

# Turnout Calculations

```
reg16_elpaso <- reg16 %>%  
  filter(COUNTY == "El Paso")  
  
hist16_elpaso <- hist16 %>%  
  filter(COUNTY_NAME == "El Paso")  
  
#Number of voters that are not in the registration file in general  
sum(!(unique(hist16_elpaso$VOTER_ID) %in% reg16_elpaso$VOTER_ID))  
  
## [1] 38574  
  
#Remove them from the history file  
hist16_elpaso <- hist16_elpaso[(hist16_elpaso$VOTER_ID %in% reg16_elpaso$VOTER_ID),]  
  
#Filter for one specific election  
hist16_elpaso_general <- hist16_elpaso %>%  
  filter(ELECTION_DATE == as.Date("2016-11-08"))  
  
reg16_elpaso_general <- reg16_elpaso %>%  
  filter(REGISTRATION_DATE <= as.Date("2016-11-08") - 22)  
  
t16gen <- signif(nrow(hist16_elpaso_general)/nrow(reg16_elpaso_general), 3)
```

Based on Colorado SoS reports, there were 457,329 registered voters for the general of 2016 in El Paso. My results show 443890. These two numbers are approximately equal.

The total number of voters is reported as 327,649. Based on my data, I have 326955.

My calculation is the following 0.737, which is close to the reported 71.64%.