HYPOTHESIS 2: DACs have lower eigenvector centrality than non-disadvantaged communities

```
# t text for eigenvector centrality
eig_t <- t.test(all_place_nodes$eig_std ~ all_place_nodes$DAC); eig_t
```

```
Welch Two Sample t-test
```

data: all_place_nodes$eig_std by all_place_nodes$DAC t = 2.1033, df = 448.6, p-value = 0.036 alternative hypothesis: true difference in means between group 0 and group 1 is not equal to 0 95 percent confidence interval: 0.01166402 0.34390872 sample estimates: mean in group 0 mean in group 1 0.09046374 -0.08732263

```
lead_t <- t.test(all_place_nodes$leader_std ~ all_place_nodes$DAC); lead_t
```

```
Welch Two Sample t-test
```

data: all_place_nodes$leader_std by all_place_nodes$DAC t = 2.7097, df = 555.47, p-value = 0.006942 alternative hypothesis: true difference in means between group 0 and group 1 is not equal to 0 95 percent confidence interval: 0.06242845 0.39140426 sample estimates: mean in group 0 mean in group 1 0.1154627 -0.1114536

HYPOTHESIS 3: DACs have lower leader closeness than non-disadvantaged communities

```
eig_mod <- lm(eig_std ~ MHI_std+
                  POP_std+
                  incorporated+
                  per_latino+
                  admin+
                  basin_plan+
                  sust_criteria+
                  monitoring_networks+
                  projects_mgmt_actions,
              data = all_place_nodes)

eig_mod_simp <- lm(eig_std ~ MHI_std, data = all_place_nodes)

lead_mod <- lm(leader_std ~ MHI_std+
                  POP_std+
                  incorporated+
                  per_latino+
                  admin+
                  basin_plan+
                  sust_criteria+
                  monitoring_networks+
                  projects_mgmt_actions,
              data = all_place_nodes)

lead_mod_simp <- lm(leader_std ~ MHI_std, data = all_place_nodes)

stargazer(eig_mod, eig_mod_simp, lead_mod, lead_mod_simp, type='latex')
```

% Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac at

gmail.com % Date and time: Mon, May 20, 2024 - 10:45:19

Table 1:

	Dependent variable:			
	eig_std		leader_std	
	(1)	(2)	(3)	(4)
MHI_std	0.026**	0.026*	0.012	0.030**
	(0.012)	(0.015)	(0.016)	(0.014)
POP_std	−0.212		−0.144	
	(0.163)		(0.217)	
incorporated	0.045		0.243***	
	(0.069)		(0.091)	
per_latino	0.002*		−0.003*	
	(0.001)		(0.002)	
admin	0.045***		0.010	
	(0.007)		(0.009)	
basin_plan	0.088***		0.053***	
	(0.013)		(0.017)	
sust_criteria	0.011		0.020	
	(0.027)		(0.036)	
monitoring_networks	0.046		−0.087**	
	(0.032)		(0.042)	
projects_mgmt_actions	0.076**		−0.010	
	(0.033)		(0.044)	
Constant	−0.585***	−0.168	−0.108	−0.187*
	(0.133)	(0.111)	(0.176)	(0.108)
Observations	519	519	519	519
R^2	0.501	0.006	0.080	0.009
Adjusted R^2	0.493	0.004	0.063	0.007
Residual Std. Error	0.724 (df = 509)	1.015 (df = 517)	0.961 (df = 509)	0.990 (df = 517)
F Statistic	56.894*** (df = 9; 509)	3.070* (df = 1; 517)	4.898*** (df = 9; 509)	4.457** (df = 1; 51
Note:				*p<0.1; **p<0.05; ***p<0.0