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4.8 Assignment 2

4.8 Assignment: Data Visualization 2

Note: Complete 4i Assignment: Data Visualization 1 prior to completing the exercise below.

Create another column/variable in the H column containing the proportional difference between Democrat and Republican votes in each election. This is equal to the difference between the votes divided by the total votes for both parties. This number can be multiplied by 100 to give a percentage. HINT: for row 2 (1940) this can be done using the following formula in the google spreadsheet:

`=100* ((B2-C2) / (B2+C2))`

Highlight H2:H20 and click 'insert-Chart'. Select the bottom right recommend option (it should look like the below image) and click 'insert'. This chart shows the proportion of Republican to Democratic votes (x-axis) by election (y-axis – earliest at top).

Answer the questions below.

Multiple Choice

0.0/1.0 point (graded)

Which year had the highest proportion of Republican votes to all

votes cast?

☐ 1964

☐ 1972

☐ 1980

☐ 1984

Submit

You have used 0 of 1 attempt

Multiple Choice

0.0/1.0 point (graded)

What is the maximum number of elections in a row that vote share has gone increasingly towards Democrats?

☐ 2

☐ 3

☐ 4

☐ 5

Submit

You have used 0 of 1 attempt

Multiple Choice

0.0/1.0 point (graded)

What is the maximum number of elections in a row that vote share has gone increasingly towards Republicans?

☐ 2

☐ 3

☐ 4

☐ 5

Submit

You have used 0 of 1 attempt

Multiple Choice

0.0/1.0 point (graded)

What modifications to this chart could be made to make it more visually effective?

☐ Add Year labels onto the y-axis.

☐ Change x-axis orientation so increased Republican share was to the right not left.

☐ Color bars by which party had greater vote share.

☐ All the above.

Submit

You have used 0 of 1 attempt

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