

# Association between gun legislation and respective mortality rates across 50 states in 2020

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## 1 Results

### 1.1 Linear Regression Model 1

Table 1:	
	<i>Dependent variable:</i>
	GunDeathsPerCapita
GunLawRanking	0.312*** (0.042)
Constant	7.207*** (1.217)
Observations	50
R <sup>2</sup>	0.538
Adjusted R <sup>2</sup>	0.529
Residual Std. Error	4.233 (df = 48)
F Statistic	55.994*** (df = 1; 48)
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01

### 1.2 Linear Regression Model 2 (with control variables)

Table 2:

	<i>Dependent variable:</i>
	GunDeathsPerCapita
GunLawRanking	0.213*** (0.054)
EthanolConsumptionPerCapita	0.580 (1.026)
OpioidPrescriptionsPerCapita	0.050 (0.049)
AffordableHousingShortage	−0.00000 (0.00000)
SpendingPerStudent	−0.00005 (0.0002)
ViolentCrimeRate	0.002 (0.003)
PercentageAA	0.200*** (0.062)
GDPPerCapita	−0.0002* (0.0001)
Constant	15.479** (6.263)
Observations	50
R <sup>2</sup>	0.733
Adjusted R <sup>2</sup>	0.681
Residual Std. Error	3.484 (df = 41)
F Statistic	14.066*** (df = 8; 41)
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01