5988  -2.2481  -0.8208   1.4748  16.8101

Coefficients:
                    Estimate Std. Error t value          Pr(>|t|)
(Intercept)          9.26297    1.24137   7.462 0.000000000000103 ***
xij1981              0.32038    0.01550  20.663           < 2e-16 ***
w1981q               0.37560    0.02725  13.784           < 2e-16 ***
migshareMinusOwn1981 0.73124    0.02486  29.418           < 2e-16 ***
ea1981              -0.11043    0.01309  -8.434           < 2e-16 ***
popPerAcre1981      -0.04912    0.01190  -4.128 0.000037328230473 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 3.76 on 4174 degrees of freedom
Multiple R-squared:  0.2975,    Adjusted R-squared:  0.2966
F-statistic: 353.5 on 5 and 4174 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 1991"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
     Min       1Q   Median       3Q      Max
-10.8574  -1.9889  -0.6265   1.2821  16.3805

Coefficients:
                    Estimate Std. Error t value        Pr(>|t|)
(Intercept)         5.467713   0.828653   6.598 0.0000000000468 ***
xij1991             0.448911   0.014854  30.221         < 2e-16 ***
w1991q              0.415419   0.026508  15.671         < 2e-16 ***
migshareMinusOwn1991 0.328615   0.019490  16.861         < 2e-16 ***
ea1991              -0.080919   0.008925  -9.067         < 2e-16 ***
popPerAcre1991       0.064167   0.009799   6.548 0.0000000000652 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
Residual standard error: 3.602 on 4174 degrees of freedom
Multiple R-squared:  0.3552,    Adjusted R-squared:  0.3544
F-statistic: 459.9 on 5 and 4174 DF,  p-value: < 2.2e-16

[1] "DECADE 2011 ~ 2001"

Call:
lm(formula = paste0("xij2011 ~ xij", i, " + w", i, "q + migshareMinusOwn",
    i, " + ea", i, " + popPerAcre", i), data = citySheets5[[j]])

Residuals:
    Min      1Q  Median      3Q     Max
-7.6289 -1.2581 -0.3075  1.0960 14.7882

Coefficients:
                     Estimate Std. Error t value    Pr(>|t|)
(Intercept)          17.466623   1.000946  17.450     < 2e-16 ***
xij2001               0.719140   0.011572  62.146     < 2e-16 ***
w2001q                0.278143   0.019806  14.044     < 2e-16 ***
migshareMinusOwn2001  0.213962   0.012570  17.021     < 2e-16 ***
ea2001               -0.210245   0.010779 -19.505     < 2e-16 ***
popPerAcre2001        0.036528   0.007124   5.127 0.000000307 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 2.691 on 4174 degrees of freedom
Multiple R-squared:  0.6401,    Adjusted R-squared:  0.6397
F-statistic:  1485 on 5 and 4174 DF,  p-value: < 2.2e-16
```