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name: <unnamed>
log: /Users/justinkao/Desktop/The University of Texas at Austin/Causal Inference/Replication 1/Github/Do/RDD-LOG.smcl
log type: smcl
opened on: 5 Mar 2021, 20:19:01

1 . do "/var/folders/fs/5ct03tj50v1_hbz7dk3lc6mw0000gn/T//SD08247.000000"

2 . ssc install cmogram
checking cmogram consistency and verifying not already installed...
all files already exist and are up to date.

3 . ssc install rdrobust
checking rdrobust consistency and verifying not already installed...
all files already exist and are up to date.

4 . net install rddensity, from(https://raw.githubusercontent.com/rdpackages/rddensity/master/stata) replace
checking rddensity consistency and verifying not already installed...

the following files will be replaced:
/Users/justinkao/Library/Application Support/Stata/ado/plus/r/rdbwdensity.ado
/Users/justinkao/Library/Application Support/Stata/ado/plus/r/rdbwdensity.sthlp
/Users/justinkao/Library/Application Support/Stata/ado/plus/r/rddensity.ado
/Users/justinkao/Library/Application Support/Stata/ado/plus/r/rddensity.sthlp

installing into /Users/justinkao/Library/Application Support/Stata/ado/plus/...
installation complete.

5 .
end of do-file

6 . do "/var/folders/fs/5ct03tj50v1_hbz7dk3lc6mw0000gn/T//SD08247.000000"

7 . gen bacc=0

8 . replace bacc=1 if bac1>=0.08
(191,548 real changes made)

9 . hist bac1
(bin=53, start=0, width=.0084717)

10 .
end of do-file

11 . do "/var/folders/fs/5ct03tj50v1_hbz7dk3lc6mw0000gn/T//SD08247.000000"

12 . reg bacc white male aged acc, robust

Linear regression               Number of obs   =    214,558
                               F(4, 214553)         =     93.40
                               Prob > F             =     0.0000
                               R-squared             =     0.0016
                               Root MSE          =     .30918


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	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
white	.0171179	.0020259	8.45	0.000	.0131472 .0210886
male	.0036559	.0016481	2.22	0.027	.0004256 .0068862
aged	-.0004864	.0000611	-7.97	0.000	-.0006061 -.0003667
acc	.0277418	.0017297	16.04	0.000	.0243517 .0311132
_cons	.8880377	.0030581	290.39	0.000	.8820439 .8940314

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13 .
end of do-file

14 . do "/var/folders/fs/5ct03tj50v1_hbz7dk3lc6mw0000gn/T//SD08247.000000"

15 . cmogram acc bac1, cut(0.08) scatter line(0.08) lfit

Plotting mean of acc, conditional on bac1.

n = 214558

Bin #1: [0,.0018604650746944] (n = 1747) (mean = .2312535775615341)
Bin #2: (.0018604650746944,.0037209301493888] (n = 430) (mean = .1906976744186047)
Bin #3: (.0037209301493888,.0055813952240832] (n = 205) (mean = .1804878048780488)
Bin #4: (.0055813952240832,.0074418602987776] (n = 113) (mean = .1061946902654867)
Bin #5: (.0074418602987776,.009302325373472] (n = 123) (mean = .1463414634146341)
Bin #6: (.009302325373472,.0111627904481664] (n = 118) (mean = .1610169491525424)
Bin #7: (.0111627904481664,.013023255228608] (n = 116) (mean = .103448275862069)
Bin #8: (.013023255228608,.0148837205975552] (n = 66) (mean = .1666666666666667)
Bin #9: (.0148837205975552,.0167441856722496] (n = 110) (mean = .2090909090909091)
Bin #10: (.0167441856722496,.018604650746944] (n = 139) (mean = .1294964028776978)
Bin #11: (.018604650746944,.0204651158216384] (n = 129) (mean = .1472868217054264)

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Bin #12: (.0204651158216384,.0223255808963328] (n = 126) (mean = .1825396825396825)
Bin #13: (.0223255808963328,.0241860459710272] (n = 153) (mean = .1568627450980392)
Bin #14: (.0241860459710272,.0260465110457216] (n = 171) (mean = .1345029239766082)
Bin #15: (.0260465110457216,.027906976120416] (n = 90) (mean = .1666666666666667)
Bin #16: (.027906976120416,.0297674411951104] (n = 175) (mean = .1257142857142857)
Bin #17: (.0297674411951104,.0316279062698048] (n = 203) (mean = .1921182266009852)
Bin #18: (.0316279062698048,.0334883713444992] (n = 208) (mean = .1394230769230769)
Bin #19: (.0334883713444992,.0353488364191936] (n = 212) (mean = .1084905660377359)
Bin #20: (.0353488364191936,.037209301493888] (n = 222) (mean = .1171171171171171)
Bin #21: (.037209301493888,.0390697665685824] (n = 218) (mean = .1055045871559633)
Bin #22: (.0390697665685824,.0409302316432768] (n = 111) (mean = .1261261261261261)
Bin #23: (.0409302316432768,.0427906967179712] (n = 280) (mean = .0928571428571429)
Bin #24: (.0427906967179712,.0446511617926656] (n = 297) (mean = .1346801346801347)
Bin #25: (.0446511617926656,.04651162686736] (n = 309) (mean = .1359223300970874)
Bin #26: (.04651162686736,.0483720919420544] (n = 365) (mean = .1452054794520548)
Bin #27: (.0483720919420544,.0502325570167488] (n = 379) (mean = .1398416886543536)
Bin #28: (.0502325570167488,.0520930220914432] (n = 452) (mean = .1238938053097345)
Bin #29: (.0520930220914432,.0539534871661376] (n = 222) (mean = .0909090909090901)
Bin #30: (.0539534871661376,.055813952240832] (n = 503) (mean = .121272365805169)
Bin #31: (.055813952240832,.0576744173155264] (n = 576) (mean = .1128472222222222)
Bin #32: (.0576744173155264,.0595348823902208] (n = 648) (mean = .1219135802469136)
Bin #33: (.0595348823902208,.0613953474649152] (n = 786) (mean = .0928753180661578)
Bin #34: (.0613953474649152,.0632558125396096] (n = 908) (mean = .101321585930837)
Bin #35: (.0632558125396096,.065116277614304] (n = 935) (mean = .0855614973262032)
Bin #36: (.065116277614304,.0669767426889984] (n = 508) (mean = .1062992125984252)
Bin #37: (.0669767426889984,.0688372077636928] (n = 1124) (mean = .099644128113879)
Bin #38: (.0688372077636928,.0706976728383872] (n = 1276) (mean = .085423197492163)
Bin #39: (.0706976728383872,.0725581379130816] (n = 1421) (mean = .0950035186488389)
Bin #40: (.0725581379130816,.074418602987776] (n = 1534) (mean = .0808344198174707)
Bin #41: (.074418602987776,.0762790680624704] (n = 1661) (mean = .0854906682721252)
Bin #42: (.0762790680624704,.0781395331371648] (n = 1759) (mean = .0938032973280273)
Bin #43: (.0781395331371648,.0799999982118607] (n = 1882) (mean = .0887353878852285)
Bin #1: [.08,.0870961538644937] (n = 7516) (mean = .0875465673230442)
Bin #2: (.0870961538644937,.0941923077289874] (n = 8836) (mean = .0907650520597555)
Bin #3: (.0941923077289874,.1012884615934811] (n = 9669) (mean = .0882200848071155)
Bin #4: (.1012884615934811,.1083846154579748] (n = 10403) (mean = .1001634143996924)
Bin #5: (.1083846154579748,.1154807693224685] (n = 10849) (mean = .1065535994100839)
Bin #6: (.1154807693224685,.1225769231869622] (n = 11032) (mean = .1077773749093546)
Bin #7: (.1225769231869622,.1296730770514559] (n = 11176) (mean = .1207050823192555)
Bin #8: (.1296730770514559,.1367692309159496] (n = 11318) (mean = .1195440890616717)
Bin #9: (.1367692309159496,.1438653847804433] (n = 11281) (mean = .1311940430812871)
Bin #10: (.1438653847804433,.150961538644937] (n = 11104) (mean = .1413904899135447)
Bin #11: (.150961538644937,.1580576925094307] (n = 11942) (mean = .1493049740411991)
Bin #12: (.1580576925094307,.1651538463739244] (n = 9820) (mean = .1646639511201629)
Bin #13: (.1651538463739244,.1722500002384181] (n = 9268) (mean = .1733923176521364)
Bin #14: (.1722500002384181,.1793461541029118] (n = 8405) (mean = .1760856632956573)
Bin #15: (.1793461541029118,.1864423079674055] (n = 7425) (mean = .1934006734006734)
Bin #16: (.1864423079674055,.1935384618318992] (n = 6904) (mean = .1951042873696408)
Bin #17: (.1935384618318992,.2006346156963929] (n = 5882) (mean = .2057123427405644)
Bin #18: (.2006346156963929,.2077307695608866] (n = 5054) (mean = .2115156311832212)
Bin #19: (.2077307695608866,.2148269234253803] (n = 4234) (mean = .2179971658006613)
Bin #20: (.2148269234253803,.221923077289874] (n = 3642) (mean = .2342119714442614)
Bin #21: (.221923077289874,.2290192311543677] (n = 3441) (mean = .2441150828247602)
Bin #22: (.2290192311543677,.2361153850188614] (n = 2402) (mean = .2522897585345545)
Bin #23: (.2361153850188614,.2432115388833551] (n = 1976) (mean = .2317813765182186)
Bin #24: (.2432115388833551,.2503076927478488] (n = 1584) (mean = .2588383838383838)
Bin #25: (.2503076927478488,.2574038466123425] (n = 1313) (mean = .2871287128712871)
Bin #26: (.2574038466123425,.2645000004768362] (n = 1075) (mean = .2548837209302325)
Bin #27: (.2645000004768362,.2715961543413299] (n = 789) (mean = .2674271229404309)
Bin #28: (.2715961543413299,.2786923082058236] (n = 664) (mean = .2981927710843373)
Bin #29: (.2786923082058236,.2857884620703173] (n = 530) (mean = .2773584905660377)
Bin #30: (.2857884620703173,.292884615934811] (n = 425) (mean = .3152941176470588)
Bin #31: (.292884615934811,.2999807697993047] (n = 348) (mean = .3448275862068966)
Bin #32: (.2999807697993047,.3070769236637984] (n = 303) (mean = .3102310231023102)
Bin #33: (.3070769236637984,.3141730775282921] (n = 223) (mean = .2780269058295964)
Bin #34: (.3141730775282921,.3212692313927858] (n = 170) (mean = .3352941176470588)
Bin #35: (.3212692313927858,.3283653852572795] (n = 133) (mean = .2706766917293233)
Bin #36: (.3283653852572795,.3354615391217732] (n = 90) (mean = .3111111111111111)
Bin #37: (.3354615391217732,.3425576929862669] (n = 102) (mean = .3431372549019608)
Bin #38: (.3425576929862669,.3496538468507606] (n = 75) (mean = .2666666666666667)
Bin #39: (.3496538468507606,.3567500007152543] (n = 41) (mean = .5365853658536586)
Bin #40: (.3567500007152543,.363846154579748] (n = 30) (mean = .3666666666666666)
Bin #41: (.363846154579748,.3709423084442417] (n = 17) (mean = .1764705882352941)
Bin #42: (.3709423084442417,.3780384623087354] (n = 19) (mean = .3684210526315789)
Bin #43: (.3780384623087354,.3851346161732291] (n = 20) (mean = .15)
Bin #44: (.3851346161732291,.3922307700377228] (n = 4) (mean = .25)
Bin #45: (.3922307700377228,.3993269239022165] (n = 5) (mean = .8)
Bin #46: (.3993269239022165,.4064230777667102] (n = 3) (mean = 0)
Bin #47: (.4064230777667102,.4135192316312039] (n = 2) (mean = .5)
Bin #48: (.4135192316312039,.4206153854956976] (n = 1) (mean = 1)
Bin #49: (.4206153854956976,.4277115393601913] (n = 1) (mean = 1)
Bin #50: (.4277115393601913,.434807693224685] (n = 0) (mean = .)
Bin #51: (.434807693224685,.4419038470891787] (n = 1) (mean = 0)
Bin #52: (.4419038470891787,.4490000009536743] (n = 1) (mean = 1)

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```
16 . cmogram acc bac1, cut(0.08) scatter line(0.08) qfit
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Plotting mean of acc, conditional on bac1.

n = 214558

```

Bin #1: [0,.0018604650746944] (n = 1747) (mean = .2312535775615341)
Bin #2: (.0018604650746944,.0037209301493888] (n = 430) (mean = .1906976744186047)
Bin #3: (.0037209301493888,.0055813952240832] (n = 205) (mean = .1804878048780488)
Bin #4: (.0055813952240832,.0074418602987776] (n = 113) (mean = .1061946902654867)
Bin #5: (.0074418602987776,.009302325373472] (n = 123) (mean = .1463414634146341)
Bin #6: (.009302325373472,.0111627904481664] (n = 118) (mean = .1610169491525424)
Bin #7: (.0111627904481664,.0130232555228608] (n = 116) (mean = .103448275862069)
Bin #8: (.0130232555228608,.0148837205975552] (n = 66) (mean = .1666666666666667)
Bin #9: (.0148837205975552,.0167441856722496] (n = 110) (mean = .2090909090909091)
Bin #10: (.0167441856722496,.018604650746944] (n = 139) (mean = .1294964028776978)
Bin #11: (.018604650746944,.0204651158216384] (n = 129) (mean = .1472868217054264)
Bin #12: (.0204651158216384,.0223255808963328] (n = 126) (mean = .1825396825396825)
Bin #13: (.0223255808963328,.0241860459710272] (n = 153) (mean = .1568627450980392)
Bin #14: (.0241860459710272,.0260465110457216] (n = 171) (mean = .1345029239766082)
Bin #15: (.0260465110457216,.027906976120416] (n = 90) (mean = .1666666666666667)
Bin #16: (.027906976120416,.0297674411951104] (n = 175) (mean = .1257142857142857)
Bin #17: (.0297674411951104,.0316279062698048] (n = 203) (mean = .1921182266009852)
Bin #18: (.0316279062698048,.0334883713444992] (n = 208) (mean = .1394230769230769)
Bin #19: (.0334883713444992,.0353488364191936] (n = 212) (mean = .1084905660377359)
Bin #20: (.0353488364191936,.037209301493888] (n = 222) (mean = .1171171171171171)
Bin #21: (.037209301493888,.0390697665685824] (n = 218) (mean = .1055045871559633)
Bin #22: (.0390697665685824,.0409302316432768] (n = 111) (mean = .1261261261261261)
Bin #23: (.0409302316432768,.0427906967179712] (n = 280) (mean = .0928571428571429)
Bin #24: (.0427906967179712,.0446511617926656] (n = 297) (mean = .1346801346801347)
Bin #25: (.0446511617926656,.04651162686736] (n = 309) (mean = .1359223300970874)
Bin #26: (.04651162686736,.0483720919420544] (n = 365) (mean = .1452054794520548)
Bin #27: (.0483720919420544,.0502325570167488] (n = 379) (mean = .1398416886543536)
Bin #28: (.0502325570167488,.0520930220914432] (n = 452) (mean = .1238938053097345)
Bin #29: (.0520930220914432,.0539534871661376] (n = 222) (mean = .0900900900900901)
Bin #30: (.0539534871661376,.055813952240832] (n = 503) (mean = .121272365805169)
Bin #31: (.055813952240832,.0576744173155264] (n = 576) (mean = .1128472222222222)
Bin #32: (.0576744173155264,.0595348823902208] (n = 648) (mean = .1219135802469136)
Bin #33: (.0595348823902208,.0613953474649152] (n = 786) (mean = .0928753180661578)
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Bin #35: (.0632558125396096,.065116277614304] (n = 935) (mean = .0855614973262032)
Bin #36: (.065116277614304,.0669767426889984] (n = 508) (mean = .1062992125984252)
Bin #37: (.0669767426889984,.0688372077636928] (n = 1124) (mean = .099644128113879)
Bin #38: (.0688372077636928,.0706976728383872] (n = 1276) (mean = .085423197492163)
Bin #39: (.0706976728383872,.0725581379130816] (n = 1421) (mean = .0950035186488389)
Bin #40: (.0725581379130816,.074418602987776] (n = 1534) (mean = .0808344198174707)
Bin #41: (.074418602987776,.0762790680624704] (n = 1661) (mean = .0854906682721252)
Bin #42: (.0762790680624704,.0781395331371648] (n = 1759) (mean = .0938032973280273)
Bin #43: (.0781395331371648,.0799999982118607] (n = 1882) (mean = .0887353878852285)
Bin #1: [-.08,.0870961538644937] (n = 7516) (mean = .0875465673230442)
Bin #2: (.0870961538644937,.0941923077289874] (n = 8836) (mean = .0907650520597555)
Bin #3: (.0941923077289874,.1012884615934811] (n = 9669) (mean = .0882200848071155)
Bin #4: (.1012884615934811,.1083846154579748] (n = 10403) (mean = .1001634143996924)
Bin #5: (.1083846154579748,.1154807693224685] (n = 10849) (mean = .1065535994100839)
Bin #6: (.1154807693224685,.1225769231869622] (n = 11032) (mean = .1077773749093546)
Bin #7: (.1225769231869622,.1296730770514559] (n = 11176) (mean = .1207050823192555)
Bin #8: (.1296730770514559,.1367692309159496] (n = 11318) (mean = .1195440890616717)
Bin #9: (.1367692309159496,.1438653847804433] (n = 11281) (mean = .1311940430812871)
Bin #10: (.1438653847804433,.150961538644937] (n = 11104) (mean = .1413904894135447)
Bin #11: (.150961538644937,.1580576925094307] (n = 11942) (mean = .1493049740411991)
Bin #12: (.1580576925094307,.1651538463739244] (n = 9820) (mean = .1646639511201629)
Bin #13: (.1651538463739244,.1722500002384181] (n = 9268) (mean = .1733923176521364)
Bin #14: (.1722500002384181,.1793461541029118] (n = 8405) (mean = .1760856632956573)
Bin #15: (.1793461541029118,.1864423079674055] (n = 7425) (mean = .1934006734006734)
Bin #16: (.1864423079674055,.1935384618318992] (n = 6904) (mean = .1951042873696408)
Bin #17: (.1935384618318992,.2006346156963929] (n = 5882) (mean = .2057123427405644)
Bin #18: (.2006346156963929,.2077307695608866] (n = 5054) (mean = .2115156311832212)
Bin #19: (.2077307695608866,.2148269234253803] (n = 4234) (mean = .2179971658006613)
Bin #20: (.2148269234253803,.221923077289874] (n = 3642) (mean = .2342119714442614)
Bin #21: (.221923077289874,.2290192311543677] (n = 3441) (mean = .2441150828247602)
Bin #22: (.2290192311543677,.2361153850188614] (n = 2402) (mean = .2522897585345545)
Bin #23: (.2361153850188614,.2432115388833551] (n = 1976) (mean = .2317813765182186)
Bin #24: (.2432115388833551,.2503076927478488] (n = 1584) (mean = .2588383838383838)
Bin #25: (.2503076927478488,.2574038466123425] (n = 1313) (mean = .2871287128712871)
Bin #26: (.2574038466123425,.2645000004768362] (n = 1075) (mean = .2548837209302325)
Bin #27: (.2645000004768362,.2715961543413299] (n = 789) (mean = .2674271229404309)
Bin #28: (.2715961543413299,.2786923082058236] (n = 664) (mean = .2981927710843373)
Bin #29: (.2786923082058236,.2857884620703173] (n = 530) (mean = .2773584905660377)
Bin #30: (.2857884620703173,.292884615934811] (n = 425) (mean = .3152941176470588)
Bin #31: (.292884615934811,.2999807697993047] (n = 348) (mean = .3448275862068966)
Bin #32: (.2999807697993047,.3070769236637984] (n = 303) (mean = .3102310231023102)
Bin #33: (.3070769236637984,.3141730775282921] (n = 223) (mean = .2780269058295964)
Bin #34: (.3141730775282921,.3212692313927858] (n = 170) (mean = .3352941176470588)
Bin #35: (.3212692313927858,.3283653852572795] (n = 133) (mean = .2706766917293233)
Bin #36: (.3283653852572795,.3354615391217732] (n = 90) (mean = .3111111111111111)
Bin #37: (.3354615391217732,.3425576929862669] (n = 102) (mean = .3431372549019608)
Bin #38: (.3425576929862669,.3496538468507606] (n = 75) (mean = .2666666666666667)
Bin #39: (.3496538468507606,.3567500007152543] (n = 41) (mean = .5365853658536586)
Bin #40: (.3567500007152543,.363846154579748] (n = 30) (mean = .3666666666666667)

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Bin #41: (.363846154579748,.3709423084442417] (n = 17) (mean = .1764705882352941)
Bin #42: (.3709423084442417,.3780384623087354] (n = 19) (mean = .3684210526315789)
Bin #43: (.3780384623087354,.3851346161732291] (n = 20) (mean = .15)
Bin #44: (.3851346161732291,.3922307700377228] (n = 4) (mean = .25)
Bin #45: (.3922307700377228,.3993269239022165] (n = 5) (mean = .8)
Bin #46: (.3993269239022165,.4064230777667102] (n = 3) (mean = 0)
Bin #47: (.4064230777667102,.4135192316312039] (n = 2) (mean = .5)
Bin #48: (.4135192316312039,.4206153854956976] (n = 1) (mean = 1)
Bin #49: (.4206153854956976,.4277115393601913] (n = 1) (mean = 1)
Bin #50: (.4277115393601913,.434807693224685] (n = 0) (mean = .)
Bin #51: (.434807693224685,.4419038470891787] (n = 1) (mean = 0)
Bin #52: (.4419038470891787,.4490000009536743] (n = 1) (mean = 1)

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17 .
18 . cmogram male bac1, cut(0.08) scatter line(0.08) lfit

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Plotting mean of male, conditional on bac1.

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n = 214558

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Bin #1: [0,.0018604650746944] (n = 1747) (mean = .7218088151116199)
Bin #2: (.0018604650746944,.0037209301493888] (n = 430) (mean = .7837209302325582)
Bin #3: (.0037209301493888,.0055813952240832] (n = 205) (mean = .8)
Bin #4: (.0055813952240832,.0074418602987776] (n = 113) (mean = .8141592920353983)
Bin #5: (.0074418602987776,.009302325373472] (n = 123) (mean = .7967479674796748)
Bin #6: (.009302325373472,.0111627904481664] (n = 118) (mean = .8135593220338984)
Bin #7: (.0111627904481664,.0130232555228608] (n = 116) (mean = .9310344827586207)
Bin #8: (.0130232555228608,.0148837205975552] (n = 66) (mean = .8181818181818182)
Bin #9: (.0148837205975552,.0167441856722496] (n = 110) (mean = .7454545454545455)
Bin #10: (.0167441856722496,.018604650746944] (n = 139) (mean = .8705035971223022)
Bin #11: (.018604650746944,.0204651158216384] (n = 129) (mean = .8217054263565892)
Bin #12: (.0204651158216384,.0223255808963328] (n = 126) (mean = .8650793650793651)
Bin #13: (.0223255808963328,.0241860459710272] (n = 153) (mean = .803921568627451)
Bin #14: (.0241860459710272,.0260465110457216] (n = 171) (mean = .8187134502923976)
Bin #15: (.0260465110457216,.027906976120416] (n = 90) (mean = .8777777777777778)
Bin #16: (.027906976120416,.0297674411951104] (n = 175) (mean = .8285714285714286)
Bin #17: (.0297674411951104,.0316279062698048] (n = 203) (mean = .8226600985221675)
Bin #18: (.0316279062698048,.0334883713444992] (n = 208) (mean = .7836538461538461)
Bin #19: (.0334883713444992,.0353488364191936] (n = 212) (mean = .7877358490566038)
Bin #20: (.0353488364191936,.037209301493888] (n = 222) (mean = .7927927927927928)
Bin #21: (.037209301493888,.0390697665685824] (n = 218) (mean = .7568807339449541)
Bin #22: (.0390697665685824,.0409302316432768] (n = 111) (mean = .7747747747747747)
Bin #23: (.0409302316432768,.0427906967179712] (n = 280) (mean = .7892857142857143)
Bin #24: (.0427906967179712,.0446511617926656] (n = 297) (mean = .8047138047138047)
Bin #25: (.0446511617926656,.04651162686736] (n = 309) (mean = .8058252427184466)
Bin #26: (.04651162686736,.0483720919420544] (n = 365) (mean = .8301369863013699)
Bin #27: (.0483720919420544,.0502325570167488] (n = 379) (mean = .7994722955145118)
Bin #28: (.0502325570167488,.0520930220914432] (n = 452) (mean = .7809734513274337)
Bin #29: (.0520930220914432,.0539534871661376] (n = 222) (mean = .8108108108108109)
Bin #30: (.0539534871661376,.055813952240832] (n = 503) (mean = .7614314115308151)
Bin #31: (.055813952240832,.0576744173155264] (n = 576) (mean = .8038194444444444)
Bin #32: (.0576744173155264,.0595348823902208] (n = 648) (mean = .7824074074074074)
Bin #33: (.0595348823902208,.0613953474649152] (n = 786) (mean = .8231552162849872)
Bin #34: (.0613953474649152,.0632558125396096] (n = 908) (mean = .7907488986784141)
Bin #35: (.0632558125396096,.065116277614304] (n = 935) (mean = .7679144385026738)
Bin #36: (.065116277614304,.0669767426889984] (n = 508) (mean = .7401574803149606)
Bin #37: (.0669767426889984,.0688372077636928] (n = 1124) (mean = .7740213523131673)
Bin #38: (.0688372077636928,.0706976728383872] (n = 1276) (mean = .7656739811912225)
Bin #39: (.0706976728383872,.0725581379130816] (n = 1421) (mean = .7733990147783252)
Bin #40: (.0725581379130816,.074418602987776] (n = 1534) (mean = .8096479791395046)
Bin #41: (.074418602987776,.0762790680624704] (n = 1661) (mean = .8007224563515954)
Bin #42: (.0762790680624704,.0781395331371648] (n = 1759) (mean = .7805571347356453)
Bin #43: (.0781395331371648,.0799999982118607] (n = 1882) (mean = .7885228480340064)
Bin #1: [.08,.0870961538644937] (n = 7516) (mean = .7904470463012241)
Bin #2: (.0870961538644937,.0941923077289874] (n = 8836) (mean = .784857401539158)
Bin #3: (.0941923077289874,.1012884615934811] (n = 9669) (mean = .797807425793774)
Bin #4: (.1012884615934811,.1083846154579748] (n = 10403) (mean = .7977506488512929)
Bin #5: (.1083846154579748,.1154807693224685] (n = 10849) (mean = .7935293575444742)
Bin #6: (.1154807693224685,.1225769231869622] (n = 11032) (mean = .7933284989122552)
Bin #7: (.1225769231869622,.1296730770514559] (n = 11176) (mean = .7934860415175375)
Bin #8: (.1296730770514559,.1367692309159496] (n = 11318) (mean = .7950167874182718)
Bin #9: (.1367692309159496,.1438653847804433] (n = 11281) (mean = .7931034482758621)
Bin #10: (.1438653847804433,.150961538644937] (n = 11104) (mean = .788364553314121)
Bin #11: (.150961538644937,.1580576925094307] (n = 11942) (mean = .7924133311003182)
Bin #12: (.1580576925094307,.1651538463739244] (n = 9820) (mean = .7831975560081467)
Bin #13: (.1651538463739244,.1722500002384181] (n = 9268) (mean = .7898144151920587)
Bin #14: (.1722500002384181,.1793461541029118] (n = 8405) (mean = .792266508030934)
Bin #15: (.1793461541029118,.1864423079674055] (n = 7425) (mean = .7886868686868687)
Bin #16: (.1864423079674055,.1935384618318992] (n = 6904) (mean = .7875144843568945)
Bin #17: (.1935384618318992,.2006346156963929] (n = 5882) (mean = .7927575654539273)
Bin #18: (.2006346156963929,.2077307695608866] (n = 5054) (mean = .7872971903442818)
Bin #19: (.2077307695608866,.2148269234253803] (n = 4234) (mean = .7777515351913085)
Bin #20: (.2148269234253803,.221923077289874] (n = 3642) (mean = .7847336628226249)
Bin #21: (.221923077289874,.2290192311543677] (n = 3441) (mean = .7776809067131648)
Bin #22: (.2290192311543677,.2361153850188614] (n = 2402) (mean = .7922564529558701)
Bin #23: (.2361153850188614,.2432115388833551] (n = 1976) (mean = .7844129554655871)
Bin #24: (.2432115388833551,.2503076927478488] (n = 1584) (mean = .7752525252525253)

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Bin #25: (.2503076927478488,.2574038466123425] (n = 1313) (mean = .7783701447067783)
Bin #26: (.2574038466123425,.2645000004768362] (n = 1075) (mean = .7776744186046511)
Bin #27: (.2645000004768362,.2715961543413299] (n = 789) (mean = .8073510773130546)
Bin #28: (.2715961543413299,.2786923082058236] (n = 664) (mean = .7545180722891566)
Bin #29: (.2786923082058236,.2857884620703173] (n = 530) (mean = .7679245283018868)
Bin #30: (.2857884620703173,.292884615934811] (n = 425) (mean = .7694117647058824)
Bin #31: (.292884615934811,.2999807697993047] (n = 348) (mean = .7758620689655172)
Bin #32: (.2999807697993047,.3070769236637984] (n = 303) (mean = .759075907590759)
Bin #33: (.3070769236637984,.3141730775282921] (n = 223) (mean = .7668161434977578)
Bin #34: (.3141730775282921,.3212692313927858] (n = 170) (mean = .7705882352941177)
Bin #35: (.3212692313927858,.3283653852572795] (n = 133) (mean = .7142857142857143)
Bin #36: (.3283653852572795,.3354615391217732] (n = 90) (mean = .7555555555555555)
Bin #37: (.3354615391217732,.3425576929862669] (n = 102) (mean = .7647058823529411)
Bin #38: (.3425576929862669,.3496538468507606] (n = 75) (mean = .7066666666666667)
Bin #39: (.3496538468507606,.3567500007152543] (n = 41) (mean = .7560975609756098)
Bin #40: (.3567500007152543,.363846154579748] (n = 30) (mean = .7333333333333333)
Bin #41: (.363846154579748,.3709423084442417] (n = 17) (mean = .8235294117647058)
Bin #42: (.3709423084442417,.3780384623087354] (n = 19) (mean = .5263157894736842)
Bin #43: (.3780384623087354,.3851346161732291] (n = 20) (mean = .65)
Bin #44: (.3851346161732291,.3922307700377228] (n = 4) (mean = .75)
Bin #45: (.3922307700377228,.3993269239022165] (n = 5) (mean = .8)
Bin #46: (.3993269239022165,.4064230777667102] (n = 3) (mean = 1)
Bin #47: (.4064230777667102,.4135192316312039] (n = 2) (mean = 0)
Bin #48: (.4135192316312039,.4206153854956976] (n = 1) (mean = 0)
Bin #49: (.4206153854956976,.4277115393601913] (n = 1) (mean = 1)
Bin #50: (.4277115393601913,.434807693224685] (n = 0) (mean = .)
Bin #51: (.434807693224685,.4419038470891787] (n = 1) (mean = 1)
Bin #52: (.4419038470891787,.4490000009536743] (n = 1) (mean = 1)

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19 . cmogram male bac1, cut(0.08) scatter line(0.08) qqfit
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Plotting mean of male, conditional on bac1.
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n = 214558
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Bin #1: [0,.0018604650746944] (n = 1747) (mean = .7218088151116199)
Bin #2: (.0018604650746944,.0037209301493888] (n = 430) (mean = .7837209302325582)
Bin #3: (.0037209301493888,.0055813952240832] (n = 205) (mean = .8)
Bin #4: (.0055813952240832,.0074418602987776] (n = 113) (mean = .8141592920353983)
Bin #5: (.0074418602987776,.009302325373472] (n = 123) (mean = .7967479674796748)
Bin #6: (.009302325373472,.0111627904481664] (n = 118) (mean = .8135593220338984)
Bin #7: (.0111627904481664,.013023255228608] (n = 116) (mean = .9310344827586207)
Bin #8: (.013023255228608,.0148837205975552] (n = 66) (mean = .8181818181818182)
Bin #9: (.0148837205975552,.0167441856722496] (n = 110) (mean = .7454545454545455)
Bin #10: (.0167441856722496,.018604650746944] (n = 139) (mean = .8705035971223022)
Bin #11: (.018604650746944,.0204651158216384] (n = 129) (mean = .8217054263565892)
Bin #12: (.0204651158216384,.0223255808963328] (n = 126) (mean = .8650793650793651)
Bin #13: (.0223255808963328,.0241860459710272] (n = 153) (mean = .803921568627451)
Bin #14: (.0241860459710272,.0260465110457216] (n = 171) (mean = .8187134502923976)
Bin #15: (.0260465110457216,.027906976120416] (n = 90) (mean = .8777777777777778)
Bin #16: (.027906976120416,.0297674411951104] (n = 175) (mean = .8285714285714286)
Bin #17: (.0297674411951104,.0316279062698048] (n = 203) (mean = .8226600985221675)
Bin #18: (.0316279062698048,.0334883713444992] (n = 208) (mean = .7836538461538461)
Bin #19: (.0334883713444992,.0353488364191936] (n = 212) (mean = .7877358490566038)
Bin #20: (.0353488364191936,.037209301493888] (n = 222) (mean = .7927927927927928)
Bin #21: (.037209301493888,.0390697665685824] (n = 218) (mean = .756880733949541)
Bin #22: (.0390697665685824,.0409302316432768] (n = 111) (mean = .7747747747747747)
Bin #23: (.0409302316432768,.0427906967179712] (n = 280) (mean = .7892857142857143)
Bin #24: (.0427906967179712,.0446511617926656] (n = 297) (mean = .8047138047138047)
Bin #25: (.0446511617926656,.04651162686736] (n = 309) (mean = .8058252427184466)
Bin #26: (.04651162686736,.0483720919420544] (n = 365) (mean = .8301369863013699)
Bin #27: (.0483720919420544,.0502325570167488] (n = 379) (mean = .7994722955145118)
Bin #28: (.0502325570167488,.0520930220914432] (n = 452) (mean = .7809734513274337)
Bin #29: (.0520930220914432,.0539534871661376] (n = 222) (mean = .8108108108108109)
Bin #30: (.0539534871661376,.055813952240832] (n = 503) (mean = .7614314115308151)
Bin #31: (.055813952240832,.0576744173155264] (n = 576) (mean = .8038194444444444)
Bin #32: (.0576744173155264,.0595348823902208] (n = 648) (mean = .7824074074074074)
Bin #33: (.0595348823902208,.0613953474649152] (n = 786) (mean = .8231552162849872)
Bin #34: (.0613953474649152,.0632558125396096] (n = 908) (mean = .7907488986784141)
Bin #35: (.0632558125396096,.065116277614304] (n = 935) (mean = .7679144385026738)
Bin #36: (.065116277614304,.0669767426889984] (n = 508) (mean = .7401574803149606)
Bin #37: (.0669767426889984,.0688372077636928] (n = 1124) (mean = .7740213523131673)
Bin #38: (.0688372077636928,.0706976728383872] (n = 1276) (mean = .7656739811912225)
Bin #39: (.0706976728383872,.0725581379130816] (n = 1421) (mean = .7733990147783252)
Bin #40: (.0725581379130816,.074418602987776] (n = 1534) (mean = .8096479791395046)
Bin #41: (.074418602987776,.0762790680624704] (n = 1661) (mean = .8007224563515954)
Bin #42: (.0762790680624704,.0781395331371648] (n = 1759) (mean = .7805571347356453)
Bin #43: (.0781395331371648,.0799999982118607] (n = 1882) (mean = .7885228480340064)
Bin #1: [.08,.0870961538644937] (n = 7516) (mean = .7904470463012241)
Bin #2: (.0870961538644937,.0941923077289874] (n = 8836) (mean = .784857401539158)
Bin #3: (.0941923077289874,.1012884615934811] (n = 9669) (mean = .797807425793774)
Bin #4: (.1012884615934811,.1083846154579748] (n = 10403) (mean = .7977506488512929)
Bin #5: (.1083846154579748,.1154807693224685] (n = 10849) (mean = .7935293575444742)
Bin #6: (.1154807693224685,.1225769231869622] (n = 11032) (mean = .7933284989122552)
Bin #7: (.1225769231869622,.1296730770514559] (n = 11176) (mean = .7934860415175375)
Bin #8: (.1296730770514559,.1367692309159496] (n = 11318) (mean = .7950167874182718)
Bin #9: (.1367692309159496,.1438653847804433] (n = 11281) (mean = .7931034482758621)

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Bin #10: (.1438653847804433,.150961538644937] (n = 11104) (mean = .788364553314121)
Bin #11: (.150961538644937,.1580576925094307] (n = 11942) (mean = .7924133311003182)
Bin #12: (.1580576925094307,.1651538463739244] (n = 9820) (mean = .7831975560081467)
Bin #13: (.1651538463739244,.1722500002384181] (n = 9268) (mean = .7898144151920587)
Bin #14: (.1722500002384181,.1793461541029118] (n = 8405) (mean = .792266508030934)
Bin #15: (.1793461541029118,.1864423079674055] (n = 7425) (mean = .7886868686868687)
Bin #16: (.1864423079674055,.1935384618318992] (n = 6904) (mean = .7875144843568945)
Bin #17: (.1935384618318992,.2006346156963929] (n = 5882) (mean = .7927575654539273)
Bin #18: (.2006346156963929,.2077307695608866] (n = 5054) (mean = .7872971903442818)
Bin #19: (.2077307695608866,.2148269234253803] (n = 4234) (mean = .7777515351913085)
Bin #20: (.2148269234253803,.221923077289874] (n = 3642) (mean = .7847336628226249)
Bin #21: (.221923077289874,.2290192311543677] (n = 3441) (mean = .7776809067131648)
Bin #22: (.2290192311543677,.2361153850188614] (n = 2402) (mean = .7922564529558701)
Bin #23: (.2361153850188614,.2432115388833551] (n = 1976) (mean = .7844129554655871)
Bin #24: (.2432115388833551,.2503076927478488] (n = 1584) (mean = .7752525252525253)
Bin #25: (.2503076927478488,.2574038466123425] (n = 1313) (mean = .7783701447067783)
Bin #26: (.2574038466123425,.2645000004768362] (n = 1075) (mean = .7776744186046511)
Bin #27: (.2645000004768362,.2715961543413299] (n = 789) (mean = .8073510773130546)
Bin #28: (.2715961543413299,.2786923082058236] (n = 664) (mean = .7545180722891566)
Bin #29: (.2786923082058236,.2857884620703173] (n = 530) (mean = .7679245283018868)
Bin #30: (.2857884620703173,.292884615934811] (n = 425) (mean = .7694117647058824)
Bin #31: (.292884615934811,.2999807697993047] (n = 348) (mean = .7758620689655172)
Bin #32: (.2999807697993047,.3070769236637984] (n = 303) (mean = .759075907590759)
Bin #33: (.3070769236637984,.3141730775282921] (n = 223) (mean = .7668161434977578)
Bin #34: (.3141730775282921,.3212692313927858] (n = 170) (mean = .7705882352941177)
Bin #35: (.3212692313927858,.3283653852572795] (n = 133) (mean = .7142857142857143)
Bin #36: (.3283653852572795,.3354615391217732] (n = 90) (mean = .7555555555555555)
Bin #37: (.3354615391217732,.3425576929862669] (n = 102) (mean = .7647058823529411)
Bin #38: (.3425576929862669,.3496538468507606] (n = 75) (mean = .7066666666666667)
Bin #39: (.3496538468507606,.3567500007152543] (n = 41) (mean = .7560975609756098)
Bin #40: (.3567500007152543,.363846154579748] (n = 30) (mean = .7333333333333333)
Bin #41: (.363846154579748,.3709423084442417] (n = 17) (mean = .8235294117647058)
Bin #42: (.3709423084442417,.3780384623087354] (n = 19) (mean = .5263157894736842)
Bin #43: (.3780384623087354,.3851346161732291] (n = 20) (mean = .65)
Bin #44: (.3851346161732291,.3922307700377228] (n = 4) (mean = .75)
Bin #45: (.3922307700377228,.3993269239022165] (n = 5) (mean = .8)
Bin #46: (.3993269239022165,.4064230777667102] (n = 3) (mean = 1)
Bin #47: (.4064230777667102,.4135192316312039] (n = 2) (mean = 0)
Bin #48: (.4135192316312039,.4206153854956976] (n = 1) (mean = 0)
Bin #49: (.4206153854956976,.4277115393601913] (n = 1) (mean = 1)
Bin #50: (.4277115393601913,.434807693224685] (n = 0) (mean = .)
Bin #51: (.434807693224685,.4419038470891787] (n = 1) (mean = 1)
Bin #52: (.4419038470891787,.4490000009536743] (n = 1) (mean = 1)

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20 .

21 . cmogram white bac1, cut(0.08) scatter line(0.08) lfit

Plotting mean of white, conditional on bac1.

n = 214558

```

Bin #1: [0,.0018604650746944] (n = 1747) (mean = .8214081282198054)
Bin #2: (.0018604650746944,.0037209301493888] (n = 430) (mean = .8767441860465116)
Bin #3: (.0037209301493888,.0055813952240832] (n = 205) (mean = .8292682926829268)
Bin #4: (.0055813952240832,.0074418602987776] (n = 113) (mean = .8407079646017699)
Bin #5: (.0074418602987776,.009302325373472] (n = 123) (mean = .8373983739837398)
Bin #6: (.009302325373472,.0111627904481664] (n = 118) (mean = .8305084745762712)
Bin #7: (.0111627904481664,.0130232555228608] (n = 116) (mean = .8189655172413793)
Bin #8: (.0130232555228608,.0148837205975552] (n = 66) (mean = .8181818181818182)
Bin #9: (.0148837205975552,.0167441856722496] (n = 110) (mean = .8454545454545455)
Bin #10: (.0167441856722496,.018604650746944] (n = 139) (mean = .8776978417266187)
Bin #11: (.018604650746944,.0204651158216384] (n = 129) (mean = .8217054263565892)
Bin #12: (.0204651158216384,.0223255808963328] (n = 126) (mean = .8650793650793651)
Bin #13: (.0223255808963328,.0241860459710272] (n = 153) (mean = .8823529411764706)
Bin #14: (.0241860459710272,.0260465110457216] (n = 171) (mean = .7953216374269005)
Bin #15: (.0260465110457216,.027906976120416] (n = 90) (mean = .8888888888888888)
Bin #16: (.027906976120416,.0297674411951104] (n = 175) (mean = .8342857142857143)
Bin #17: (.0297674411951104,.0316279062698048] (n = 203) (mean = .8275862068965517)
Bin #18: (.0316279062698048,.0334883713444992] (n = 208) (mean = .8028846153846154)
Bin #19: (.0334883713444992,.0353488364191936] (n = 212) (mean = .8773584905660378)
Bin #20: (.0353488364191936,.037209301493888] (n = 222) (mean = .8378378378378378)
Bin #21: (.037209301493888,.0390697665685824] (n = 218) (mean = .8165137614678899)
Bin #22: (.0390697665685824,.0409302316432768] (n = 111) (mean = .8828828828828829)
Bin #23: (.0409302316432768,.0427906967179712] (n = 280) (mean = .8464285714285714)
Bin #24: (.0427906967179712,.0446511617926656] (n = 297) (mean = .8552188552188552)
Bin #25: (.0446511617926656,.04651162686736] (n = 309) (mean = .8640776699029126)
Bin #26: (.04651162686736,.0483720919420544] (n = 365) (mean = .8684931506849315)
Bin #27: (.0483720919420544,.0502325570167488] (n = 379) (mean = .8390501319261213)
Bin #28: (.0502325570167488,.0520930220914432] (n = 452) (mean = .8207964601769911)
Bin #29: (.0520930220914432,.0539534871661376] (n = 222) (mean = .8648648648648649)
Bin #30: (.0539534871661376,.055813952240832] (n = 503) (mean = .856858846918489)
Bin #31: (.055813952240832,.0576744173155264] (n = 576) (mean = .8472222222222222)
Bin #32: (.0576744173155264,.0595348823902208] (n = 648) (mean = .8395061728395061)
Bin #33: (.0595348823902208,.0613953474649152] (n = 786) (mean = .8536895674300254)
Bin #34: (.0613953474649152,.0632558125396096] (n = 908) (mean = .8259911894273128)
Bin #35: (.0632558125396096,.065116277614304] (n = 935) (mean = .8609625668449198)
Bin #36: (.065116277614304,.0669767426889984] (n = 508) (mean = .8267716535433071)

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Bin #37: (.0669767426889984,.0688372077636928] (n = 1124) (mean = .8327402135231317)
Bin #38: (.0688372077636928,.0706976728383872] (n = 1276) (mean = .8550156739811913)
Bin #39: (.0706976728383872,.0725581379130816] (n = 1421) (mean = .8360309641097818)
Bin #40: (.0725581379130816,.074418602987776] (n = 1534) (mean = .834419817470665)
Bin #41: (.074418602987776,.0762790680624704] (n = 1661) (mean = .8573148705599036)
Bin #42: (.0762790680624704,.0781395313171648] (n = 1759) (mean = .8436611711199545)
Bin #43: (.0781395313171648,.0799999982118607] (n = 1882) (mean = .8528161530286928)
Bin #1: [.08,.0870961538644937] (n = 7516) (mean = .854843001596594)
Bin #2: (.0870961538644937,.0941923077289874] (n = 8836) (mean = .8499320959710276)
Bin #3: (.0941923077289874,.1012884615934811] (n = 9669) (mean = .8531388975074982)
Bin #4: (.1012884615934811,.1083846154579748] (n = 10403) (mean = .8521580313371143)
Bin #5: (.1083846154579748,.1154807693224685] (n = 10849) (mean = .8591575260392663)
Bin #6: (.1154807693224685,.1225769231869622] (n = 11032) (mean = .8564176939811458)
Bin #7: (.1225769231869622,.1296730770514559] (n = 11176) (mean = .85567287043665)
Bin #8: (.1296730770514559,.1367692309159496] (n = 11318) (mean = .8571302350238558)
Bin #9: (.1367692309159496,.1438653847804433] (n = 11281) (mean = .8589664036876163)
Bin #10: (.1438653847804433,.150961538644937] (n = 11104) (mean = .8646433717579251)
Bin #11: (.150961538644937,.1580576925094307] (n = 11942) (mean = .8737229944732876)
Bin #12: (.1580576925094307,.1651538463739244] (n = 9820) (mean = .8707739307535641)
Bin #13: (.1651538463739244,.1722500002384181] (n = 9268) (mean = .8650194216659474)
Bin #14: (.1722500002384181,.1793461541029118] (n = 8405) (mean = .8703152885187388)
Bin #15: (.1793461541029118,.1864423079674055] (n = 7425) (mean = .8703030303030304)
Bin #16: (.1864423079674055,.1935384618318992] (n = 6904) (mean = .8752896871378911)
Bin #17: (.1935384618318992,.2006346156963929] (n = 5882) (mean = .870282216933016)
Bin #18: (.2006346156963929,.2077307695608866] (n = 5054) (mean = .872774040364068)
Bin #19: (.2077307695608866,.2148269234253803] (n = 4234) (mean = .8755314123760037)
Bin #20: (.2148269234253803,.221923077289874] (n = 3642) (mean = .8671059857221307)
Bin #21: (.221923077289874,.2290192311543677] (n = 3441) (mean = .8785236849752979)
Bin #22: (.2290192311543677,.2361153850188614] (n = 2402) (mean = .8684429641965029)
Bin #23: (.2361153850188614,.2432115388833551] (n = 1976) (mean = .8739878542510121)
Bin #24: (.2432115388833551,.2503076927478488] (n = 1584) (mean = .8825757575757576)
Bin #25: (.2503076927478488,.2574038466123425] (n = 1313) (mean = .8750952018278751)
Bin #26: (.2574038466123425,.2645000004768362] (n = 1075) (mean = .8986046511627906)
Bin #27: (.2645000004768362,.2715961543413299] (n = 789) (mean = .8669201520912547)
Bin #28: (.2715961543413299,.2786923082058236] (n = 664) (mean = .8885542168674698)
Bin #29: (.2786923082058236,.2857884620703173] (n = 530) (mean = .8584905660377359)
Bin #30: (.2857884620703173,.292884615934811] (n = 425) (mean = .88)
Bin #31: (.292884615934811,.2999807697993047] (n = 348) (mean = .8706896551724138)
Bin #32: (.2999807697993047,.3070769236637984] (n = 303) (mean = .900990099009901)
Bin #33: (.3070769236637984,.3141730775282921] (n = 223) (mean = .9013452914798207)
Bin #34: (.3141730775282921,.3212692313927858] (n = 170) (mean = .888235294117647)
Bin #35: (.3212692313927858,.3283653852572795] (n = 133) (mean = .8796992481203008)
Bin #36: (.3283653852572795,.3354615391217732] (n = 90) (mean = .9111111111111111)
Bin #37: (.3354615391217732,.3425576929862669] (n = 102) (mean = .8235294117647058)
Bin #38: (.3425576929862669,.3496538468507606] (n = 75) (mean = .88)
Bin #39: (.3496538468507606,.3567500007152543] (n = 41) (mean = .8780487804878049)
Bin #40: (.3567500007152543,.363846154579748] (n = 30) (mean = .9666666666666667)
Bin #41: (.363846154579748,.3709423084442417] (n = 17) (mean = .8235294117647058)
Bin #42: (.3709423084442417,.3780384623087354] (n = 19) (mean = .8947368421052632)
Bin #43: (.3780384623087354,.3851346161732291] (n = 20) (mean = .9)
Bin #44: (.3851346161732291,.3922307700377228] (n = 4) (mean = 1)
Bin #45: (.3922307700377228,.3993269239022165] (n = 5) (mean = 1)
Bin #46: (.3993269239022165,.4064230777667102] (n = 3) (mean = 1)
Bin #47: (.4064230777667102,.4135192316312039] (n = 2) (mean = 1)
Bin #48: (.4135192316312039,.4206153854956976] (n = 1) (mean = 1)
Bin #49: (.4206153854956976,.4277115393601913] (n = 1) (mean = 1)
Bin #50: (.4277115393601913,.434807693224685] (n = 0) (mean = .)
Bin #51: (.434807693224685,.4419038470891787] (n = 1) (mean = 1)
Bin #52: (.4419038470891787,.4490000009536743] (n = 1) (mean = 1)

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22 . cmogram white bac1, cut(0.08) scatter line(0.08) qfit
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Plotting mean of white, conditional on bac1.
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n = 214558
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Bin #1: [0,.0018604650746944] (n = 1747) (mean = .8214081282198054)
Bin #2: (.0018604650746944,.0037209301493888] (n = 430) (mean = .8767441860465116)
Bin #3: (.0037209301493888,.0055813952240832] (n = 205) (mean = .8292682926829268)
Bin #4: (.0055813952240832,.0074418602987776] (n = 113) (mean = .8407079646017699)
Bin #5: (.0074418602987776,.009302325373472] (n = 123) (mean = .8373983739837398)
Bin #6: (.009302325373472,.0111627904481664] (n = 118) (mean = .8305084745762712)
Bin #7: (.0111627904481664,.013023255228608] (n = 116) (mean = .8189655172413793)
Bin #8: (.013023255228608,.0148837205975552] (n = 66) (mean = .8181818181818182)
Bin #9: (.0148837205975552,.0167441856722496] (n = 110) (mean = .8454545454545455)
Bin #10: (.0167441856722496,.018604650746944] (n = 139) (mean = .8776978417266187)
Bin #11: (.018604650746944,.0204651158216384] (n = 129) (mean = .8217054263565892)
Bin #12: (.0204651158216384,.0223255808963328] (n = 126) (mean = .8650793650793651)
Bin #13: (.0223255808963328,.0241860459710272] (n = 153) (mean = .8823529411764706)
Bin #14: (.0241860459710272,.0260465110457216] (n = 171) (mean = .7953216374269005)
Bin #15: (.0260465110457216,.027906976120416] (n = 90) (mean = .8888888888888888)
Bin #16: (.027906976120416,.0297674411951104] (n = 175) (mean = .8342857142857143)
Bin #17: (.0297674411951104,.0316279062698048] (n = 203) (mean = .8275862068965517)
Bin #18: (.0316279062698048,.0334883713444992] (n = 208) (mean = .8028846153846154)
Bin #19: (.0334883713444992,.0353488364191936] (n = 212) (mean = .8773584905660378)
Bin #20: (.0353488364191936,.037209301493888] (n = 222) (mean = .8378378378378378)
Bin #21: (.037209301493888,.0390697665685824] (n = 218) (mean = .8165137614678899)

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Bin #22: (.0390697665685824,.0409302316432768] (n = 111) (mean = .8828828828828829)
Bin #23: (.0409302316432768,.0427906967179712] (n = 280) (mean = .8464285714285714)
Bin #24: (.0427906967179712,.0446511617926656] (n = 297) (mean = .8552188552188552)
Bin #25: (.0446511617926656,.04651162686736] (n = 309) (mean = .8640776699029126)
Bin #26: (.04651162686736,.0483720919420544] (n = 365) (mean = .8684931506849315)
Bin #27: (.0483720919420544,.0502325570167488] (n = 379) (mean = .8395051319261213)
Bin #28: (.0502325570167488,.0520930220914432] (n = 452) (mean = .8207964601769911)
Bin #29: (.0520930220914432,.0539534871661376] (n = 222) (mean = .8648648648648649)
Bin #30: (.0539534871661376,.055813952240832] (n = 503) (mean = .856858846918489)
Bin #31: (.055813952240832,.0576744173155264] (n = 576) (mean = .8472222222222222)
Bin #32: (.0576744173155264,.0595348823902208] (n = 648) (mean = .8395061728395061)
Bin #33: (.0595348823902208,.0613953474649152] (n = 786) (mean = .8536895674300254)
Bin #34: (.0613953474649152,.0632558125396096] (n = 908) (mean = .8259911894273128)
Bin #35: (.0632558125396096,.065116277614304] (n = 935) (mean = .8609625668449198)
Bin #36: (.065116277614304,.0669767426889984] (n = 508) (mean = .8267716535433071)
Bin #37: (.0669767426889984,.0688372077636928] (n = 1124) (mean = .8327402135231317)
Bin #38: (.0688372077636928,.0706976728383872] (n = 1276) (mean = .8550156739811913)
Bin #39: (.0706976728383872,.0725581379130816] (n = 1421) (mean = .8360309641097818)
Bin #40: (.0725581379130816,.074418602987776] (n = 1534) (mean = .834419817470665)
Bin #41: (.074418602987776,.0762790680624704] (n = 1661) (mean = .8573148705599036)
Bin #42: (.0762790680624704,.0781395331371648] (n = 1759) (mean = .8436611711199545)
Bin #43: (.0781395331371648,.0799999982118607] (n = 1882) (mean = .8528161530286928)
Bin #1: [.08,.0870961538644937] (n = 7516) (mean = .854843001596594)
Bin #2: (.0870961538644937,.0941923077289874] (n = 8836) (mean = .8499320959710276)
Bin #3: (.0941923077289874,.1012884615934811] (n = 9669) (mean = .8531388975074982)
Bin #4: (.1012884615934811,.1083846154579748] (n = 10403) (mean = .8521580313371143)
Bin #5: (.1083846154579748,.1154807693224685] (n = 10849) (mean = .8591575260392663)
Bin #6: (.1154807693224685,.1225769231869622] (n = 11032) (mean = .8564176939811458)
Bin #7: (.1225769231869622,.1296730770514559] (n = 11176) (mean = .85567287043665)
Bin #8: (.1296730770514559,.1367692309159496] (n = 11318) (mean = .8571302350238558)
Bin #9: (.1367692309159496,.1438653847804433] (n = 11281) (mean = .8589664036876163)
Bin #10: (.1438653847804433,.150961538644937] (n = 11104) (mean = .8646433717579251)
Bin #11: (.150961538644937,.1580576925094307] (n = 11942) (mean = .8737229944732876)
Bin #12: (.1580576925094307,.1651538463739244] (n = 9820) (mean = .8707739307535641)
Bin #13: (.1651538463739244,.1722500002384181] (n = 9268) (mean = .8650194216659474)
Bin #14: (.1722500002384181,.1793461541029118] (n = 8405) (mean = .8703152885187388)
Bin #15: (.1793461541029118,.1864423079674055] (n = 7425) (mean = .8703030303030304)
Bin #16: (.1864423079674055,.1935384618318992] (n = 6904) (mean = .8752896871378911)
Bin #17: (.1935384618318992,.2006346156963929] (n = 5882) (mean = .870282216933016)
Bin #18: (.2006346156963929,.2077307695608866] (n = 5054) (mean = .872774040364068)
Bin #19: (.2077307695608866,.2148269234253803] (n = 4234) (mean = .8755314123760037)
Bin #20: (.2148269234253803,.221923077289874] (n = 3642) (mean = .8671059857221307)
Bin #21: (.221923077289874,.2290192311543677] (n = 3441) (mean = .8785236849752979)
Bin #22: (.2290192311543677,.2361153850188614] (n = 2402) (mean = .8684429641965029)
Bin #23: (.2361153850188614,.2432115388833551] (n = 1976) (mean = .8739878542510121)
Bin #24: (.2432115388833551,.2503076927478488] (n = 1584) (mean = .8825757575757576)
Bin #25: (.2503076927478488,.2574038466123425] (n = 1313) (mean = .8750952018278751)
Bin #26: (.2574038466123425,.2645000004768362] (n = 1075) (mean = .8986046511627906)
Bin #27: (.2645000004768362,.2715961543413299] (n = 789) (mean = .8669201520912547)
Bin #28: (.2715961543413299,.2786923082058236] (n = 664) (mean = .8885542168674698)
Bin #29: (.2786923082058236,.2857884620703173] (n = 530) (mean = .8584905660377359)
Bin #30: (.2857884620703173,.292884615934811] (n = 425) (mean = .88)
Bin #31: (.292884615934811,.2999807697993047] (n = 348) (mean = .8706896551724138)
Bin #32: (.2999807697993047,.3070769236637984] (n = 303) (mean = .9009900900909901)
Bin #33: (.3070769236637984,.3141730775282921] (n = 223) (mean = .9013452914798207)
Bin #34: (.3141730775282921,.3212692313927858] (n = 170) (mean = .888235294117647)
Bin #35: (.3212692313927858,.3283653852572795] (n = 133) (mean = .8796992481203008)
Bin #36: (.3283653852572795,.3354615391217732] (n = 90) (mean = .9111111111111111)
Bin #37: (.3354615391217732,.3425576929862669] (n = 102) (mean = .8235294117647058)
Bin #38: (.3425576929862669,.3496538468507606] (n = 75) (mean = .88)
Bin #39: (.3496538468507606,.3567500007152543] (n = 41) (mean = .8780487804878049)
Bin #40: (.3567500007152543,.363846154579748] (n = 30) (mean = .9666666666666667)
Bin #41: (.363846154579748,.3709423084442417] (n = 17) (mean = .8235294117647058)
Bin #42: (.3709423084442417,.3780384623087354] (n = 19) (mean = .8947368421052632)
Bin #43: (.3780384623087354,.3851346161732291] (n = 20) (mean = .9)
Bin #44: (.3851346161732291,.3922307700377228] (n = 4) (mean = 1)
Bin #45: (.3922307700377228,.3993269239022165] (n = 5) (mean = 1)
Bin #46: (.3993269239022165,.4064230777667102] (n = 3) (mean = 1)
Bin #47: (.4064230777667102,.4135192316312039] (n = 2) (mean = 1)
Bin #48: (.4135192316312039,.4206153854956976] (n = 1) (mean = 1)
Bin #49: (.4206153854956976,.4277115393601913] (n = 1) (mean = 1)
Bin #50: (.4277115393601913,.434807693224685] (n = 0) (mean = .)
Bin #51: (.434807693224685,.4419038470891787] (n = 1) (mean = 1)
Bin #52: (.4419038470891787,.4490000009536743] (n = 1) (mean = 1)

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23 .

24 . cmogram aged bacl, cut(0.08) scatter line(0.08) lfit

Plotting mean of aged, conditional on bacl.

n = 214558

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Bin #1: [0,.0018604650746944] (n = 1747) (mean = 38.79107040641099)
Bin #2: (.0018604650746944,.0037209301493888] (n = 430) (mean = 37.74418604651163)
Bin #3: (.0037209301493888,.0055813952240832] (n = 205) (mean = 38.39512195121952)
Bin #4: (.0055813952240832,.0074418602987776] (n = 113) (mean = 36.5575221238938)
Bin #5: (.0074418602987776,.009302325373472] (n = 123) (mean = 36.77235772357724)

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Bin #6: (.009302325373472,.0111627904481664] (n = 118) (mean = 39.01694915254237)
Bin #7: (.0111627904481664,.0130232555228608] (n = 116) (mean = 38.11206896551724)
Bin #8: (.0130232555228608,.0148837205975552] (n = 66) (mean = 35.95454545454545)
Bin #9: (.0148837205975552,.0167441856722496] (n = 110) (mean = 38.47272727272728)
Bin #10: (.0167441856722496,.018604650746944] (n = 139) (mean = 37.71942446043165)
Bin #11: (.018604650746944,.0204651158216384] (n = 129) (mean = 37.55038759689923)
Bin #12: (.0204651158216384,.0223255808963328] (n = 126) (mean = 34.90476190476191)
Bin #13: (.0223255808963328,.0241860459710272] (n = 153) (mean = 36.01307189542484)
Bin #14: (.0241860459710272,.0260465110457216] (n = 171) (mean = 36.15204678362573)
Bin #15: (.0260465110457216,.027906976120416] (n = 90) (mean = 37.65555555555556)
Bin #16: (.027906976120416,.0297674411951104] (n = 175) (mean = 36.42285714285714)
Bin #17: (.0297674411951104,.0316279062698048] (n = 203) (mean = 37.07389162561577)
Bin #18: (.0316279062698048,.0334883713444992] (n = 208) (mean = 37.42307692307692)
Bin #19: (.0334883713444992,.0353488364191936] (n = 212) (mean = 37.29245283018868)
Bin #20: (.0353488364191936,.037209301493888] (n = 222) (mean = 35.97297297297298)
Bin #21: (.037209301493888,.0390697665685824] (n = 218) (mean = 37.10091743119266)
Bin #22: (.0390697665685824,.0409302316432768] (n = 111) (mean = 39.36036036036036)
Bin #23: (.0409302316432768,.0427906967179712] (n = 280) (mean = 37.11071428571429)
Bin #24: (.0427906967179712,.0446511617926656] (n = 297) (mean = 36.18181818181818)
Bin #25: (.0446511617926656,.04651162686736] (n = 309) (mean = 35.65695792880259)
Bin #26: (.04651162686736,.0483720919420544] (n = 365) (mean = 36.02191780821918)
Bin #27: (.0483720919420544,.0502325570167488] (n = 379) (mean = 36.11873350923483)
Bin #28: (.0502325570167488,.0520930220914432] (n = 452) (mean = 36.82964601769911)
Bin #29: (.0520930220914432,.0539534871661376] (n = 222) (mean = 35.17567567567568)
Bin #30: (.0539534871661376,.055813952240832] (n = 503) (mean = 34.97614314115308)
Bin #31: (.055813952240832,.0576744173155264] (n = 576) (mean = 35.21354166666666)
Bin #32: (.0576744173155264,.0595348823902208] (n = 648) (mean = 35.04012345679013)
Bin #33: (.0595348823902208,.0613953474649152] (n = 786) (mean = 34.97837150127226)
Bin #34: (.0613953474649152,.0632558125396096] (n = 908) (mean = 35.16079295154185)
Bin #35: (.0632558125396096,.065116277614304] (n = 935) (mean = 35.19251336898396)
Bin #36: (.065116277614304,.0669767426889984] (n = 508) (mean = 34.38779527559055)
Bin #37: (.0669767426889984,.0688372077636928] (n = 1124) (mean = 35.11120996441281)
Bin #38: (.0688372077636928,.0706976728383872] (n = 1276) (mean = 34.60423197492163)
Bin #39: (.0706976728383872,.0725581379130816] (n = 1421) (mean = 34.48979591836735)
Bin #40: (.0725581379130816,.074418602987776] (n = 1534) (mean = 34.24315514993481)
Bin #41: (.074418602987776,.0762790680624704] (n = 1661) (mean = 34.15833835039133)
Bin #42: (.0762790680624704,.0781395331371648] (n = 1759) (mean = 34.63843092666288)
Bin #43: (.0781395331371648,.0799999982118607] (n = 1882) (mean = 33.76620616365569)
Bin #1: [.08,.0870961538644937] (n = 7516) (mean = 33.86455561468866)
Bin #2: (.0870961538644937,.0941923077289874] (n = 8836) (mean = 33.90006790402897)
Bin #3: (.0941923077289874,.1012884615934811] (n = 9669) (mean = 33.99658703071673)
Bin #4: (.1012884615934811,.1083846154579748] (n = 10403) (mean = 33.72863597039316)
Bin #5: (.1083846154579748,.1154807693224685] (n = 10849) (mean = 33.95428150059913)
Bin #6: (.1154807693224685,.1225769231869622] (n = 11032) (mean = 34.07605148658448)
Bin #7: (.1225769231869622,.1296730770514559] (n = 11176) (mean = 34.20427702219041)
Bin #8: (.1296730770514559,.1367692309159496] (n = 11318) (mean = 33.93002297225658)
Bin #9: (.1367692309159496,.1438653847804433] (n = 11281) (mean = 34.33170818189877)
Bin #10: (.1438653847804433,.150961538644937] (n = 11104) (mean = 34.43804034582133)
Bin #11: (.150961538644937,.1580576925094307] (n = 11942) (mean = 34.56380840730196)
Bin #12: (.1580576925094307,.1651538463739244] (n = 9820) (mean = 34.95560081466395)
Bin #13: (.1651538463739244,.1722500002384181] (n = 9268) (mean = 35.07919723780751)
Bin #14: (.1722500002384181,.1793461541029118] (n = 8405) (mean = 35.02153480071386)
Bin #15: (.1793461541029118,.1864423079674055] (n = 7425) (mean = 35.19434343434344)
Bin #16: (.1864423079674055,.1935384618318992] (n = 6904) (mean = 35.42439165701043)
Bin #17: (.1935384618318992,.2006346156963929] (n = 5882) (mean = 35.92417545052703)
Bin #18: (.2006346156963929,.2077307695608866] (n = 5054) (mean = 36.1810447170558)
Bin #19: (.2077307695608866,.2148269234253803] (n = 4234) (mean = 36.42158715162967)
Bin #20: (.2148269234253803,.221923077289874] (n = 3642) (mean = 36.43108182317408)
Bin #21: (.221923077289874,.2290192311543677] (n = 3441) (mean = 36.94042429526301)
Bin #22: (.2290192311543677,.2361153850188614] (n = 2402) (mean = 37.41465445462115)
Bin #23: (.2361153850188614,.2432115388833551] (n = 1976) (mean = 38.0915991902834)
Bin #24: (.2432115388833551,.2503076927478488] (n = 1584) (mean = 38.41287878787879)
Bin #25: (.2503076927478488,.2574038466123425] (n = 1313) (mean = 38.9527798937395)
Bin #26: (.2574038466123425,.2645000004768362] (n = 1075) (mean = 39.05302325581395)
Bin #27: (.2645000004768362,.2715961543413299] (n = 789) (mean = 40.24081115335868)
Bin #28: (.2715961543413299,.2786923082058236] (n = 664) (mean = 39.7816265060241)
Bin #29: (.2786923082058236,.2857884620703173] (n = 530) (mean = 40.35471698113208)
Bin #30: (.2857884620703173,.292884615934811] (n = 425) (mean = 40.43058823529412)
Bin #31: (.292884615934811,.2999807697993047] (n = 348) (mean = 40.25862068965517)
Bin #32: (.2999807697993047,.3070769236637984] (n = 303) (mean = 41.44554455445455)
Bin #33: (.3070769236637984,.3141730775282921] (n = 223) (mean = 41.00896860986547)
Bin #34: (.3141730775282921,.3212692313927858] (n = 170) (mean = 41.68823529411765)
Bin #35: (.3212692313927858,.3283653852572795] (n = 133) (mean = 40.92481203007519)
Bin #36: (.3283653852572795,.3354615391217732] (n = 90) (mean = 41.24444444444445)
Bin #37: (.3354615391217732,.3425576929862669] (n = 102) (mean = 40.56862745098039)
Bin #38: (.3425576929862669,.3496538468507606] (n = 75) (mean = 40.26666666666667)
Bin #39: (.3496538468507606,.3567500007152543] (n = 41) (mean = 41.19512195121951)
Bin #40: (.3567500007152543,.363846154579748] (n = 30) (mean = 42.46666666666667)
Bin #41: (.363846154579748,.3709423084442417] (n = 17) (mean = 39.8235294117647)
Bin #42: (.3709423084442417,.3780384623087354] (n = 19) (mean = 41.57894736842105)
Bin #43: (.3780384623087354,.3851346161732291] (n = 20) (mean = 42.75)
Bin #44: (.3851346161732291,.3922307700377228] (n = 4) (mean = 36.5)
Bin #45: (.3922307700377228,.3993269239022165] (n = 5) (mean = 37.4)
Bin #46: (.3993269239022165,.406423077667102] (n = 3) (mean = 39)
Bin #47: (.406423077667102,.4135192316312039] (n = 2) (mean = 41.5)
Bin #48: (.4135192316312039,.4206153854956976] (n = 1) (mean = 38)
Bin #49: (.4206153854956976,.4277115393601913] (n = 1) (mean = 39)

```

```

Bin #50: (.4277115393601913,.434807693224685] (n = 0) (mean = .)
Bin #51: (.434807693224685,.4419038470891787] (n = 1) (mean = 31)
Bin #52: (.4419038470891787,.4490000009536743] (n = 1) (mean = 47)

```

```
25 . cmogram aged bac1, cut(0.08) scatter line(0.08) qfit
```

```
Plotting mean of aged, conditional on bac1.
```

```
n = 214558
```

```

Bin #1: [0,.0018604650746944] (n = 1747) (mean = 38.79107040641099)
Bin #2: (.0018604650746944,.0037209301493888] (n = 430) (mean = 37.74418604651163)
Bin #3: (.0037209301493888,.0055813952240832] (n = 205) (mean = 38.39512195121952)
Bin #4: (.0055813952240832,.0074418602987776] (n = 113) (mean = 36.5575221238938)
Bin #5: (.0074418602987776,.009302325373472] (n = 123) (mean = 36.77235772357724)
Bin #6: (.009302325373472,.0111627904481664] (n = 118) (mean = 39.01694915254237)
Bin #7: (.0111627904481664,.013023255228608] (n = 116) (mean = 38.11206896551724)
Bin #8: (.013023255228608,.0148837205975552] (n = 66) (mean = 35.95454545454545)
Bin #9: (.0148837205975552,.0167441856722496] (n = 110) (mean = 38.47272727272728)
Bin #10: (.0167441856722496,.018604650746944] (n = 139) (mean = 37.71942446043165)
Bin #11: (.018604650746944,.0204651158216384] (n = 129) (mean = 37.55038759689923)
Bin #12: (.0204651158216384,.0223255808963328] (n = 126) (mean = 34.90476190476191)
Bin #13: (.0223255808963328,.0241860459710272] (n = 153) (mean = 36.01307189542484)
Bin #14: (.0241860459710272,.0260465110457216] (n = 171) (mean = 36.15204678362573)
Bin #15: (.0260465110457216,.027906976120416] (n = 90) (mean = 37.65555555555556)
Bin #16: (.027906976120416,.0297674411951104] (n = 175) (mean = 36.42285714285714)
Bin #17: (.0297674411951104,.0316279062698048] (n = 203) (mean = 37.07389162561577)
Bin #18: (.0316279062698048,.0334883713444992] (n = 208) (mean = 37.42307692307692)
Bin #19: (.0334883713444992,.0353488364191936] (n = 212) (mean = 37.29245283018868)
Bin #20: (.0353488364191936,.037209301493888] (n = 222) (mean = 35.97297297297298)
Bin #21: (.037209301493888,.0390697665685824] (n = 218) (mean = 37.10091743119266)
Bin #22: (.0390697665685824,.0409302316432768] (n = 111) (mean = 39.36036036036036)
Bin #23: (.0409302316432768,.0427906967179712] (n = 280) (mean = 37.11071428571429)
Bin #24: (.0427906967179712,.0446511617926656] (n = 297) (mean = 36.18181818181818)
Bin #25: (.0446511617926656,.04651162686736] (n = 309) (mean = 35.65695792880259)
Bin #26: (.04651162686736,.0483720919420544] (n = 365) (mean = 36.02191780821918)
Bin #27: (.0483720919420544,.0502325570167488] (n = 379) (mean = 36.11873350923483)
Bin #28: (.0502325570167488,.0520930220914432] (n = 452) (mean = 36.82964601769911)
Bin #29: (.0520930220914432,.0539534871661376] (n = 222) (mean = 35.17567567567568)
Bin #30: (.0539534871661376,.055813952240832] (n = 503) (mean = 34.97614314115308)
Bin #31: (.055813952240832,.0576744173155264] (n = 576) (mean = 35.21354166666666)
Bin #32: (.0576744173155264,.0595348823902208] (n = 648) (mean = 35.04012345679013)
Bin #33: (.0595348823902208,.0613953474649152] (n = 786) (mean = 34.97837150127226)
Bin #34: (.0613953474649152,.0632558125396096] (n = 908) (mean = 35.16079295154185)
Bin #35: (.0632558125396096,.065116277614304] (n = 935) (mean = 35.19251336898396)
Bin #36: (.065116277614304,.0669767426889984] (n = 508) (mean = 34.38779527559055)
Bin #37: (.0669767426889984,.0688372077636928] (n = 1124) (mean = 35.11120996441281)
Bin #38: (.0688372077636928,.0706976728383872] (n = 1276) (mean = 34.60423197492163)
Bin #39: (.0706976728383872,.0725581379130816] (n = 1421) (mean = 34.48979591836735)
Bin #40: (.0725581379130816,.074418602987776] (n = 1534) (mean = 34.24315514993481)
Bin #41: (.074418602987776,.0762790680624704] (n = 1661) (mean = 34.15833835039133)
Bin #42: (.0762790680624704,.078139531371648] (n = 1759) (mean = 34.63843092666288)
Bin #43: (.078139531371648,.0799999982118607] (n = 1882) (mean = 33.76620616365569)
Bin #1: [.08,.0870961538644937] (n = 7516) (mean = 33.86455561468866)
Bin #2: (.0870961538644937,.0941923077289874] (n = 8836) (mean = 33.90006790402897)
Bin #3: (.0941923077289874,.1012884615934811] (n = 9669) (mean = 33.99658703071673)
Bin #4: (.1012884615934811,.1083846154579748] (n = 10403) (mean = 33.72863597039316)
Bin #5: (.1083846154579748,.1154807693224685] (n = 10849) (mean = 33.95428150059913)
Bin #6: (.1154807693224685,.1225769231869622] (n = 11032) (mean = 34.07605148658448)
Bin #7: (.1225769231869622,.1296730770514559] (n = 11176) (mean = 34.20427702219041)
Bin #8: (.1296730770514559,.1367692309159496] (n = 11318) (mean = 33.93002297225658)
Bin #9: (.1367692309159496,.1438653847804433] (n = 11281) (mean = 34.33170818189877)
Bin #10: (.1438653847804433,.150961538644937] (n = 11104) (mean = 34.43804034582133)
Bin #11: (.150961538644937,.1580576925094307] (n = 11942) (mean = 34.56380840730196)
Bin #12: (.1580576925094307,.1651538463739244] (n = 9820) (mean = 34.95560081466395)
Bin #13: (.1651538463739244,.1722500002384181] (n = 9268) (mean = 35.07919723780751)
Bin #14: (.1722500002384181,.1793461541029118] (n = 8405) (mean = 35.02153480071386)
Bin #15: (.1793461541029118,.1864423079674055] (n = 7425) (mean = 35.19434343434344)
Bin #16: (.1864423079674055,.1935384618318992] (n = 6904) (mean = 35.42439165701043)
Bin #17: (.1935384618318992,.2006346156963929] (n = 5882) (mean = 35.92417545052703)
Bin #18: (.2006346156963929,.2077307695608866] (n = 5054) (mean = 36.1810447170558)
Bin #19: (.2077307695608866,.2148269234253803] (n = 4234) (mean = 36.42158715162967)
Bin #20: (.2148269234253803,.221923077289874] (n = 3642) (mean = 36.43108182317408)
Bin #21: (.221923077289874,.2290192311543677] (n = 3441) (mean = 36.94042429526301)
Bin #22: (.2290192311543677,.2361153850188614] (n = 2402) (mean = 37.41465445462115)
Bin #23: (.2361153850188614,.243211538833551] (n = 1976) (mean = 38.0915991902834)
Bin #24: (.243211538833551,.2503076927478488] (n = 1584) (mean = 38.41287878787879)
Bin #25: (.2503076927478488,.2574038466123425] (n = 1313) (mean = 38.9527798937395)
Bin #26: (.2574038466123425,.2645000004768362] (n = 1075) (mean = 39.05302325581395)
Bin #27: (.2645000004768362,.2715961543413299] (n = 789) (mean = 40.24081115335868)
Bin #28: (.2715961543413299,.2786923082058236] (n = 664) (mean = 39.7816265060241)
Bin #29: (.2786923082058236,.2857884620703173] (n = 530) (mean = 40.35471698113208)
Bin #30: (.2857884620703173,.292884615934811] (n = 425) (mean = 40.43058823529412)
Bin #31: (.292884615934811,.2999807697993047] (n = 348) (mean = 40.25862068965517)
Bin #32: (.2999807697993047,.3070769236637984] (n = 303) (mean = 41.44554454454545)
Bin #33: (.3070769236637984,.3141730775282921] (n = 223) (mean = 41.00896860986547)
Bin #34: (.3141730775282921,.3212692313927858] (n = 170) (mean = 41.68823529411765)

```

```

Bin #35: (.3212692313927858,.3283653852572795] (n = 133) (mean = 40.92481203007519)
Bin #36: (.3283653852572795,.3354615391217732] (n = 90) (mean = 41.24444444444445)
Bin #37: (.3354615391217732,.3425576929862669] (n = 102) (mean = 40.56862745098039)
Bin #38: (.3425576929862669,.3496538468507606] (n = 75) (mean = 40.26666666666667)
Bin #39: (.3496538468507606,.3567500007152543] (n = 41) (mean = 41.19512195121951)
Bin #40: (.3567500007152543,.363846154579748] (n = 30) (mean = 42.46666666666667)
Bin #41: (.363846154579748,.3709423084442417] (n = 17) (mean = 39.8235294117647)
Bin #42: (.3709423084442417,.3780384623087354] (n = 19) (mean = 41.57894736842105)
Bin #43: (.3780384623087354,.3851346161732291] (n = 20) (mean = 42.75)
Bin #44: (.3851346161732291,.3922307700377228] (n = 4) (mean = 36.5)
Bin #45: (.3922307700377228,.3993269239022165] (n = 5) (mean = 37.4)
Bin #46: (.3993269239022165,.4064230777667102] (n = 3) (mean = 39)
Bin #47: (.4064230777667102,.4135192316312039] (n = 2) (mean = 41.5)
Bin #48: (.4135192316312039,.4206153854956976] (n = 1) (mean = 38)
Bin #49: (.4206153854956976,.4277115393601913] (n = 1) (mean = 39)
Bin #50: (.4277115393601913,.434807693224685] (n = 0) (mean = .)
Bin #51: (.434807693224685,.4419038470891787] (n = 1) (mean = 31)
Bin #52: (.4419038470891787,.4490000009536743] (n = 1) (mean = 47)

```

```

26 .
    end of do-file

```

```

27 . do "/var/folders/fs/5ct03tj50v1_hbz7dk31c6mw0000gn/T/SD08247.000000"

```

```

28 . gen bac1_c = bac1 - 0.08

```

```

29 . gen baccbac1_c = bacc*bac1_c

```

```

30 . gen bac1_c2 = bac1^2

```

```

31 . gen bac1_c3 = bac1*bac1*bac1

```

```

32 .
33 . xi: reg recidivism male white age acc i.bacc*bac1 if bac1>=0.03 & bac1<=0.13, robust
      i.bacc      _ibacc_0-1      (naturally coded; _ibacc_0 omitted)
      i.bacc*bac1      _ibacxbac1_#      (coded as above)

```

```

Linear regression          Number of obs   =    89,967
                          F(7, 89959)     =    51.13
                          Prob > F         =    0.0000
                          R-squared        =    0.0036
                          Root MSE      =    .30849

```

recidivism	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
male	.0331803	.0023289	14.25	0.000	.0286157	.0377449
white	.0162238	.0028024	5.79	0.000	.0107311	.0217166
aged	-.0008537	.000085	-10.05	0.000	-.0010203	-.0006872
acc	.0042096	.003452	1.22	0.223	-.0025562	.0109754
_ibacc_1	-.0590663	.0152111	-3.88	0.000	-.0888798	-.0292528
bac1	-.0428678	.1866322	-0.23	0.818	-.4086651	.3229296
_ibacxbac1_1	.4380899	.2037978	2.15	0.032	.0386482	.8375316
_cons	.1093521	.013144	8.32	0.000	.0835899	.1351142

```

34 . xi: reg recidivism male white age acc bacc##(c.bac1_c c.bac1_c2) if bac1>=0.03 & bac1<=0.13, robust

```

```

Linear regression          Number of obs   =    89,967
                          F(9, 89957)     =    40.23
                          Prob > F         =    0.0000
                          R-squared        =    0.0037
                          Root MSE      =    .30848

```

recidivism	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
male	.0332123	.0023288	14.26	0.000	.028648	.0377767
white	.0162247	.0028024	5.79	0.000	.0107321	.0217173
aged	-.0008538	.000085	-10.05	0.000	-.0010203	-.0006872
acc	.0041839	.0034514	1.21	0.225	-.0025807	.0109485
1.bacc	-.2238005	.0925514	-2.42	0.016	-.4052004	-.0424005
bac1_c	2.902053	1.6372	1.77	0.076	-.3068418	6.110949
bac1_c2	-24.71687	13.73897	-1.80	0.072	-51.64513	2.211387
bacc#c.bac1_c_1	-4.210134	2.111312	-1.99	0.046	-8.348286	-.0719823
bacc#c.bac1_c2_1	32.73074	15.10452	2.17	0.030	3.126027	62.33546
_cons	.2583356	.0848328	3.05	0.002	.0920642	.4246071

```

35 . xi: reg recidivism male white age acc bacc##(c.bac1_c c.bac1_c2 c.bac1_c3) if bac1>=0.03 & bac1<=0.13, robust

```

```

Linear regression              Number of obs   =    89,967
                               F(11, 89955)      =    33.13
                               Prob > F         =    0.0000
                               R-squared        =    0.0037
                               Root MSE     =    .30848

```

recidivism	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
male	.0331975	.0023287	14.26	0.000	.0286333	.0377617
white	.0161976	.0028024	5.78	0.000	.010705	.0216902
aged	-.0008535	.000085	-10.05	0.000	-.0010201	-.000687
acc	.0041603	.003451	1.21	0.228	-.0026037	.0109242
1.bacc	-1.187112	1.00535	-1.18	0.238	-3.157589	.7833645
bac1_c	17.39161	10.70768	1.62	0.104	-3.595332	38.37856
bac1_c2	-283.4411	190.7475	-1.49	0.137	-657.3043	90.42209
bac1_c3	1483.953	1096.539	1.35	0.176	-665.254	3633.16
bacc#c.bac1_c 1	-20.07589	19.75236	-1.02	0.309	-58.79032	18.63854
bacc#c.bac1_c2 1	304.5843	247.824	1.23	0.219	-181.1484	790.317
bacc#c.bac1_c3 1	-1525.25	1204.35	-1.27	0.205	-3885.763	835.2642
_cons	1.159119	.6650649	1.74	0.081	-.1444022	2.46264

```

36 .
37 . xi: reg recidivism male white age acc i.bacc*bac1 if bac1>=0.055 & bac1<=0.105, robust
      i.bacc      _ibacc_0-1      (naturally coded; _ibacc_0 omitted)
      i.bacc*bac1      _ibaccbac1_#      (coded as above)

```

```

Linear regression              Number of obs   =    46,957
                               F(7, 46949)      =    29.17
                               Prob > F         =    0.0000
                               R-squared        =    0.0040
                               Root MSE     =    .30625

```

recidivism	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
male	.0357191	.0031666	11.28	0.000	.0295126	.0419256
white	.0175942	.0038129	4.61	0.000	.0101209	.0250675
aged	-.0007579	.0001154	-6.57	0.000	-.000984	-.0005318
acc	.0042208	.0049681	0.85	0.396	-.0055168	.0139584
_ibacc_1	-.0643427	.0350143	-1.84	0.066	-.1329712	.0042858
bac1	-.1955582	.3825057	-0.51	0.609	-.9452749	.5541586
_ibaccbac1_1	.5470655	.4493585	1.22	0.223	-.3336838	1.427815
_cons	.113252	.027755	4.08	0.000	.0588519	.1676522

```

38 . xi: reg recidivism male white age acc bacc##(c.bac1_c c.bac1_c2) if bac1>=0.055 & bac1<=0.105, robust

```

```

Linear regression              Number of obs   =    46,957
                               F(9, 46947)      =    22.78
                               Prob > F         =    0.0000
                               R-squared        =    0.0040
                               Root MSE     =    .30626

```

recidivism	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
male	.0357529	.0031666	11.29	0.000	.0295463	.0419596
white	.0175921	.0038126	4.61	0.000	.0101193	.0250649
aged	-.0007582	.0001154	-6.57	0.000	-.0009844	-.000532
acc	.0042334	.004968	0.85	0.394	-.005504	.0139709
1.bacc	-.4702096	.4369911	-1.08	0.282	-1.326718	.3862993
bac1_c	6.167045	8.119768	0.76	0.448	-9.747818	22.08191
bac1_c2	-46.06441	58.7465	-0.78	0.433	-161.2084	69.07958
bacc#c.bac1_c 1	-10.52059	10.60942	-0.99	0.321	-31.3152	10.27402
bacc#c.bac1_c2 1	71.26729	69.20719	1.03	0.303	-64.37981	206.9144
_cons	.3891242	.3720196	1.05	0.296	-.3400396	1.118288

```

39 . xi: reg recidivism male white age acc bacc##(c.bac1_c c.bac1_c2 c.bac1_c3) if bac1>=0.055 & bac1<=0.155, robust

```

note: 1.bacc#c.bac1\_c3 omitted because of collinearity

Linear regression

Number of obs = 124,150  
F(10, 124139) = 45.20  
Prob > F = 0.0000  
R-squared = 0.0033  
Root MSE = .31138

recidivism	Robust		t	P> t	[95% Conf. Interval]	
	Coef.	Std. Err.				
male	.0326767	.0020067	16.28	0.000	.0287436	.0366098
white	.013702	.0024485	5.60	0.000	.008903	.018501
aged	-.0007718	.0000738	-10.45	0.000	-.0009165	-.0006271
acc	-.0009274	.0028146	-0.33	0.742	-.0064441	.0045892
1.bacc	-.4295416	.3895655	-1.10	0.270	-1.193083	.3340003
bac1_c	4.140075	8.31118	0.50	0.618	-12.1497	20.42985
bac1_c2	-17.48799	64.18922	-0.27	0.785	-143.2978	108.3218
bac1_c3	-133.641	125.3945	-1.07	0.287	-379.4121	112.1301
bacc#c.bac1_c1	-9.273283	8.80651	-1.05	0.292	-26.53389	7.987327
bacc#c.bac1_c21	64.83592	61.64395	1.05	0.293	-55.98518	185.657
bacc#c.bac1_c31	0 (omitted)					
_cons	.2812856	.3855102	0.73	0.466	-.4743078	1.036879

40 .  
41 . rddensity bac1, c(0.08) plot  
Computing data-driven bandwidth selectors.  
  
Point estimates and standard errors have been adjusted for repeated observations.  
(Use option nomasspoints to suppress this adjustment.)

RD Manipulation test using local polynomial density estimation.

c =	0.080	Left of c	Right of c	Number of obs =	214558
				Model	= unrestricted
Number of obs	23010	191548		BW method	= comb
Eff. Number of obs	14727	28946		Kernel	= triangular
Order est. (p)	2	2		VCE method	= jackknife
Order bias (q)	3	3			
BW est. (h)	0.023	0.023			

Running variable: bac1.

Method	T	P> T
Robust	-0.1387	0.8897

P-values of binomial tests. (H0: prob = .5)

Window Length / 2	<c	>=c	P> T
0.000	909	0	0.0000
0.000	909	0	0.0000
0.000	909	0	0.0000
0.000	909	0	0.0000
0.000	909	0	0.0000
0.000	909	0	0.0000
0.000	909	0	0.0000
0.000	909	0	0.0000
0.000	909	0	0.0000
0.000	909	0	0.0000
0.000	909	0	0.0000

42 .  
43 . rdrobust recidivism bac1, c(0.08)  
Mass points detected in the running variable.

Sharp RD estimates using local polynomial regression.

Cutoff c = .08	Left of c	Right of c	Number of obs =	214558
			BW type	= msrd
Number of obs	23010	191548	Kernel	= Triangular
Eff. Number of obs	16574	41013	VCE method	= NN
Order est. (p)	1	1		
Order bias (q)	2	2		
BW est. (h)	0.031	0.031		
BW bias (b)	0.050	0.050		

rho (h/b)	0.633	0.633
Unique obs	81	318

Outcome: recidivism. Running variable: bac1.

Method	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
Conventional	-.01826	.00567	-3.2203	0.001	-.029376	-.007147
Robust	-	-	-2.5025	0.012	-.029963	-.003643

Estimates adjusted for mass points in the running variable.

```
44 .
end of do-file

45 . do "/var/folders/fs/5ct0jtj50v1_hbz7dk31c6mw0000gn/T/SD08247.000000"

46 . cmogram recidivism bac1 if bac1<0.15, cut(0.08) scatter line(0.08) lfit

Plotting mean of recidivism, conditional on bac1.

n = 124642

Bin #1: [0,.0018604650746944] (n = 1747) (mean = .1173440183171151)
Bin #2: (.0018604650746944,.0037209301493888] (n = 430) (mean = .1186046511627907)
Bin #3: (.0037209301493888,.0055813952240832] (n = 205) (mean = .0780487804878049)
Bin #4: (.0055813952240832,.0074418602987776] (n = 113) (mean = .0707964601769911)
Bin #5: (.0074418602987776,.009302325373472] (n = 123) (mean = .1382113821138211)
Bin #6: (.009302325373472,.0111627904481664] (n = 118) (mean = .1016949152542373)
Bin #7: (.0111627904481664,.0130232555228608] (n = 116) (mean = .1293103448275862)
Bin #8: (.0130232555228608,.0148837205975552] (n = 66) (mean = .0757575757575758)
Bin #9: (.0148837205975552,.0167441856722496] (n = 110) (mean = .1090909090909091)
Bin #10: (.0167441856722496,.018604650746944] (n = 139) (mean = .1151079136690648)
Bin #11: (.018604650746944,.0204651158216384] (n = 129) (mean = .1162790697674419)
Bin #12: (.0204651158216384,.0223255808963328] (n = 126) (mean = .1031746031746032)
Bin #13: (.0223255808963328,.0241860459710272] (n = 153) (mean = .130718954248366)
Bin #14: (.0241860459710272,.0260465110457216] (n = 171) (mean = .1345029239766082)
Bin #15: (.0260465110457216,.027906976120416] (n = 90) (mean = .1444444444444444)
Bin #16: (.027906976120416,.0297674411951104] (n = 175) (mean = .1371428571428571)
Bin #17: (.0297674411951104,.0316279062698048] (n = 203) (mean = .0788177339901478)
Bin #18: (.0316279062698048,.0334883713444992] (n = 208) (mean = .1057692307692308)
Bin #19: (.0334883713444992,.0353488364191936] (n = 212) (mean = .089622641509434)
Bin #20: (.0353488364191936,.037209301493888] (n = 222) (mean = .1036036036036036)
Bin #21: (.037209301493888,.0390697665685824] (n = 218) (mean = .1192660550458716)
Bin #22: (.0390697665685824,.0409302316432768] (n = 111) (mean = .1081081081081081)
Bin #23: (.0409302316432768,.0427906967179712] (n = 280) (mean = .1142857142857143)
Bin #24: (.0427906967179712,.0446511617926656] (n = 297) (mean = .1346801346801347)
Bin #25: (.0446511617926656,.04651162686736] (n = 309) (mean = .1488673139158576)
Bin #26: (.04651162686736,.0483720919420544] (n = 365) (mean = .1150684931506849)
Bin #27: (.0483720919420544,.0502325570167488] (n = 379) (mean = .1266490765171504)
Bin #28: (.0502325570167488,.0520930220914432] (n = 452) (mean = .1194690265486726)
Bin #29: (.0520930220914432,.0539534871661376] (n = 222) (mean = .1171171171171171)
Bin #30: (.0539534871661376,.055813952240832] (n = 503) (mean = .1272365805168986)
Bin #31: (.055813952240832,.0576744173155264] (n = 576) (mean = .1145833333333333)
Bin #32: (.0576744173155264,.0595348823902208] (n = 648) (mean = .1080246913580247)
Bin #33: (.0595348823902208,.0613953474649152] (n = 786) (mean = .1272264631043257)
Bin #34: (.0613953474649152,.0632558125396096] (n = 908) (mean = .1156387665198238)
Bin #35: (.0632558125396096,.065116277614304] (n = 935) (mean = .1165775401069519)
Bin #36: (.065116277614304,.0669767426889984] (n = 508) (mean = .1181102362204724)
Bin #37: (.0669767426889984,.0688372077636928] (n = 1124) (mean = .1245551601423488)
Bin #38: (.0688372077636928,.0706976728383872] (n = 1276) (mean = .1175548589341693)
Bin #39: (.0706976728383872,.0725581379130816] (n = 1421) (mean = .1147079521463758)
Bin #40: (.0725581379130816,.074418602987776] (n = 1534) (mean = .1160365058670143)
Bin #41: (.074418602987776,.0762790680624704] (n = 1661) (mean = .1149909692956051)
Bin #42: (.0762790680624704,.078139531371648] (n = 1759) (mean = .1182490051165435)
Bin #43: (.078139531371648,.0799999982118607] (n = 1882) (mean = .1121147715196599)
Bin #1: [.08,.0813800000786781] (n = 979) (mean = .0990806945863126)
Bin #2: (.0813800000786781,.0827600001573562] (n = 1099) (mean = .097361237488626)
Bin #3: (.0827600001573562,.0841400002360343] (n = 2134) (mean = .0974695407685098)
Bin #4: (.0841400002360343,.0855200003147124] (n = 1053) (mean = .1016144349477683)
Bin #5: (.0855200003147124,.0869000003933905] (n = 1084) (mean = .0839483394833948)
Bin #6: (.0869000003933905,.0882800004720686] (n = 2383) (mean = .0973562736047)
Bin #7: (.0882800004720686,.0896600005507467] (n = 1270) (mean = .1)
Bin #8: (.0896600005507467,.0910400006294248] (n = 2463) (mean = .096630125862769)
Bin #9: (.0910400006294248,.0924200007081029] (n = 1265) (mean = .0996047430830039)
Bin #10: (.0924200007081029,.093800000786781] (n = 1325) (mean = .100377358490566)
Bin #11: (.093800000786781,.0951800008654591] (n = 2621) (mean = .1041587180465471)
Bin #12: (.0951800008654591,.0965600009441372] (n = 1327) (mean = .0972117558402412)
Bin #13: (.0965600009441372,.0979400010228153] (n = 1325) (mean = .0867924528301887)
Bin #14: (.0979400010228153,.0993200011014934] (n = 2839) (mean = .1039098274040155)
Bin #15: (.0993200011014934,.1007000011801715] (n = 1388) (mean = .0965417867435159)
Bin #16: (.1007000011801715,.1020800012588496] (n = 2912) (mean = .1061126373626374)
Bin #17: (.1020800012588496,.1034600013375277] (n = 1479) (mean = .1041244083840433)
Bin #18: (.1034600013375277,.1048400014162058] (n = 1520) (mean = .1006578947368421)
Bin #19: (.1048400014162058,.1062200014948839] (n = 3005) (mean = .097171381031614)
Bin #20: (.1062200014948839,.107600001573562] (n = 1447) (mean = .0912232204561161)
Bin #21: (.107600001573562,.1089800016522401] (n = 1506) (mean = .1049136786188579)
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Bin #22: (.1089800016522401,.1103600017309182] (n = 3025) (mean = .1067768595041322)
Bin #23: (.1103600017309182,.1117400018095963] (n = 1564) (mean = .0978260869565217)
Bin #24: (.1117400018095963,.1131200018882744] (n = 3139) (mean = .0974832749283211)
Bin #25: (.1131200018882744,.1145000019669525] (n = 1501) (mean = .1012658227848101)
Bin #26: (.1145000019669525,.1158800020456306] (n = 1620) (mean = .1203703703703704)
Bin #27: (.1158800020456306,.1172600021243087] (n = 3097) (mean = .1168873103002906)
Bin #28: (.1172600021243087,.1186400022029868] (n = 1550) (mean = .112258064516129)
Bin #29: (.1186400022029868,.1200200022816649] (n = 3135) (mean = .1129186602870813)
Bin #30: (.1200200022816649,.121400002360343] (n = 1666) (mean = .1002400960384154)
Bin #31: (.121400002360343,.1227800024390211] (n = 1584) (mean = .1212121212121212)
Bin #32: (.1227800024390211,.1241600025176992] (n = 3225) (mean = .1032558139534884)
Bin #33: (.1241600025176992,.1255400025963773] (n = 1589) (mean = .1107614852108244)
Bin #34: (.1255400025963773,.1269200026750554] (n = 1570) (mean = .1210191082802548)
Bin #35: (.1269200026750554,.1283000027537335] (n = 3210) (mean = .1087227414330218)
Bin #36: (.1283000027537335,.1296800028324116] (n = 1582) (mean = .1201011378002528)
Bin #37: (.1296800028324116,.1310600029110897] (n = 3170) (mean = .1066246056782334)
Bin #38: (.1310600029110897,.1324400029897678] (n = 1639) (mean = .1086028065893838)
Bin #39: (.1324400029897678,.1338200030684459] (n = 1604) (mean = .1066084788029925)
Bin #40: (.1338200030684459,.135200003147124] (n = 3268) (mean = .1193390452876377)
Bin #41: (.135200003147124,.1365800032258021] (n = 1637) (mean = .1148442272449603)
Bin #42: (.1365800032258021,.1379600033044802] (n = 1665) (mean = .1063063063063063)
Bin #43: (.1379600033044802,.1393400033831583] (n = 3161) (mean = .1142043657070547)
Bin #44: (.1393400033831583,.1407200034618364] (n = 1656) (mean = .126207729468599)
Bin #45: (.1407200034618364,.1421000035405145] (n = 3232) (mean = .1194306930693069)
Bin #46: (.1421000035405145,.1434800036191926] (n = 1567) (mean = .1174218251435865)
Bin #47: (.1434800036191926,.1448600036978707] (n = 1609) (mean = .1180857675574891)
Bin #48: (.1448600036978707,.1462400037765488] (n = 3077) (mean = .1095222619434514)
Bin #49: (.1462400037765488,.1476200038552269] (n = 1594) (mean = .1066499372647428)
Bin #50: (.1476200038552269,.1490000039339066] (n = 3272) (mean = .1271393643031785)

```

```

47 . cmogram recidivism bacl if bacl<0.15, cut(0.08) scatter line(0.08) qfit

```

```

Plotting mean of recidivism, conditional on bacl.

```

```

n = 124642

```

```

Bin #1: [0,.0018604650746944] (n = 1747) (mean = .1173440183171151)
Bin #2: (.0018604650746944,.0037209301493888] (n = 430) (mean = .1186046511627907)
Bin #3: (.0037209301493888,.0055813952240832] (n = 205) (mean = .0780487804878049)
Bin #4: (.0055813952240832,.0074418602987776] (n = 113) (mean = .0707964601769911)
Bin #5: (.0074418602987776,.009302325373472] (n = 123) (mean = .1382113821138211)
Bin #6: (.009302325373472,.0111627904481664] (n = 118) (mean = .1016949152542373)
Bin #7: (.0111627904481664,.013023255228608] (n = 116) (mean = .1293103448275862)
Bin #8: (.013023255228608,.0148837205975552] (n = 66) (mean = .0757575757575758)
Bin #9: (.0148837205975552,.0167441856722496] (n = 110) (mean = .1090909090909091)
Bin #10: (.0167441856722496,.018604650746944] (n = 139) (mean = .1151079136690648)
Bin #11: (.018604650746944,.0204651158216384] (n = 129) (mean = .1162790697674419)
Bin #12: (.0204651158216384,.0223255808963328] (n = 126) (mean = .1031746031746032)
Bin #13: (.0223255808963328,.0241860459710272] (n = 153) (mean = .130718954248366)
Bin #14: (.0241860459710272,.0260465110457216] (n = 171) (mean = .1345029239766082)
Bin #15: (.0260465110457216,.027906976120416] (n = 90) (mean = .1444444444444444)
Bin #16: (.027906976120416,.0297674411951104] (n = 175) (mean = .1371428571428571)
Bin #17: (.0297674411951104,.0316279062698048] (n = 203) (mean = .0788177339901478)
Bin #18: (.0316279062698048,.0334883713444992] (n = 208) (mean = .1057692307692308)
Bin #19: (.0334883713444992,.0353488364191936] (n = 212) (mean = .089622641509434)
Bin #20: (.0353488364191936,.037209301493888] (n = 222) (mean = .1036036036036036)
Bin #21: (.037209301493888,.0390697665685824] (n = 218) (mean = .1192660550458716)
Bin #22: (.0390697665685824,.0409302316432768] (n = 111) (mean = .1081081081081081)
Bin #23: (.0409302316432768,.0427906967179712] (n = 280) (mean = .1142857142857143)
Bin #24: (.0427906967179712,.0446511617926656] (n = 297) (mean = .1346801346801347)
Bin #25: (.0446511617926656,.04651162686736] (n = 309) (mean = .1488673139158576)
Bin #26: (.04651162686736,.0483720919420544] (n = 365) (mean = .1150684931506849)
Bin #27: (.0483720919420544,.0502325570167488] (n = 379) (mean = .1266490765171504)
Bin #28: (.0502325570167488,.0520930220914432] (n = 452) (mean = .1194690265486726)
Bin #29: (.0520930220914432,.0539534871661376] (n = 222) (mean = .1171171171171171)
Bin #30: (.0539534871661376,.055813952240832] (n = 503) (mean = .1272365805168986)
Bin #31: (.055813952240832,.0576744173155264] (n = 576) (mean = .1145833333333333)
Bin #32: (.0576744173155264,.0595348823902208] (n = 648) (mean = .1080246913580247)
Bin #33: (.0595348823902208,.0613953474649152] (n = 786) (mean = .1272264631043257)
Bin #34: (.0613953474649152,.0632558125396096] (n = 908) (mean = .1156387665198238)
Bin #35: (.0632558125396096,.065116277614304] (n = 935) (mean = .1165775401069519)
Bin #36: (.065116277614304,.0669767426889984] (n = 508) (mean = .1181102362204724)
Bin #37: (.0669767426889984,.0688372077636928] (n = 1124) (mean = .1245551601423488)
Bin #38: (.0688372077636928,.070697672838372] (n = 1276) (mean = .1175548589341693)
Bin #39: (.070697672838372,.0725581379130816] (n = 1421) (mean = .1147079521463758)
Bin #40: (.0725581379130816,.074418602987776] (n = 1534) (mean = .1160365058670143)
Bin #41: (.074418602987776,.0762790680624704] (n = 1661) (mean = .1149909692956051)
Bin #42: (.0762790680624704,.078139531371648] (n = 1759) (mean = .1182490051165435)
Bin #43: (.078139531371648,.0799999982118607] (n = 1882) (mean = .1121147715196599)
Bin #1: [.08,.0813800000786781] (n = 979) (mean = .0990806945863126)
Bin #2: (.0813800000786781,.0827600001573562] (n = 1099) (mean = .097361237488626)
Bin #3: (.0827600001573562,.0841400002360343] (n = 2134) (mean = .0974695407685098)
Bin #4: (.0841400002360343,.0855200003147124] (n = 1053) (mean = .1016144349477683)
Bin #5: (.0855200003147124,.0869000003933905] (n = 1084) (mean = .0839483394833948)
Bin #6: (.0869000003933905,.0882800004720686] (n = 2383) (mean = .0973562736047)
Bin #7: (.0882800004720686,.0896600005507467] (n = 1270) (mean = .1)
Bin #8: (.0896600005507467,.0910400006294248] (n = 2463) (mean = .096630125862769)

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Bin #9: (.0910400006294248,.0924200007081029] (n = 1265) (mean = .0996047430830039)
Bin #10: (.0924200007081029,.093800000786781] (n = 1325) (mean = .100377358490566)
Bin #11: (.093800000786781,.0951800008654591] (n = 2621) (mean = .1041587180465471)
Bin #12: (.0951800008654591,.0965600009441372] (n = 1327) (mean = .0972117558402412)
Bin #13: (.0965600009441372,.0979400010228153] (n = 1325) (mean = .0867924528301887)
Bin #14: (.0979400010228153,.0993200011014934] (n = 2839) (mean = .1039098274040155)
Bin #15: (.0993200011014934,.1007000011801715] (n = 1388) (mean = .0965417867435159)
Bin #16: (.1007000011801715,.1020800012588496] (n = 2912) (mean = .1061126373626374)
Bin #17: (.1020800012588496,.1034600013375277] (n = 1479) (mean = .1041244083840433)
Bin #18: (.1034600013375277,.1048400014162058] (n = 1520) (mean = .1006578947368421)
Bin #19: (.1048400014162058,.1062200014948839] (n = 3005) (mean = .097171381031614)
Bin #20: (.1062200014948839,.107600001573562] (n = 1447) (mean = .0912232204561161)
Bin #21: (.107600001573562,.1089800016522401] (n = 1506) (mean = .1049136786188579)
Bin #22: (.1089800016522401,.1103600017309182] (n = 3025) (mean = .1067768595041322)
Bin #23: (.1103600017309182,.1117400018095963] (n = 1564) (mean = .0978260869565217)
Bin #24: (.1117400018095963,.1131200018882744] (n = 3139) (mean = .0974832749283211)
Bin #25: (.1131200018882744,.1145000019669525] (n = 1501) (mean = .1012658227848101)
Bin #26: (.1145000019669525,.1158800020456306] (n = 1620) (mean = .1203703703703704)
Bin #27: (.1158800020456306,.1172600021243087] (n = 3097) (mean = .1168873103002906)
Bin #28: (.1172600021243087,.1186400022029868] (n = 1550) (mean = .112258064516129)
Bin #29: (.1186400022029868,.1200200022816649] (n = 3135) (mean = .1129186602870813)
Bin #30: (.1200200022816649,.121400002360343] (n = 1666) (mean = .1002400960384154)
Bin #31: (.121400002360343,.1227800024390211] (n = 1584) (mean = .1212121212121212)
Bin #32: (.1227800024390211,.1241600025176992] (n = 3225) (mean = .1032558139534884)
Bin #33: (.1241600025176992,.1255400025963773] (n = 1589) (mean = .1107614852108244)
Bin #34: (.1255400025963773,.1269200026750554] (n = 1570) (mean = .1210191082802548)
Bin #35: (.1269200026750554,.1283000027537335] (n = 3210) (mean = .1087227414330218)
Bin #36: (.1283000027537335,.1296800028324116] (n = 1582) (mean = .1201011378002528)
Bin #37: (.1296800028324116,.1310600029110897] (n = 3170) (mean = .1066246056782334)
Bin #38: (.1310600029110897,.1324400029897678] (n = 1639) (mean = .1086028065893838)
Bin #39: (.1324400029897678,.1338200030684459] (n = 1604) (mean = .1066084788029925)
Bin #40: (.1338200030684459,.135200003147124] (n = 3268) (mean = .1193390452876377)
Bin #41: (.135200003147124,.1365800032258021] (n = 1637) (mean = .1148442272449603)
Bin #42: (.1365800032258021,.1379600033044802] (n = 1665) (mean = .1063063063063063)
Bin #43: (.1379600033044802,.1393400033831583] (n = 3161) (mean = .1142043657070547)
Bin #44: (.1393400033831583,.1407200034618364] (n = 1656) (mean = .126207729468599)
Bin #45: (.1407200034618364,.1421000035405145] (n = 3232) (mean = .1194306930693069)
Bin #46: (.1421000035405145,.1434800036191926] (n = 1567) (mean = .1174218251435865)
Bin #47: (.1434800036191926,.1448600036978707] (n = 1609) (mean = .1180857675574891)
Bin #48: (.1448600036978707,.1462400037765488] (n = 3077) (mean = .1095222619434514)
Bin #49: (.1462400037765488,.1476200038552269] (n = 1594) (mean = .1066499372647428)
Bin #50: (.1476200038552269,.1490000039339066] (n = 3272) (mean = .1271393643031785)

48 .
49 .
50 . ---
    - is not a valid command name
    r(199);

end of do-file

r(199);

51 . log close
      name: <unnamed>
      log: /Users/justinkao/Desktop/The University of Texas at Austin/Causal Inference/Replication 1/Github/Do/RDD-LOG.smcl
      log type: smcl
      closed on: 5 Mar 2021, 20:21:10

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