**Appendix**

1. **Hausman Test Results: Latinx Students with Latinx Teacher**

---- Coefficients ----

| (b) (B) (b-B) sqrt(diag(V\_b-V\_B))

| fixed random Difference S.E.

-------------+-----------------------------------------------------------

latin\_student| -3.124435 -3.023787 -.1006473 .77848

latinx teach | -.0950483 -.054569 -.0404793 .|

stud X teach | .1770018 .065963 .1110388 .

proplat\_teach| -1.134268 -2.217406 1.083139 .

sex2\_std | -.2013754 2.66922 -2.870595 .2275352

poverty | -.1962287 -.7133955 .5171668 .

annual\_salary| .0612846 .0843972 -.0231126 .

teach\_experie| .0184903 .0233176 -.0048273 .

teacher\_ye~e | -.0135705 -.0198822 .0063116 .

propblkstd | -2.895439 -4.787938 1.892498 .0460833

proplatstd | -1.41186 -3.312512 1.900652 .037136

proppov | .0444707 .0540967 -.009626 .

z\_elaraw\_a~e | -.6064634 .1286517 -.7351151 .

z\_elaraw\_l1 | -2.626934 .4917605 -3.118694 .0007755

stdteach\_r~o | -.072394 .0376258 -.1100199 .

ell | -2.415032 -5.202814 2.787782 .

year |

2010 | 20.47605 15.95245 4.523598 .

2011 | 31.4732 19.78368 11.68952 .0136922

2012 | 19.66754 7.628142 12.0394 .019914

2013 | 17.3744 7.511163 9.863233 .0182228

2014 | 22.65636 11.26012 11.39624 .0196524

2015 | 22.72224 9.561667 13.16057 .0217328

-------------------------------------------------------------------------

b = consistent under Ho and Ha; obtained from xtreg

B = inconsistent under Ha, efficient under Ho; obtained from xtreg

Test: Ho: difference in coefficients not systematic

chi2(22) = (b-B)'[(V\_b-V\_B)^(-1)](b-B)

= 851155.16

Prob>chi2 = 0.0000

(V\_b-V\_B is not positive definite)

1. **Hausman Test Results: Afro-Latinx Students and Latinx Teacher**

---- Coefficients ----

| (b) (B) (b-B) sqrt(diag(V\_b-V\_B))

| fixed random Difference S.E.

-------------+-----------------------------------------------------------

1.afrolatino | -.6985449 1.539123 -2.237668 .2061366

1.latino\_t~h | .046624 -.0202671 .0668911 .

afrolatinoX|

latino\_teach |

1 1 | -.1281243 -.0577815 -.0703429 .

proplat\_teach| -.5231653 -1.63847 1.115304 .

sex2\_std | -.8273337 2.817111 -3.644445 .332984

poverty | -.0368685 -.3681734 .3313049 .

annual\_sal~2 | .0466039 .0576798 -.0110759 .

teacher\_ye~l | .0188403 .0234524 -.0046121 .

teacher\_ye~e | -.0117284 -.0158993 .0041709 .

propblkstd | -3.118481 -4.266144 1.147663 .0528318

proplatstd | -.2225417 -3.085709 2.863167 .0581862

proppov | .0213084 .0297196 -.0084112 .

z\_elaraw\_a~e | -.5136205 .1213983 -.6350188 .

z\_elaraw\_l1 | -2.759339 -.0373106 -2.722029 .

stdteach\_r~o | -.0808714 .021391 -.1022624 .

ell | -1.993715 -4.798461 2.804746 .

year |

2010 | 18.79264 14.68239 4.110252 .

2011 | 29.69477 19.56698 10.12779 .017229

2012 | 17.35327 6.88753 10.46574 .0275487

2013 | 15.14495 6.511387 8.633567 .0256541

2014 | 20.00661 10.05371 9.952903 .0273669

2015 | 20.27134 8.818872 11.45247 .0299847

------------------------------------------------------------------------------

b = consistent under Ho and Ha; obtained from xtreg

B = inconsistent under Ha, efficient under Ho; obtained from xtreg

Test: Ho: difference in coefficients not systematic

chi2(22) = (b-B)'[(V\_b-V\_B)^(-1)](b-B)

= 392980.38

Prob>chi2 = 0.0000

(V\_b-V\_B is not positive definite)