STATS 32: Summary statistics for 2016 Elections Data

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Note: There are often multiple ways to answer each question.

- 1. Make a new data frame, state_df, that contains votes data at the state level. This new data frame should have 4 columns:
 - a. state abbr: State abbreviation.
 - b. votes dem: Number of votes for Democratic party.
 - c. votes gop: Number of votes for Republican party.
 - d. total votes: Number of votes in total.

(Hint: Use group_by and summarize.)

- 2. Add 2 new columns to state df:
 - a. diff: votes gop votes dem
 - b. percent diff:diff / total votes
- 3. What are the top 3 states that voted most Republican (by percentage)?
- 4. What are the top 3 states that voted most Democratic (by percentage)?
- 5. Which states had the smallest margin of victory (by percentage)?