**Raw results for Black vs. Non-Black:**

**T-Test:**

Two-sample t test with equal variances

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

Group | Obs Mean Std. err. Std. dev. [95% conf. interval]

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

0 | 14,559 .0877808 .0023453 .2829855 .0831837 .0923778

Black | 8,111 .1133029 .0035196 .3169823 .1064035 .1202023

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

Combined | 22,670 .0969122 .0019649 .2958447 .0930609 .1007635

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

diff | -.0255222 .0040957 -.03355 -.0174944

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

diff = mean(0) - mean(Black) t = -6.2315

H0: diff = 0 Degrees of freedom = 22668

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0

Pr(T < t) = 0.0000 Pr(|T| > |t|) = 0.0000 Pr(T > t) = 1.0000

Logistic Regression:

Iteration 0: log likelihood = -14783.866

Iteration 1: log likelihood = -14764.873

Iteration 2: log likelihood = -14764.855

Iteration 3: log likelihood = -14764.855

Logistic regression Number of obs = 22,670

LR chi2(1) = 38.02

Prob > chi2 = 0.0000

Log likelihood = -14764.855 Pseudo R2 = 0.0013

b\_other Odds ratio Std. err. z P>z [95% conf. interval]

time 1.327901 .0606336 6.21 0.000 1.214224 1.452221

\_cons .5415255 .0079281 -41.90 0.000 .5262075 .5572894

Note: \_cons estimates baseline odds.

**Raw results for Black vs. White:**

T-Test:

Two-sample t test with equal variances

Group Obs Mean Std. err. Std. dev. [95% conf. interval]

White 4,325 .0904046 .0043609 .2867937 .081855 .0989542

Black 8,111 .1133029 .0035196 .3169823 .1064035 .1202023

Combined 12,436 .1053393 .002753 .3070025 .0999431 .1107356

diff -.0228983 .0057769 -.0342219 -.0115747

diff = mean(White) - mean(Black) t = -3.9638

H0: diff = 0 Degrees of freedom = 12434

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0

Pr(T < t) = 0.0000 Pr(T > t) = 0.0001 Pr(T > t) = 1.0000

Logistic Regression:

Iteration 0: log likelihood = -4186.6883

Iteration 1: log likelihood = -4178.6939

Iteration 2: log likelihood = -4178.6695

Iteration 3: log likelihood = -4178.6695

Logistic regression Number of obs = 12,436

LR chi2(1) = 16.04

Prob > chi2 = 0.0001

Log likelihood = -4178.6695 Pseudo R2 = 0.0019

time Odds ratio Std. err. z P>z [95% conf. interval]

bw 1.285652 .0817064 3.95 0.000 1.135083 1.456195

\_cons .0993899 .0052702 -43.54 0.000 .0895791 .1102753

Note: \_cons estimates baseline odds.

Blacks are 33% more likely to be arrested for cannabis related offenses post-legalization (2016) than other races and 29% more likely to be arrested for cannabis related offenses post-legalization than Whites.