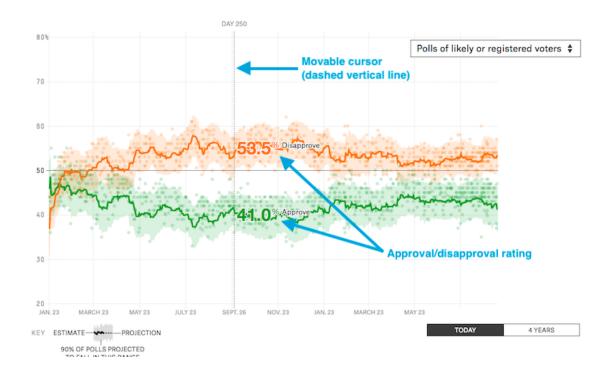
Problem 14: Scraping data from "FiveThirtyEight"

There are a ton of fun interactive visualizations at the website, FiveThirtyEight. For example, consider the one that tracks the US President's approval ratings:

https://projects.fivethirtyeight.com/trump-approval-ratings/

Here is a screenshot of the interactive graph it contains:



In it, you can select each day ("movable cursor") and get information about the approval ratings for that day.

As it turns out, this visualization is implemented in JavaScript and all of the individual data items are embedded within the web page itself. For example, here is a 132-page PDF file, which is the source code for the web page taken on September 6, 2018: PDF file. The raw data being rendered in the visualization starts on page 50.

Of course, that means you can use your Python-fu to try to extract this data for your own purposes! Indeed, that is your task for this problem.

Although the data in this problem comes from an HTML file with embedded JavaScript, you do **not** need to know anything about HTML or JavaScript to solve this problem. It is purely an exercise of rudimentary Python and computational problem solving.

Reading the raw HTML file

Let's read the raw contents of the FiveThirtyEight approval ratings page (i.e., the same contents as the PDF) into a variable named raw_html .

Like the groceries problem in Notebook 2, this cell contains a bunch of code for getting the data file you need, which you can ignore.

```
In [ ]: def download(url, local_file, overwrite=False):
            import os, requests
            if not os.path.exists(local_file) or overwrite:
                print("Downloading: {} ...".format(url))
                r = requests.get(url)
                with open(local_file, 'wb') as f:
                    f.write(r.content)
                return True
            return False # File existed already
        def get checksum(local file):
            import io, hashlib
            with io.open(local_file, 'rb') as f:
                body = f.read()
                body_checksum = hashlib.md5(body).hexdigest()
                return body_checksum
        def download_or_load_locally(file, local_dir="", url_base=None, checksum=None):
            if url_base is None: url_base = "https://cse6040.gatech.edu/datasets/"
            local_file = "{}{}".format(local_dir, file)
            remote_url = "{}{}".format(url_base, file)
            download(remote_url, local_file)
            if checksum is not None:
                body_checksum = get_checksum(local_file)
                assert body_checksum == checksum, \
                    "Downloaded file '{}' has incorrect checksum: '{}' instead of '{}'".for
            print("'{}' is ready!".format(file))
        def on_vocareum():
            import os
            return os.path.exists('.voc')
        if on_vocareum():
            URL BASE = None
            DATA_PATH = "./resource/asnlib/publicdata/538-djt-pop/"
            URL BASE = "https://cse6040.gatech.edu/datasets/538-djt-pop/"
            DATA_PATH = ""
        datasets = {'2018-09-06.html': '291a7c1cbf15575a48b0be8d77b7a1d6'}
        for filename, checksum in datasets.items():
            download_or_load_locally(filename, url_base=URL_BASE, local_dir=DATA_PATH, chec
```

(All data appears to be ready.)

```
with open('{}{}'.format(DATA_PATH, '2018-09-06.html')) as fp:
    raw_html = fp.read()
print("\n(All data appears to be ready.)")
'2018-09-06.html' is ready!
```

File snippets. Run the following code cell. It takes the raw_html string and prints the substring just around the start of the raw data you'll need, i.e., starting at page 50 of the PDF:

```
In [ ]: sample_offset, sample_len = 69950, 1500
        print(raw_html[sample_offset:sample_offset+sample_len])
       Page = {};
       interactivePage.navSlug = 'approval';
       var pathPrefix="/trump-approval-ratings/";
       var subgroup="All polls";
       var showMoreCutoff=5;
       var approval=[{"date":"2017-01-23","future":false,"subgroup":"All polls","approve_es
       timate": "45.46693", "approve_hi": "50.88971", "approve_lo": "40.04416", "disapprove_estim
       ate":"41.26452", "disapprove_hi":"46.68729", "disapprove_lo":"35.84175"}, {"date":"2017
       -01-24", "future": false, "subgroup": "All polls", "approve_estimate": "45.44264", "approve
       _hi":"50.82922","approve_lo":"40.05606","disapprove_estimate":"41.87849","disapprove
       _hi":"47.26508","disapprove_lo":"36.49191"},{"date":"2017-01-25","future":false,"sub
       group":"All polls","approve_estimate":"47.76497","approve_hi":"52.66397","approve_l
       o":"42.86596", "disapprove_estimate":"42.52911", "disapprove_hi":"47.42811", "disapprov
       e_lo":"37.63011"},{"date":"2017-01-26","future":false,"subgroup":"All polls","approv
       e_estimate":"44.37598","approve_hi":"48.93261","approve_lo":"39.81936","disapprove_e
       stimate":"41.06081","disapprove_hi":"45.61743","disapprove_lo":"36.50418"},{"dat
       e":"2017-01-27", "future":false, "subgroup": "All polls", "approve_estimate": "44.1358
       6", "approve_hi": "48.70494", "approve_lo": "39.56679", "disapprove_estimate": "41.6726
       8", "disapprove_hi": "46.24175", "disapprove_lo": "37.1036"}, { "date": "2017-01-28", "futur
       e":false, "subgroup": "All polls", "approve_estimate": "43.87527", "approve_hi": "48.4682
       1", "approve_lo": "39.28233", "disapprove_estimate": "41.91362", "disapprove_hi": "46.5065
       6", "disapprove_lo": "37.32067
```

Run the following code cell to see the end of the raw data region.

```
In [ ]: sample_end = 257500
print(raw_html[sample_end:sample_end+sample_len])
```

```
s", "approve_estimate": "41.46994", "approve_hi": "53.69857", "approve_lo": "29.24131", "di
sapprove_estimate":"51.94407","disapprove_hi":"63.94288","disapprove_lo":"39.9452
6"},{"date":"2019-05-10","future":true,"subgroup":"All polls","approve estimate":"4
1.47093", "approve_hi": "53.72246", "approve_lo": "29.2194", "disapprove_estimate": "51.94
225", "disapprove_hi": "63.96438", "disapprove_lo": "39.92012"}, {"date": "2019-05-11", "fu
ture":true, "subgroup": "All polls", "approve_estimate": "41.4719", "approve_hi": "53.7463
3","approve_lo":"29.19748","disapprove_estimate":"51.94044","disapprove_hi":"63.9858
9", "disapprove_lo": "39.895"}, {"date": "2019-05-12", "future": true, "subgroup": "All poll
s", "approve estimate": "41.47285", "approve hi": "53.77016", "approve lo": "29.17555", "di
sapprove_estimate":"51.93866","disapprove_hi":"64.0074","disapprove_lo":"39.86993"},
{"date":"2019-05-13","future":true,"subgroup":"All polls","approve_estimate":"41.473
78", "approve_hi": "53.79396", "approve_lo": "29.15361", "disapprove_estimate": "51.936
9", "disapprove_hi": "64.02892", "disapprove_lo": "39.84487"}, { "date": "2019-05-14", "futu
re":true, "subgroup": "All polls", "approve_estimate": "41.47469", "approve_hi": "53.8177
3", "approve_lo": "29.13165", "disapprove_estimate": "51.93515", "disapprove_hi": "64.0504
5","disapprove_lo":"39.81984"}];
  </script>
  <div class="container">
   <div id="footer">
    <div class="notes">
      When the dates of tracking polls from the same pollster overlap, only the most
recent version is shown.
```

Please make the following observations about the file snippets shown above:

- The raw data of approval ratings begins with the text, 'var approval=[' and ends with a closing square bracket, ']'. No other square brackets appear between these two.
- Each "data point" or "data record" is encoded in JavaScript Object Notation (JSON), which is essentially the same as a Python dictionary. That is, it is enclosed in curly brackets, {...} and contains a number of key-value pairs. These include the date ("date":"yyyy-mm-dd"), approval and disapproval rating estimates ("approve_estimate":"45.46693" and "disapprove_estimate":"41.26452"), as well as upper and lower error bounds ("..._hi" and "..._lo"). The estimates correspond to the green (approval) and orange (disapproval) lines, and the error bounds form the shaded regions around those lines.
- Each data record includes a key named "future". That's because FiveThirtyEight has projected the ratings into the future, so some records correspond to observed values ("future":false) while others correspond to extrapolated values ("future":true).

In addition, for the exercises below, you may assume the data records are encoded in the same way, e.g., the fields appear in the same order and there are no variations in punctuation or whitespace from what you see in the above snippets.

Your task: Extracting the approval ratings

Exercise 0 (1 point). Recall that the data begins with 'var approval=[...' and ends with a closing square bracket, ']'. Complete the function, extract_approval_raw(html), below. The input variable, html, is a string corresponding to the raw HTML file. Your function should return the substring beginning immediately **after** the opening square bracket and up to, but **excluding**, the last square bracket. It should return exactly that substring from the file, and should not otherwise modify it.

While you don't have to use regular expressions for this problem, if you wish to, observe that the cell below imports the re module.

```
import re

def extract_approval_raw(html):
    assert isinstance(html, str), "`html` is not a string."
    pattern = r"var approval=\[(.*?)\]"
    return re.findall(pattern, html)[0]

raw_data = extract_approval_raw(raw_html)
# print("type(raw_data) == {} (should be a string!)\n".format(type(raw_data)))
# print("=== First and Last 300 characters ===\n{}\n ... \n{}".format(raw_data[raw_data]))
```

Out[]: '{"date":"2017-01-23","future":false,"subgroup":"All polls","approve_estimate":"4 5.46693", "approve_hi": "50.88971", "approve_lo": "40.04416", "disapprove_estimate": "4 1.26452", "disapprove_hi": "46.68729", "disapprove_lo": "35.84175"}, {"date": "2017-01-2 4", "future": false, "subgroup": "All polls", "approve_estimate": "45.44264", "approve_h i":"50.82922","approve_lo":"40.05606","disapprove_estimate":"41.87849","disapprove _hi":"47.26508","disapprove_lo":"36.49191"},{"date":"2017-01-25","future":false,"s ubgroup": "All polls", "approve_estimate": "47.76497", "approve_hi": "52.66397", "approv e_lo":"42.86596","disapprove_estimate":"42.52911","disapprove_hi":"47.42811","disa pprove_lo":"37.63011"},{"date":"2017-01-26","future":false,"subgroup":"All poll s", "approve_estimate": "44.37598", "approve_hi": "48.93261", "approve_lo": "39.8193 6", "disapprove_estimate": "41.06081", "disapprove_hi": "45.61743", "disapprove_lo": "3 6.50418"},{"date":"2017-01-27","future":false,"subgroup":"All polls","approve_esti mate":"44.13586", "approve_hi":"48.70494", "approve_lo":"39.56679", "disapprove_estim ate":"41.67268", "disapprove_hi":"46.24175", "disapprove_lo":"37.1036"}, {"date":"201 7-01-28", "future": false, "subgroup": "All polls", "approve_estimate": "43.87527", "appr ove_hi": "48.46821", "approve_lo": "39.28233", "disapprove_estimate": "41.91362", "disap prove_hi":"46.50656","disapprove_lo":"37.32067"},{"date":"2017-01-29","future":fal se, "subgroup": "All polls", "approve_estimate": "44.14589", "approve_hi": "48.72661", "a pprove lo": "39.56517", "disapprove estimate": "42.2247", "disapprove hi": "46.8054 2", "disapprove_lo": "37.64399"}, { "date": "2017-01-30", "future": false, "subgroup": "All polls", "approve_estimate": "44.09903", "approve_hi": "48.69541", "approve_lo": "39.5026 6", "disapprove_estimate": "42.45613", "disapprove_hi": "47.05251", "disapprove_lo": "3 7.85976"},{"date":"2017-01-31","future":false,"subgroup":"All polls","approve_esti mate":"44.34048","approve_hi":"48.89616","approve_lo":"39.78481","disapprove_estim ate":"43.45351","disapprove_hi":"48.00919","disapprove_lo":"38.89784"},{"date":"20 17-02-01", "future": false, "subgroup": "All polls", "approve_estimate": "44.79341", "app rove_hi":"49.32774","approve_lo":"40.25908","disapprove_estimate":"44.69287","disa pprove_hi":"49.2272","disapprove_lo":"40.15854"},{"date":"2017-02-02","future":fal se, "subgroup": "All polls", "approve_estimate": "44.81124", "approve_hi": "49.33113", "a pprove_lo":"40.29136","disapprove_estimate":"44.79839","disapprove_hi":"49.3182 7", "disapprove_lo": "40.27851"}, { "date": "2017-02-03", "future": false, "subgroup": "All polls", "approve_estimate": "44.21341", "approve_hi": "48.61607", "approve_lo": "39.8107 4", "disapprove_estimate": "47.06427", "disapprove_hi": "51.46694", "disapprove_lo": "4 2.66161"},{"date":"2017-02-04","future":false,"subgroup":"All polls","approve_esti mate":"44.23746", "approve_hi":"48.63475", "approve_lo":"39.84016", "disapprove_estim ate":"47.03533","disapprove_hi":"51.43262","disapprove_lo":"42.63803"},{"date":"20 17-02-05", "future": false, "subgroup": "All polls", "approve_estimate": "44.43742", "app rove_hi":"48.81641","approve_lo":"40.05843","disapprove_estimate":"47.4848","disap prove_hi":"51.86378","disapprove_lo":"43.10581"},{"date":"2017-02-06","future":fal se, "subgroup": "All polls", "approve_estimate": "44.42256", "approve_hi": "48.81194", "a pprove_lo":"40.03319","disapprove_estimate":"48.03367","disapprove_hi":"52.4230 5", "disapprove_lo": "43.6443"}, {"date": "2017-02-07", "future": false, "subgroup": "All polls", "approve_estimate": "44.65995", "approve_hi": "49.03472", "approve_lo": "40.2851 8", "disapprove_estimate": "48.71205", "disapprove_hi": "53.08682", "disapprove_lo": "4 4.33728"},{"date":"2017-02-08","future":false,"subgroup":"All polls","approve_esti mate":"44.50491", "approve_hi":"48.843", "approve_lo":"40.16682", "disapprove_estimat e":"48.8634","disapprove_hi":"53.20149","disapprove_lo":"44.52531"},{"date":"2017-02-09", "future": false, "subgroup": "All polls", "approve_estimate": "44.34582", "approv e_hi":"48.72214","approve_lo":"39.96951","disapprove_estimate":"49.3256","disappro ve_hi":"53.70191","disapprove_lo":"44.94928"},{"date":"2017-02-10","future":fals e,"subgroup":"All polls","approve_estimate":"44.28156","approve_hi":"48.64907","ap prove_lo":"39.91405","disapprove_estimate":"49.35836","disapprove_hi":"53.7258 7", "disapprove_lo": "44.99086"}, { "date": "2017-02-11", "future": false, "subgroup": "All polls", "approve_estimate": "44.42348", "approve_hi": "48.84508", "approve_lo": "40.0018 9", "disapprove_estimate": "49.29364", "disapprove_hi": "53.71523", "disapprove_lo": "4 4.87204"},{"date":"2017-02-12","future":false,"subgroup":"All polls","approve_esti

mate":"44.30565", "approve_hi":"48.72142", "approve_lo":"39.88988", "disapprove_estim ate":"49.4447","disapprove_hi":"53.86047","disapprove_lo":"45.02893"},{"date":"201 7-02-13", "future": false, "subgroup": "All polls", "approve_estimate": "43.46242", "appr ove_hi": "47.85374", "approve_lo": "39.07109", "disapprove_estimate": "50.64742", "disap prove_hi": "55.09876", "disapprove_lo": "46.19608"}, { "date": "2017-02-14", "future": fal se, "subgroup": "All polls", "approve_estimate": "44.47177", "approve_hi": "49.01568", "a pprove_lo":"39.92786","disapprove_estimate":"50.36843","disapprove_hi":"55.041 8", "disapprove_lo": "45.69505"}, {"date": "2017-02-15", "future": false, "subgroup": "All polls", "approve estimate": "44.49281", "approve hi": "49.07682", "approve lo": "39.9088 1", "disapprove_estimate": "50.23329", "disapprove_hi": "54.94403", "disapprove_lo": "4 5.52256"},{"date":"2017-02-16","future":false,"subgroup":"All polls","approve_esti mate":"44.57693","approve_hi":"49.23923","approve_lo":"39.91463","disapprove_estim ate":"50.21927","disapprove_hi":"54.96953","disapprove_lo":"45.46901"},{"date":"20 17-02-17", "future": false, "subgroup": "All polls", "approve_estimate": "44.46416", "app rove_hi":"49.21023","approve_lo":"39.7181","disapprove_estimate":"50.34889","disap prove_hi":"55.15873","disapprove_lo":"45.53905"},{"date":"2017-02-18","future":fal se, "subgroup": "All polls", "approve_estimate": "44.31153", "approve_hi": "49.03962", "a pprove_lo":"39.58345","disapprove_estimate":"50.62162","disapprove_hi":"55.4916 1", "disapprove_lo": "45.75164"}, {"date": "2017-02-19", "future": false, "subgroup": "All polls", "approve_estimate": "44.10547", "approve_hi": "48.89841", "approve_lo": "39.3125 3", "disapprove_estimate": "50.62915", "disapprove_hi": "55.54121", "disapprove_lo": "4 5.7171"},{"date":"2017-02-20","future":false,"subgroup":"All polls","approve_estim ate":"43.83627", "approve_hi":"48.59529", "approve_lo":"39.07725", "disapprove_estima te":"50.03596", "disapprove_hi":"54.89173", "disapprove_lo":"45.18018"}, {"date":"201 7-02-21", "future": false, "subgroup": "All polls", "approve_estimate": "43.66503", "appr ove_hi":"48.39862","approve_lo":"38.93143","disapprove_estimate":"50.16118","disap prove_hi":"54.99011","disapprove_lo":"45.33226"},{"date":"2017-02-22","future":fal se, "subgroup": "All polls", "approve_estimate": "42.54541", "approve_hi": "47.43392", "a pprove_lo":"37.6569","disapprove_estimate":"50.79599","disapprove_hi":"55.6375 6", "disapprove_lo": "45.95441"}, {"date": "2017-02-23", "future": false, "subgroup": "All polls", "approve_estimate": "43.00062", "approve_hi": "47.7711", "approve_lo": "38.2301 3", "disapprove_estimate": "49.79304", "disapprove_hi": "54.51702", "disapprove_lo": "4 5.06906"},{"date":"2017-02-24","future":false,"subgroup":"All polls","approve_esti mate":"43.10133", "approve_hi":"47.88879", "approve_lo":"38.31387", "disapprove_estim ate":"49.82072","disapprove_hi":"54.53353","disapprove_lo":"45.10792"},{"date":"20 17-02-25", "future": false, "subgroup": "All polls", "approve_estimate": "42.99247", "app rove_hi":"47.80976","approve_lo":"38.17517","disapprove_estimate":"49.87163","disa pprove_hi":"54.60665","disapprove_lo":"45.1366"},{"date":"2017-02-26","future":fal se, "subgroup": "All polls", "approve_estimate": "42.94234", "approve_hi": "47.78183", "a pprove_lo":"38.10285","disapprove_estimate":"49.97172","disapprove_hi":"54.7350 1", "disapprove_lo": "45.20843" }, { "date": "2017-02-27", "future": false, "subgroup": "All polls", "approve_estimate": "42.97042", "approve_hi": "47.81451", "approve_lo": "38.1263 3", "disapprove_estimate": "50.10254", "disapprove_hi": "54.87105", "disapprove_lo": "4 5.33402"},{"date":"2017-02-28","future":false,"subgroup":"All polls","approve_esti mate":"42.93886", "approve_hi":"47.79404", "approve_lo":"38.08368", "disapprove_estim ate":"50.21992", "disapprove_hi":"55.00761", "disapprove_lo":"45.43224"}, {"date":"20 17-03-01", "future": false, "subgroup": "All polls", "approve_estimate": "43.75505", "app rove_hi":"48.47799","approve_lo":"39.03212","disapprove_estimate":"49.75748","disa pprove_hi":"54.34694","disapprove_lo":"45.16802"},{"date":"2017-03-02","future":fa lse, "subgroup": "All polls", "approve_estimate": "43.71027", "approve_hi": "48.4927 8", "approve_lo": "38.92776", "disapprove_estimate": "49.87239", "disapprove_hi": "54.40 887", "disapprove_lo": "45.33591"}, { "date": "2017-03-03", "future": false, "subgroup": "A 11 polls", "approve_estimate": "43.90226", "approve_hi": "48.6751", "approve_lo": "39.12 943", "disapprove_estimate": "49.85654", "disapprove_hi": "54.37281", "disapprove_l o":"45.34027"},{"date":"2017-03-04","future":false,"subgroup":"All polls","approve _estimate":"43.90226","approve_hi":"48.6751","approve_lo":"39.12943","disapprove_e

stimate":"49.85654","disapprove_hi":"54.37281","disapprove_lo":"45.34027"},{"dat e":"2017-03-05", "future":false, "subgroup": "All polls", "approve_estimate": "43.9369 3", "approve_hi": "48.76372", "approve_lo": "39.11013", "disapprove_estimate": "49.7262 3", "disapprove_hi": "54.27249", "disapprove_lo": "45.17998"}, { "date": "2017-03-06", "fu ture":false, "subgroup": "All polls", "approve_estimate": "44.08371", "approve_hi": "48. 69637", "approve_lo": "39.47105", "disapprove_estimate": "49.29635", "disapprove_hi": "5 3.78793","disapprove_lo":"44.80477"},{"date":"2017-03-07","future":false,"subgrou p":"All polls", "approve_estimate":"44.3455", "approve_hi":"48.87922", "approve_l o":"39.81178","disapprove_estimate":"48.89124","disapprove_hi":"53.46196","disappr ove_lo":"44.32052"},{"date":"2017-03-08","future":false,"subgroup":"All polls","ap prove_estimate":"44.33974","approve_hi":"48.90763","approve_lo":"39.77184","disapp rove_estimate":"49.15517","disapprove_hi":"53.72889","disapprove_lo":"44.58145"}, {"date":"2017-03-09","future":false,"subgroup":"All polls","approve_estimate":"44. 25294", "approve_hi": "48.83014", "approve_lo": "39.67575", "disapprove_estimate": "49.2 2272", "disapprove_hi": "53.79013", "disapprove_lo": "44.65532"}, { "date": "2017-03-1 0", "future": false, "subgroup": "All polls", "approve_estimate": "44.51029", "approve_h i":"49.12762", "approve_lo":"39.89296", "disapprove_estimate":"49.00035", "disapprove _hi":"53.60986","disapprove_lo":"44.39085"},{"date":"2017-03-11","future":false,"s ubgroup": "All polls", "approve_estimate": "44.6835", "approve_hi": "49.29448", "approve _lo":"40.07253","disapprove_estimate":"48.83847","disapprove_hi":"53.42355","disap prove_lo":"44.2534"},{"date":"2017-03-12","future":false,"subgroup":"All polls","a pprove_estimate":"44.76669","approve_hi":"49.39057","approve_lo":"40.14281","disap prove_estimate":"48.7696","disapprove_hi":"53.37308","disapprove_lo":"44.16611"}, {"date":"2017-03-13","future":false,"subgroup":"All polls","approve_estimate":"44. 53927", "approve_hi": "49.17732", "approve_lo": "39.90122", "disapprove_estimate": "48.9 5186", "disapprove_hi": "53.59417", "disapprove_lo": "44.30956"}, {"date": "2017-03-1 4", "future": false, "subgroup": "All polls", "approve_estimate": "44.29615", "approve_h i":"48.92532", "approve_lo":"39.66698", "disapprove_estimate":"49.32653", "disapprove _hi":"53.95638","disapprove_lo":"44.69668"},{"date":"2017-03-15","future":false,"s ubgroup": "All polls", "approve_estimate": "43.732", "approve_hi": "48.34158", "approve_ lo":"39.12242","disapprove_estimate":"49.82358","disapprove_hi":"54.37471","disapp rove_lo":"45.27245"},{"date":"2017-03-16","future":false,"subgroup":"All polls","a pprove_estimate":"43.59192","approve_hi":"48.14231","approve_lo":"39.04153","disap prove_estimate":"50.67634","disapprove_hi":"55.53901","disapprove_lo":"45.81367"}, {"date":"2017-03-17","future":false,"subgroup":"All polls","approve_estimate":"43. 36182", "approve_hi": "47.80959", "approve_lo": "38.91404", "disapprove_estimate": "50.8 023", "disapprove_hi": "55.57342", "disapprove_lo": "46.03117"}, { "date": "2017-03-1 8","future":false,"subgroup":"All polls","approve_estimate":"42.70947","approve_h i":"47.44154", "approve_lo":"37.97739", "disapprove_estimate":"51.48524", "disapprove _hi":"56.47866","disapprove_lo":"46.49182"},{"date":"2017-03-19","future":false,"s ubgroup": "All polls", "approve_estimate": "42.48279", "approve_hi": "47.31588", "approv e_lo":"37.6497","disapprove_estimate":"51.70201","disapprove_hi":"56.81096","disap prove_lo":"46.59307"},{"date":"2017-03-20","future":false,"subgroup":"All poll s", "approve_estimate": "42.56183", "approve_hi": "47.41304", "approve_lo": "37.7106 2","disapprove_estimate":"51.57077","disapprove_hi":"56.63733","disapprove_lo":"4 6.5042"},{"date":"2017-03-21","future":false,"subgroup":"All polls","approve_estim ate":"42.41769", "approve_hi":"47.27553", "approve_lo":"37.55984", "disapprove_estima te":"51.82015","disapprove_hi":"56.87549","disapprove_lo":"46.7648"},{"date":"2017 -03-22", "future": false, "subgroup": "All polls", "approve_estimate": "42.34076", "appro ve_hi":"47.29531","approve_lo":"37.38622","disapprove_estimate":"51.67672","disapp rove_hi":"56.76546","disapprove_lo":"46.58797"},{"date":"2017-03-23","future":fals e, "subgroup": "All polls", "approve_estimate": "42.28773", "approve_hi": "47.29216", "ap prove_lo":"37.28331","disapprove_estimate":"51.76073","disapprove_hi":"56.8862 9","disapprove_lo":"46.63516"},{"date":"2017-03-24","future":false,"subgroup":"All polls", "approve_estimate": "42.15625", "approve_hi": "47.20598", "approve_lo": "37.1065 3", "disapprove estimate": "52.08948", "disapprove hi": "57.51303", "disapprove lo": "4

6.66592"},{"date":"2017-03-25","future":false,"subgroup":"All polls","approve_esti mate":"42.14841", "approve_hi":"47.22449", "approve_lo":"37.07233", "disapprove_estim ate":"52.09206","disapprove_hi":"57.54439","disapprove_lo":"46.63973"},{"date":"20 17-03-26", "future": false, "subgroup": "All polls", "approve_estimate": "42.08798", "app rove_hi":"47.20525", "approve_lo":"36.97071", "disapprove_estimate":"52.08815", "disa pprove_hi":"57.57109","disapprove_lo":"46.60522"},{"date":"2017-03-27","future":fa lse, "subgroup": "All polls", "approve_estimate": "41.81089", "approve_hi": "47.0519 8", "approve_lo": "36.56979", "disapprove_estimate": "52.25573", "disapprove_hi": "57.78 765", "disapprove lo": "46.7238"}, {"date": "2017-03-28", "future": false, "subgroup": "Al 1 polls", "approve_estimate": "41.55795", "approve_hi": "46.62505", "approve_lo": "36.49 085", "disapprove_estimate": "52.38742", "disapprove_hi": "57.79079", "disapprove_1 o":"46.98404"},{"date":"2017-03-29","future":false,"subgroup":"All polls","approve _estimate":"41.20364","approve_hi":"46.0816","approve_lo":"36.32568","disapprove_e stimate":"52.53189","disapprove_hi":"57.80197","disapprove_lo":"47.26182"},{"dat e":"2017-03-30","future":false,"subgroup":"All polls","approve_estimate":"40.6361 8", "approve_hi": "45.51982", "approve_lo": "35.75254", "disapprove_estimate": "53.5563 9", "disapprove_hi": "59.13385", "disapprove_lo": "47.97892"}, {"date": "2017-03-31", "fu ture":false, "subgroup": "All polls", "approve_estimate": "40.48179", "approve_hi": "45. 32975", "approve_lo": "35.63383", "disapprove_estimate": "53.06938", "disapprove_hi": "5 8.63694", "disapprove_lo": "47.50181"}, { "date": "2017-04-01", "future": false, "subgrou p":"All polls", "approve_estimate":"40.54905", "approve_hi":"45.38779", "approve_l o":"35.7103","disapprove_estimate":"53.0927","disapprove_hi":"58.68511","disapprov e_lo":"47.50028"},{"date":"2017-04-02","future":false,"subgroup":"All polls","appr ove_estimate":"40.44848","approve_hi":"45.32938","approve_lo":"35.56758","disappro ve_estimate":"53.17198","disapprove_hi":"58.80313","disapprove_lo":"47.54082"},{"d ate":"2017-04-03", "future": false, "subgroup": "All polls", "approve_estimate": "39.847 83", "approve_hi": "44.92455", "approve_lo": "34.77111", "disapprove_estimate": "53.5914 6", "disapprove_hi": "59.18995", "disapprove_lo": "47.99298"}, {"date": "2017-04-04", "fu ture":false, "subgroup": "All polls", "approve_estimate": "40.01525", "approve_hi": "45. 26242", "approve_lo": "34.76808", "disapprove_estimate": "53.67127", "disapprove_hi": "5 9.05883", "disapprove_lo": "48.2837"}, { "date": "2017-04-05", "future": false, "subgrou p":"All polls", "approve_estimate":"40.66016", "approve_hi":"45.7916", "approve_l o":"35.52871","disapprove_estimate":"53.16607","disapprove_hi":"58.42831","disappr ove_lo":"47.90383"},{"date":"2017-04-06","future":false,"subgroup":"All polls","ap prove_estimate":"40.41075","approve_hi":"45.60198","approve_lo":"35.21951","disapp rove_estimate":"53.69882","disapprove_hi":"59.2783","disapprove_lo":"48.11934"}, {"date":"2017-04-07","future":false,"subgroup":"All polls","approve_estimate":"40. 38835", "approve_hi": "45.4526", "approve_lo": "35.32409", "disapprove_estimate": "53.89 001", "disapprove_hi": "59.34081", "disapprove_lo": "48.43921"}, { "date": "2017-04-0 8", "future": false, "subgroup": "All polls", "approve_estimate": "40.40128", "approve_h i":"45.47359", "approve_lo":"35.32896", "disapprove_estimate":"53.86125", "disapprove _hi":"59.32256","disapprove_lo":"48.39995"},{"date":"2017-04-09","future":false,"s ubgroup": "All polls", "approve_estimate": "40.41701", "approve_hi": "45.49614", "approv e_lo":"35.33789","disapprove_estimate":"53.82942","disapprove_hi":"59.29893","disa pprove_lo":"48.35992"},{"date":"2017-04-10","future":false,"subgroup":"All poll s", "approve_estimate": "40.87731", "approve_hi": "45.83553", "approve_lo": "35.9190 9", "disapprove_estimate": "53.21894", "disapprove_hi": "58.66856", "disapprove_lo": "4 7.76932"},{"date":"2017-04-11","future":false,"subgroup":"All polls","approve_esti mate":"41.51326", "approve_hi":"46.72686", "approve_lo":"36.29965", "disapprove_estim ate":"52.52065", "disapprove_hi":"58.12492", "disapprove_lo":"46.91638"}, { "date":"20 17-04-12", "future": false, "subgroup": "All polls", "approve_estimate": "41.64417", "app rove_hi":"46.87432","approve_lo":"36.41402","disapprove_estimate":"52.36113","disa pprove_hi":"57.88984","disapprove_lo":"46.83242"},{"date":"2017-04-13","future":fa lse, "subgroup": "All polls", "approve_estimate": "41.44421", "approve_hi": "46.7662 8","approve_lo":"36.12213","disapprove_estimate":"52.70598","disapprove_hi":"58.45 796", "disapprove lo": "46.95399" }, { "date": "2017-04-14", "future": false, "subgroup": "A

11 polls", "approve_estimate": "41.27088", "approve_hi": "46.42637", "approve_lo": "36.1 1538", "disapprove_estimate": "51.87616", "disapprove_hi": "57.45", "disapprove_lo": "4 6.30231"},{"date":"2017-04-15","future":false,"subgroup":"All polls","approve_esti mate":"41.23275", "approve_hi":"46.41501", "approve_lo":"36.0505", "disapprove_estima te":"51.88008", "disapprove_hi":"57.46936", "disapprove_lo":"46.2908"}, {"date":"2017 -04-16", "future": false, "subgroup": "All polls", "approve_estimate": "41.34031", "appro ve_hi":"46.52293","approve_lo":"36.1577","disapprove_estimate":"51.77214","disappr ove_hi":"57.3511","disapprove_lo":"46.19318"},{"date":"2017-04-17","future":fals e, "subgroup": "All polls", "approve estimate": "41.62966", "approve hi": "46.85859", "ap prove_lo":"36.40073","disapprove_estimate":"51.48813","disapprove_hi":"56.8920 3", "disapprove_lo": "46.08422"}, { "date": "2017-04-18", "future": false, "subgroup": "All polls", "approve_estimate": "41.70159", "approve_hi": "46.99654", "approve_lo": "36.4066 4", "disapprove_estimate": "51.38246", "disapprove_hi": "56.7924", "disapprove_lo": "45. 97252"},{"date":"2017-04-19","future":false,"subgroup":"All polls","approve_estima te":"41.92009", "approve_hi":"47.03592", "approve_lo":"36.80427", "disapprove_estimat e":"51.80953", "disapprove_hi":"56.86413", "disapprove_lo":"46.75493"}, {"date":"2017 -04-20", "future": false, "subgroup": "All polls", "approve_estimate": "42.02447", "appro ve_hi":"47.19346","approve_lo":"36.85548","disapprove_estimate":"52.04146","disapp rove_hi":"57.51389","disapprove_lo":"46.56903"},{"date":"2017-04-21","future":fals e, "subgroup": "All polls", "approve_estimate": "41.89439", "approve_hi": "47.02298", "ap prove_lo":"36.7658","disapprove_estimate":"52.33761","disapprove_hi":"57.71827","d isapprove_lo":"46.95695"},{"date":"2017-04-22","future":false,"subgroup":"All poll s","approve_estimate":"41.88213","approve_hi":"47.01614","approve_lo":"36.7481 2", "disapprove_estimate": "52.33886", "disapprove_hi": "57.71994", "disapprove_lo": "4 6.95778"},{"date":"2017-04-23","future":false,"subgroup":"All polls","approve_esti mate":"41.63386", "approve_hi":"46.54868", "approve_lo":"36.71904", "disapprove_estim ate":"52.87494","disapprove_hi":"57.99485","disapprove_lo":"47.75502"},{"date":"20 17-04-24", "future": false, "subgroup": "All polls", "approve_estimate": "41.76186", "app rove_hi":"46.79366","approve_lo":"36.73006","disapprove_estimate":"52.74255","disa pprove_hi":"57.86912","disapprove_lo":"47.61599"},{"date":"2017-04-25","future":fa lse, "subgroup": "All polls", "approve_estimate": "41.42433", "approve_hi": "46.1931 3", "approve_lo": "36.65553", "disapprove_estimate": "52.85545", "disapprove_hi": "57.87 822", "disapprove_lo": "47.83269"}, {"date": "2017-04-26", "future": false, "subgroup": "A 11 polls", "approve_estimate": "41.98724", "approve_hi": "46.71743", "approve_lo": "37.2 5704", "disapprove_estimate": "52.19347", "disapprove_hi": "57.10226", "disapprove_l o":"47.28468"},{"date":"2017-04-27","future":false,"subgroup":"All polls","approve _estimate":"42.1408","approve_hi":"46.77888","approve_lo":"37.50272","disapprove_e stimate":"52.32465","disapprove_hi":"57.1571","disapprove_lo":"47.4922"},{"dat e":"2017-04-28","future":false,"subgroup":"All polls","approve_estimate":"41.954 8", "approve_hi": "46.88246", "approve_lo": "37.02715", "disapprove_estimate": "52.6769 3", "disapprove_hi": "58.03936", "disapprove_lo": "47.31449"}, { "date": "2017-04-29", "fu ture":false, "subgroup": "All polls", "approve_estimate": "41.99678", "approve_hi": "46. 93359", "approve_lo": "37.05997", "disapprove_estimate": "52.56797", "disapprove_hi": "5 7.95444", "disapprove_lo": "47.1815"}, { "date": "2017-04-30", "future": false, "subgrou p":"All polls", "approve_estimate":"41.98776", "approve_hi":"46.93704", "approve_l o":"37.03849", "disapprove_estimate":"52.59581", "disapprove_hi":"57.99697", "disappr ove_lo":"47.19464"},{"date":"2017-05-01","future":false,"subgroup":"All polls","ap prove_estimate":"41.87309","approve_hi":"46.76357","approve_lo":"36.98261","disapp rove_estimate":"52.76786","disapprove_hi":"58.10855","disapprove_lo":"47.42718"}, {"date":"2017-05-02","future":false,"subgroup":"All polls","approve_estimate":"41. 99481", "approve_hi": "46.92556", "approve_lo": "37.06407", "disapprove_estimate": "52.6 5896", "disapprove_hi": "58.00486", "disapprove_lo": "47.31306"}, {"date": "2017-05-0 3", "future": false, "subgroup": "All polls", "approve_estimate": "42.38294", "approve_h i":"47.22184", "approve_lo":"37.54404", "disapprove_estimate":"51.87002", "disapprove _hi":"57.22107","disapprove_lo":"46.51897"},{"date":"2017-05-04","future":false,"s ubgroup": "All polls", "approve_estimate": "42.42966", "approve_hi": "47.21623", "approv

e_lo":"37.64309","disapprove_estimate":"51.85018","disapprove_hi":"57.14867","disa pprove_lo":"46.55169"},{"date":"2017-05-05","future":false,"subgroup":"All poll s", "approve_estimate": "42.33636", "approve_hi": "47.07829", "approve_lo": "37.5944 2", "disapprove_estimate": "51.93982", "disapprove_hi": "57.23312", "disapprove_lo": "4 6.64652"},{"date":"2017-05-06","future":false,"subgroup":"All polls","approve_esti mate":"42.17928", "approve_hi":"46.86745", "approve_lo":"37.49111", "disapprove_estim ate":"52.08133","disapprove_hi":"57.26179","disapprove_lo":"46.90088"},{"date":"20 17-05-07", "future": false, "subgroup": "All polls", "approve_estimate": "42.13611", "app rove hi":"46.83911", "approve lo":"37.43311", "disapprove estimate":"52.09691", "disa pprove_hi":"57.26974","disapprove_lo":"46.92409"},{"date":"2017-05-08","future":fa lse, "subgroup": "All polls", "approve_estimate": "42.16862", "approve_hi": "46.8099 9","approve_lo":"37.52726","disapprove_estimate":"52.08101","disapprove_hi":"57.21 143", "disapprove_lo": "46.95058"}, { "date": "2017-05-09", "future": false, "subgroup": "A 11 polls", "approve_estimate": "41.93328", "approve_hi": "46.63458", "approve_lo": "37.2 3199", "disapprove_estimate": "52.1669", "disapprove_hi": "57.1736", "disapprove_lo": "4 7.1602"},{"date":"2017-05-10","future":false,"subgroup":"All polls","approve_estim ate":"41.21492", "approve_hi":"46.01898", "approve_lo":"36.41087", "disapprove_estima te":"52.84939", "disapprove_hi":"57.7994", "disapprove_lo":"47.89938"}, {"date":"2017 -05-11", "future": false, "subgroup": "All polls", "approve_estimate": "41.15792", "appro ve_hi":"46.07581","approve_lo":"36.24004","disapprove_estimate":"52.87853","disapp rove_hi":"57.84761","disapprove_lo":"47.90946"},{"date":"2017-05-12","future":fals e, "subgroup": "All polls", "approve_estimate": "41.12946", "approve_hi": "45.89158", "ap prove_lo": "36.36733", "disapprove_estimate": "52.89473", "disapprove_hi": "57.9061 5", "disapprove_lo": "47.88332"}, {"date": "2017-05-13", "future": false, "subgroup": "All polls", "approve_estimate": "41.08303", "approve_hi": "45.8761", "approve_lo": "36.2899 7", "disapprove_estimate": "52.949", "disapprove_hi": "57.99341", "disapprove_lo": "47.9 0459"},{"date":"2017-05-14","future":false,"subgroup":"All polls","approve_estimat e":"40.63778", "approve_hi":"45.32814", "approve_lo":"35.94741", "disapprove_estimat e":"53.41823","disapprove_hi":"58.27899","disapprove_lo":"48.55746"},{"date":"2017 -05-15", "future": false, "subgroup": "All polls", "approve_estimate": "40.50564", "appro ve_hi":"45.21157","approve_lo":"35.79972","disapprove_estimate":"53.57767","disapp rove_hi":"58.48868","disapprove_lo":"48.66667"},{"date":"2017-05-16","future":fals e, "subgroup": "All polls", "approve_estimate": "39.90671", "approve_hi": "44.44628", "ap prove_lo":"35.36713","disapprove_estimate":"54.10234","disapprove_hi":"58.8557 2", "disapprove_lo": "49.34895"}, {"date": "2017-05-17", "future": false, "subgroup": "All polls", "approve_estimate": "39.6813", "approve_hi": "44.13726", "approve_lo": "35.2253 3", "disapprove_estimate": "54.27899", "disapprove_hi": "58.89919", "disapprove_lo": "4 9.65879"},{"date":"2017-05-18","future":false,"subgroup":"All polls","approve_esti mate": "39.45036", "approve_hi": "43.80222", "approve_lo": "35.09851", "disapprove_estim ate":"54.28648", "disapprove_hi":"58.69677", "disapprove_lo":"49.87619"}, {"date":"20 17-05-19", "future": false, "subgroup": "All polls", "approve_estimate": "38.86071", "app rove_hi":"43.13092","approve_lo":"34.5905","disapprove_estimate":"54.87609","disap prove_hi":"59.29292","disapprove_lo":"50.45927"},{"date":"2017-05-20","future":fal se, "subgroup": "All polls", "approve_estimate": "38.80148", "approve_hi": "43.10471", "a pprove_lo":"34.49825","disapprove_estimate":"54.87124","disapprove_hi":"59.2908 7", "disapprove_lo": "50.45161" }, { "date": "2017-05-21", "future": false, "subgroup": "All polls", "approve_estimate": "38.83015", "approve_hi": "43.12059", "approve_lo": "34.539 7", "disapprove_estimate": "54.86396", "disapprove_hi": "59.28749", "disapprove_lo": "5 0.44043"},{"date":"2017-05-22","future":false,"subgroup":"All polls","approve_esti mate":"38.78198", "approve_hi":"43.04203", "approve_lo":"34.52193", "disapprove_estim ate":"54.95404", "disapprove_hi":"59.31543", "disapprove_lo":"50.59264"}, {"date":"20 17-05-23", "future": false, "subgroup": "All polls", "approve_estimate": "39.14797", "app rove_hi":"43.61942","approve_lo":"34.67653","disapprove_estimate":"54.91948","disa pprove_hi":"59.17537","disapprove_lo":"50.66359"},{"date":"2017-05-24","future":fa lse, "subgroup": "All polls", "approve_estimate": "38.99393", "approve_hi": "43.5433 5", "approve_lo": "34.44452", "disapprove_estimate": "54.72712", "disapprove_hi": "58.86

196", "disapprove_lo": "50.59229"}, {"date": "2017-05-25", "future": false, "subgroup": "A ll polls", "approve_estimate": "39.05955", "approve_hi": "43.67546", "approve_lo": "34.4 4365", "disapprove_estimate": "54.67347", "disapprove_hi": "58.80458", "disapprove_l o":"50.54237"},{"date":"2017-05-26","future":false,"subgroup":"All polls","approve _estimate":"39.28042","approve_hi":"43.92625","approve_lo":"34.63459","disapprove_ estimate":"54.5595", "disapprove_hi":"58.65606", "disapprove_lo":"50.46295"}, {"dat e":"2017-05-27","future":false,"subgroup":"All polls","approve_estimate":"39.2772 9", "approve_hi": "43.88622", "approve_lo": "34.66835", "disapprove_estimate": "54.5721 1", "disapprove_hi": "58.6447", "disapprove_lo": "50.49953"}, { "date": "2017-05-28", "fut ure":false, "subgroup": "All polls", "approve_estimate": "39.3673", "approve_hi": "44.00 107", "approve_lo": "34.73354", "disapprove_estimate": "54.49165", "disapprove_hi": "58. 56404", "disapprove_lo": "50.41927"}, { "date": "2017-05-29", "future": false, "subgrou p":"All polls","approve_estimate":"39.3634","approve_hi":"43.96389","approve_1 o":"34.76291", "disapprove_estimate":"54.5243", "disapprove_hi":"58.57644", "disappro ve_lo":"50.47216"},{"date":"2017-05-30","future":false,"subgroup":"All polls","app rove_estimate":"39.21078","approve_hi":"43.55368","approve_lo":"34.86788","disappr ove_estimate":"54.80099","disapprove_hi":"58.70224","disapprove_lo":"50.89975"}, {"date":"2017-05-31","future":false,"subgroup":"All polls","approve_estimate":"39. 14719", "approve_hi": "43.51952", "approve_lo": "34.77485", "disapprove_estimate": "54.7 8027", "disapprove_hi": "58.85775", "disapprove_lo": "50.70278"}, {"date": "2017-06-0 1", "future": false, "subgroup": "All polls", "approve_estimate": "39.11364", "approve_h i":"43.47738", "approve_lo":"34.74991", "disapprove_estimate":"54.811", "disapprove_h i":"58.89351","disapprove_lo":"50.7285"},{"date":"2017-06-02","future":false,"subg roup":"All polls", "approve_estimate":"39.10624", "approve_hi":"43.46215", "approve_1 o":"34.75033","disapprove_estimate":"54.85807","disapprove_hi":"58.9391","disappro ve_lo":"50.77704"},{"date":"2017-06-03","future":false,"subgroup":"All polls","app rove_estimate":"38.9981","approve_hi":"43.42838","approve_lo":"34.56783","disappro ve_estimate":"54.95428","disapprove_hi":"59.09671","disapprove_lo":"50.81186"},{"d ate":"2017-06-04", "future":false, "subgroup": "All polls", "approve_estimate": "38.890 21", "approve_hi": "43.33281", "approve_lo": "34.44762", "disapprove_estimate": "55.103 7","disapprove_hi":"59.26466","disapprove_lo":"50.94274"},{"date":"2017-06-05","fu ture":false, "subgroup": "All polls", "approve_estimate": "38.99826", "approve_hi": "43. 55975", "approve_lo": "34.43677", "disapprove_estimate": "55.00614", "disapprove_hi": "5 9.14022", "disapprove_lo": "50.87205"}, { "date": "2017-06-06", "future": false, "subgrou p":"All polls", "approve_estimate": "38.60328", "approve_hi": "43.15037", "approve_1 o":"34.05618", "disapprove_estimate":"55.67593", "disapprove_hi":"59.98829", "disappr ove_lo":"51.36356"},{"date":"2017-06-07","future":false,"subgroup":"All polls","ap prove_estimate":"38.28024","approve_hi":"43.07074","approve_lo":"33.48973","disapp rove_estimate":"55.87093","disapprove_hi":"59.99118","disapprove_lo":"51.75068"}, {"date":"2017-06-08","future":false,"subgroup":"All polls","approve_estimate":"38. 24259", "approve_hi": "43.04533", "approve_lo": "33.43984", "disapprove_estimate": "55.7 7963", "disapprove_hi": "59.84056", "disapprove_lo": "51.7187"}, { "date": "2017-06-0 9", "future": false, "subgroup": "All polls", "approve_estimate": "38.04195", "approve_h i":"42.81776", "approve_lo":"33.26614", "disapprove_estimate":"55.96476", "disapprove _hi":"59.97122","disapprove_lo":"51.9583"},{"date":"2017-06-10","future":false,"su bgroup": "All polls", "approve_estimate": "38.12778", "approve_hi": "42.90308", "approve _lo":"33.35248","disapprove_estimate":"55.87754","disapprove_hi":"59.85918","disap prove_lo":"51.89591"},{"date":"2017-06-11","future":false,"subgroup":"All poll s", "approve_estimate": "38.09373", "approve_hi": "42.89088", "approve_lo": "33.2965 9", "disapprove_estimate": "55.9653", "disapprove_hi": "59.99905", "disapprove_lo": "51. 93155"},{"date":"2017-06-12","future":false,"subgroup":"All polls","approve_estima te":"38.29467", "approve_hi":"43.10337", "approve_lo":"33.48596", "disapprove_estimat e":"55.58596", "disapprove_hi":"59.77042", "disapprove_lo":"51.4015"}, {"date":"2017-06-13", "future": false, "subgroup": "All polls", "approve_estimate": "38.25534", "approv e_hi":"42.89152","approve_lo":"33.61917","disapprove_estimate":"55.78836","disappr ove_hi":"59.96687","disapprove_lo":"51.60986"},{"date":"2017-06-14","future":fals

e, "subgroup": "All polls", "approve_estimate": "38.3791", "approve_hi": "43.01754", "app rove_lo":"33.74066","disapprove_estimate":"55.65119","disapprove_hi":"59.86611","d isapprove_lo":"51.43627"},{"date":"2017-06-15","future":false,"subgroup":"All poll s", "approve_estimate": "38.38903", "approve_hi": "43.29962", "approve_lo": "33.4784 5", "disapprove_estimate": "55.9732", "disapprove_hi": "60.9323", "disapprove_lo": "51.0 141"},{"date":"2017-06-16","future":false,"subgroup":"All polls","approve_estimat e":"38.66948", "approve_hi":"43.59479", "approve_lo":"33.74418", "disapprove_estimat e":"55.51431","disapprove_hi":"60.41283","disapprove_lo":"50.61578"},{"date":"2017 -06-17", "future": false, "subgroup": "All polls", "approve_estimate": "38.7223", "approv e_hi":"43.65948","approve_lo":"33.78512","disapprove_estimate":"55.40695","disappr ove_hi":"60.3134","disapprove_lo":"50.50051"},{"date":"2017-06-18","future":fals e, "subgroup": "All polls", "approve_estimate": "38.73221", "approve_hi": "43.68423", "ap prove_lo":"33.78019","disapprove_estimate":"55.37252","disapprove_hi":"60.2960 1","disapprove_lo":"50.44904"},{"date":"2017-06-19","future":false,"subgroup":"All polls", "approve estimate": "38.71433", "approve hi": "43.69634", "approve lo": "33.7323 2", "disapprove_estimate": "55.33969", "disapprove_hi": "60.26365", "disapprove_lo": "5 0.41574"},{"date":"2017-06-20","future":false,"subgroup":"All polls","approve_esti mate":"38.62213", "approve_hi":"43.38256", "approve_lo":"33.8617", "disapprove_estima te":"55.34938", "disapprove_hi":"59.91515", "disapprove_lo":"50.78362"}, {"date":"201 7-06-21", "future": false, "subgroup": "All polls", "approve_estimate": "38.40358", "appr ove_hi": "43.05761", "approve_lo": "33.74956", "disapprove_estimate": "55.77647", "disap prove_hi":"60.63239","disapprove_lo":"50.92056"},{"date":"2017-06-22","future":fal se, "subgroup": "All polls", "approve_estimate": "38.74978", "approve_hi": "43.3579", "ap prove_lo":"34.14165","disapprove_estimate":"55.69723","disapprove_hi":"60.4215 4", "disapprove_lo": "50.97293"}, {"date": "2017-06-23", "future": false, "subgroup": "All polls", "approve_estimate": "39.77451", "approve_hi": "44.676", "approve_lo": "34.8730 3", "disapprove_estimate": "55.08252", "disapprove_hi": "59.65898", "disapprove_lo": "5 0.50606"},{"date":"2017-06-24","future":false,"subgroup":"All polls","approve_esti mate":"39.66325", "approve_hi":"44.57659", "approve_lo":"34.7499", "disapprove_estima te":"55.09979","disapprove_hi":"59.691","disapprove_lo":"50.50858"},{"date":"2017-06-25", "future": false, "subgroup": "All polls", "approve_estimate": "39.58413", "approv e_hi":"44.52223","approve_lo":"34.64603","disapprove_estimate":"55.20745","disappr ove_hi":"59.83112","disapprove_lo":"50.58379"},{"date":"2017-06-26","future":fals e, "subgroup": "All polls", "approve_estimate": "39.46778", "approve_hi": "44.43855", "ap prove_lo":"34.497","disapprove_estimate":"55.20918","disapprove_hi":"59.75242","di sapprove_lo":"50.66594"},{"date":"2017-06-27","future":false,"subgroup":"All poll s", "approve_estimate": "38.71787", "approve_hi": "43.81157", "approve_lo": "33.6241 7", "disapprove_estimate": "55.64397", "disapprove_hi": "60.16024", "disapprove_lo": "5 1.1277"},{"date":"2017-06-28","future":false,"subgroup":"All polls","approve_estim ate":"39.3798", "approve_hi":"44.38748", "approve_lo":"34.37212", "disapprove_estimat e":"54.28488", "disapprove_hi":"58.96166", "disapprove_lo":"49.6081"}, {"date":"2017-06-29", "future": false, "subgroup": "All polls", "approve_estimate": "39.93516", "approv e_hi":"44.7401","approve_lo":"35.13022","disapprove_estimate":"54.1336","disapprov e_hi":"58.62613","disapprove_lo":"49.64108"},{"date":"2017-06-30","future":fals e, "subgroup": "All polls", "approve_estimate": "39.60293", "approve_hi": "44.34719", "ap prove_lo":"34.85867","disapprove_estimate":"54.33164","disapprove_hi":"58.7602 6", "disapprove_lo": "49.90302"}, {"date": "2017-07-01", "future": false, "subgroup": "All polls", "approve_estimate": "39.58723", "approve_hi": "44.34394", "approve_lo": "34.8305 2", "disapprove_estimate": "54.34242", "disapprove_hi": "58.78121", "disapprove_lo": "4 9.90363"},{"date":"2017-07-02","future":false,"subgroup":"All polls","approve_esti mate":"39.51341", "approve_hi":"44.30066", "approve_lo":"34.72616", "disapprove_estim ate":"54.3523","disapprove_hi":"58.80197","disapprove_lo":"49.90263"},{"date":"201 7-07-03", "future": false, "subgroup": "All polls", "approve_estimate": "39.52999", "appr ove_hi":"44.26207","approve_lo":"34.79792","disapprove_estimate":"54.39137","disap prove_hi":"58.82858","disapprove_lo":"49.95415"},{"date":"2017-07-04","future":fal se, "subgroup": "All polls", "approve_estimate": "39.41248", "approve_hi": "44.19063", "a

pprove_lo":"34.63433","disapprove_estimate":"54.46843","disapprove_hi":"58.9366 3", "disapprove_lo": "50.00022"}, { "date": "2017-07-05", "future": false, "subgroup": "All polls", "approve_estimate": "39.03904", "approve_hi": "43.63164", "approve_lo": "34.4464 4", "disapprove_estimate": "54.90335", "disapprove_hi": "59.316", "disapprove_lo": "50.4 9069"},{"date":"2017-07-06","future":false,"subgroup":"All polls","approve_estimat e":"39.00697", "approve_hi":"43.60416", "approve_lo":"34.40978", "disapprove_estimat e":"54.95916", "disapprove_hi":"59.34011", "disapprove_lo":"50.57821"}, { "date":"2017 -07-07", "future": false, "subgroup": "All polls", "approve_estimate": "39.01347", "appro ve hi":"43.63103", "approve lo":"34.39591", "disapprove estimate":"55.12906", "disapp rove_hi":"59.4956","disapprove_lo":"50.76252"},{"date":"2017-07-08","future":fals e, "subgroup": "All polls", "approve_estimate": "39.03389", "approve_hi": "43.65359", "ap prove_lo":"34.41419","disapprove_estimate":"55.08215","disapprove_hi":"59.4430 3","disapprove_lo":"50.72127"},{"date":"2017-07-09","future":false,"subgroup":"All polls", "approve_estimate": "39.08517", "approve_hi": "43.70378", "approve_lo": "34.4665 6", "disapprove_estimate": "55.06653", "disapprove_hi": "59.43101", "disapprove_lo": "5 0.70205"},{"date":"2017-07-10","future":false,"subgroup":"All polls","approve_esti mate":"39.12117", "approve_hi":"43.77384", "approve_lo":"34.46849", "disapprove_estim ate":"55.04463", "disapprove_hi":"59.39623", "disapprove_lo":"50.69302"}, {"date":"20 17-07-11", "future": false, "subgroup": "All polls", "approve_estimate": "39.24297", "app rove_hi":"43.7589","approve_lo":"34.72705","disapprove_estimate":"55.10878","disap prove_hi":"59.33429","disapprove_lo":"50.88327"},{"date":"2017-07-12","future":fal se, "subgroup": "All polls", "approve_estimate": "39.29457", "approve_hi": "44.04103", "a pprove_lo":"34.54811","disapprove_estimate":"54.95346","disapprove_hi":"59.2711 7", "disapprove_lo": "50.63574"}, {"date": "2017-07-13", "future": false, "subgroup": "All polls", "approve_estimate": "39.25278", "approve_hi": "43.9978", "approve_lo": "34.5077 7", "disapprove_estimate": "55.00865", "disapprove_hi": "59.34611", "disapprove_lo": "5 0.67118"},{"date":"2017-07-14","future":false,"subgroup":"All polls","approve_esti mate": "39.14643", "approve_hi": "43.65331", "approve_lo": "34.63956", "disapprove_estim ate":"55.23926","disapprove_hi":"59.42607","disapprove_lo":"51.05245"},{"date":"20 17-07-15", "future": false, "subgroup": "All polls", "approve_estimate": "39.09839", "app rove_hi":"43.63673","approve_lo":"34.56005","disapprove_estimate":"55.3304","disap prove hi":"59.56072","disapprove_lo":"51.10008"},{"date":"2017-07-16","future":fal se, "subgroup": "All polls", "approve_estimate": "38.60715", "approve_hi": "43.2235", "ap prove_lo":"33.9908","disapprove_estimate":"55.70111","disapprove_hi":"59.92703","d isapprove_lo":"51.47519"},{"date":"2017-07-17","future":false,"subgroup":"All poll s", "approve_estimate": "38.81894", "approve_hi": "43.13393", "approve_lo": "34.5039 4", "disapprove_estimate": "55.38853", "disapprove_hi": "59.534", "disapprove_lo": "51.2 4305"},{"date":"2017-07-18","future":false,"subgroup":"All polls","approve_estimat e":"38.72128","approve_hi":"42.93108","approve_lo":"34.51148","disapprove_estimat e":"55.6564", "disapprove_hi":"59.73441", "disapprove_lo":"51.5784"}, {"date":"2017-0 7-19", "future": false, "subgroup": "All polls", "approve_estimate": "38.71251", "approve _hi":"42.81013","approve_lo":"34.61489","disapprove_estimate":"55.67002","disappro ve_hi":"59.71012","disapprove_lo":"51.62992"},{"date":"2017-07-20","future":fals e, "subgroup": "All polls", "approve_estimate": "38.6458", "approve_hi": "42.80268", "app rove_lo":"34.48891","disapprove_estimate":"55.76773","disapprove_hi":"59.86781","d isapprove_lo":"51.66766"},{"date":"2017-07-21","future":false,"subgroup":"All poll s", "approve_estimate": "38.3734", "approve_hi": "42.56104", "approve_lo": "34.18576", "d isapprove_estimate":"55.72233","disapprove_hi":"59.64466","disapprove_lo":"51.8"}, {"date":"2017-07-22", "future":false, "subgroup": "All polls", "approve_estimate": "38. 41841", "approve_hi": "42.60358", "approve_lo": "34.23324", "disapprove_estimate": "55.6 8146", "disapprove_hi": "59.60043", "disapprove_lo": "51.7625"}, {"date": "2017-07-2 3", "future": false, "subgroup": "All polls", "approve_estimate": "38.4932", "approve_h i":"42.67521", "approve_lo":"34.3112", "disapprove_estimate":"55.55575", "disapprove_ hi":"59.46841","disapprove_lo":"51.64308"},{"date":"2017-07-24","future":false,"su bgroup": "All polls", "approve_estimate": "39.05289", "approve_hi": "43.44463", "approve _lo":"34.66116","disapprove_estimate":"55.13695","disapprove_hi":"59.24187","disap

prove_lo":"51.03202"},{"date":"2017-07-25","future":false,"subgroup":"All poll s", "approve_estimate": "38.38955", "approve_hi": "42.97971", "approve_lo": "33.7993 9", "disapprove_estimate": "55.60064", "disapprove_hi": "59.89718", "disapprove_lo": "5 1.3041"},{"date":"2017-07-26","future":false,"subgroup":"All polls","approve_estim ate":"38.54961", "approve_hi":"43.06865", "approve_lo":"34.03057", "disapprove_estima te":"55.35145", "disapprove_hi":"59.71321", "disapprove_lo":"50.98969"}, {"date":"201 7-07-27", "future": false, "subgroup": "All polls", "approve_estimate": "38.54928", "appr ove_hi": "43.03683", "approve_lo": "34.06173", "disapprove_estimate": "55.34732", "disap prove hi":"59.72181", "disapprove lo":"50.97283"}, {"date":"2017-07-28", "future":fal se, "subgroup": "All polls", "approve_estimate": "38.35725", "approve_hi": "42.68003", "a pprove_lo":"34.03447","disapprove_estimate":"55.68452","disapprove_hi":"60.1013 1", "disapprove_lo": "51.26774"}, {"date": "2017-07-29", "future": false, "subgroup": "All polls", "approve_estimate": "38.38412", "approve_hi": "42.71571", "approve_lo": "34.0525 2", "disapprove_estimate": "55.72515", "disapprove_hi": "60.15879", "disapprove_lo": "5 1.2915"},{"date":"2017-07-30","future":false,"subgroup":"All polls","approve estim ate":"38.35231", "approve_hi":"42.70267", "approve_lo":"34.00195", "disapprove_estima te":"55.75294","disapprove_hi":"60.21958","disapprove_lo":"51.28629"},{"date":"201 7-07-31", "future": false, "subgroup": "All polls", "approve_estimate": "38.20862", "appr ove_hi":"42.6102","approve_lo":"33.80704","disapprove_estimate":"56.1893","disappr ove_hi":"60.72137","disapprove_lo":"51.65723"},{"date":"2017-08-01","future":fals e, "subgroup": "All polls", "approve_estimate": "37.76429", "approve_hi": "42.14993", "ap prove_lo":"33.37865","disapprove_estimate":"56.74495","disapprove_hi":"61.2978 2", "disapprove_lo": "52.19208" }, { "date": "2017-08-02", "future": false, "subgroup": "All polls", "approve_estimate": "37.04735", "approve_hi": "41.72179", "approve_lo": "32.3729 2", "disapprove_estimate": "57.46737", "disapprove_hi": "62.21899", "disapprove_lo": "5 2.71576"},{"date":"2017-08-03","future":false,"subgroup":"All polls","approve_esti mate": "37.01992", "approve_hi": "41.67223", "approve_lo": "32.3676", "disapprove_estima" te":"57.37531", "disapprove_hi":"62.04323", "disapprove_lo":"52.70739"}, {"date":"201 7-08-04", "future": false, "subgroup": "All polls", "approve_estimate": "36.91279", "appr ove_hi":"41.50656","approve_lo":"32.31903","disapprove_estimate":"57.43717","disap prove_hi":"62.06231","disapprove_lo":"52.81203"},{"date":"2017-08-05","future":fal se, "subgroup": "All polls", "approve_estimate": "36.95828", "approve_hi": "41.55743", "a pprove_lo":"32.35914","disapprove_estimate":"57.26429","disapprove_hi":"61.9029 7", "disapprove_lo": "52.6256"}, {"date": "2017-08-06", "future": false, "subgroup": "All polls", "approve_estimate": "36.98021", "approve_hi": "41.55582", "approve_lo": "32.4046 1", "disapprove_estimate": "57.27692", "disapprove_hi": "61.87062", "disapprove_lo": "5 2.68322"},{"date":"2017-08-07","future":false,"subgroup":"All polls","approve_esti mate":"36.60229", "approve_hi":"41.33248", "approve_lo":"31.87211", "disapprove_estim ate":"57.36718","disapprove_hi":"61.76018","disapprove_lo":"52.97419"},{"date":"20 17-08-08", "future": false, "subgroup": "All polls", "approve_estimate": "36.90808", "app rove_hi":"41.69695","approve_lo":"32.11922","disapprove_estimate":"57.43502","disa pprove_hi":"61.98555","disapprove_lo":"52.88449"},{"date":"2017-08-09","future":fa lse, "subgroup": "All polls", "approve_estimate": "36.86343", "approve_hi": "41.5586 7", "approve_lo": "32.16819", "disapprove_estimate": "57.23425", "disapprove_hi": "61.74 557", "disapprove_lo": "52.72292"}, {"date": "2017-08-10", "future": false, "subgroup": "A 11 polls", "approve_estimate": "36.93701", "approve_hi": "41.71968", "approve_lo": "32.1 5434", "disapprove_estimate": "57.06971", "disapprove_hi": "61.59443", "disapprove_l o":"52.54499"},{"date":"2017-08-11","future":false,"subgroup":"All polls","approve _estimate":"37.56736","approve_hi":"42.19353","approve_lo":"32.94119","disapprove_ estimate": "56.34317", "disapprove_hi": "60.85007", "disapprove_lo": "51.83627"}, {"dat e":"2017-08-12","future":false,"subgroup":"All polls","approve_estimate":"37.6222 8", "approve_hi": "42.29346", "approve_lo": "32.9511", "disapprove_estimate": "56.3592 1", "disapprove_hi": "60.83619", "disapprove_lo": "51.88224"}, {"date": "2017-08-13", "fu ture":false, "subgroup": "All polls", "approve_estimate": "37.57039", "approve_hi": "42. 26449", "approve_lo": "32.87629", "disapprove_estimate": "56.46309", "disapprove_hi": "6 0.98093", "disapprove lo": "51.94524"}, { "date": "2017-08-14", "future": false, "subgrou

p":"All polls", "approve_estimate":"37.39813", "approve_hi":"42.12861", "approve_l o":"32.66765", "disapprove_estimate":"56.64359", "disapprove_hi":"61.21503", "disappr ove_lo":"52.07214"},{"date":"2017-08-15","future":false,"subgroup":"All polls","ap prove_estimate":"37.63694","approve_hi":"42.20628","approve_lo":"33.0676","disappr ove_estimate":"55.55735","disapprove_hi":"60.32541","disapprove_lo":"50.78928"}, {"date":"2017-08-16","future":false,"subgroup":"All polls","approve_estimate":"37. 33916", "approve_hi": "41.82668", "approve_lo": "32.85165", "disapprove_estimate": "55.0 3362", "disapprove_hi": "59.93123", "disapprove_lo": "50.136"}, { "date": "2017-08-17", "f uture":false, "subgroup": "All polls", "approve estimate": "37.85554", "approve hi": "4 2.33533", "approve_lo": "33.37575", "disapprove_estimate": "54.9286", "disapprove_h i":"59.70444", "disapprove_lo":"50.15276"}, {"date":"2017-08-18", "future":false, "sub group":"All polls","approve_estimate":"37.79533","approve_hi":"42.40402","approve_ lo":"33.18665","disapprove_estimate":"55.39618","disapprove_hi":"60.15129","disapp rove_lo":"50.64106"},{"date":"2017-08-19","future":false,"subgroup":"All polls","a pprove_estimate":"37.79533","approve_hi":"42.40402","approve_lo":"33.18665","disap prove_estimate":"55.39618","disapprove_hi":"60.15129","disapprove_lo":"50.64106"}, {"date":"2017-08-20","future":false,"subgroup":"All polls","approve_estimate":"37. 72692", "approve_hi": "42.34237", "approve_lo": "33.11146", "disapprove_estimate": "55.4 3607", "disapprove_hi": "60.20604", "disapprove_lo": "50.66609"}, {"date": "2017-08-2 1","future":false,"subgroup":"All polls","approve_estimate":"37.05765","approve_h i":"41.65087", "approve_lo":"32.46442", "disapprove_estimate":"56.54782", "disapprove _hi":"61.33219","disapprove_lo":"51.76345"},{"date":"2017-08-22","future":false,"s ubgroup": "All polls", "approve_estimate": "36.81282", "approve_hi": "41.33916", "approv e_lo":"32.28648","disapprove_estimate":"57.00314","disapprove_hi":"61.75926","disa pprove_lo":"52.24702"},{"date":"2017-08-23","future":false,"subgroup":"All poll s", "approve_estimate": "36.92514", "approve_hi": "41.28721", "approve_lo": "32.5630 7", "disapprove_estimate": "56.83273", "disapprove_hi": "61.54496", "disapprove_lo": "5 2.1205"},{"date":"2017-08-24","future":false,"subgroup":"All polls","approve_estim ate":"37.01527", "approve_hi":"41.47535", "approve_lo":"32.5552", "disapprove_estimat e":"56.76907","disapprove_hi":"61.49586","disapprove_lo":"52.04228"},{"date":"2017 -08-25", "future": false, "subgroup": "All polls", "approve_estimate": "36.91675", "appro ve_hi":"41.45602","approve_lo":"32.37748","disapprove_estimate":"57.15396","disapp rove_hi":"61.81174","disapprove_lo":"52.49618"},{"date":"2017-08-26","future":fals e, "subgroup": "All polls", "approve_estimate": "36.93331", "approve_hi": "41.47746", "ap prove_lo":"32.38916","disapprove_estimate":"57.17996","disapprove_hi":"61.8601 6", "disapprove_lo": "52.49976"}, { "date": "2017-08-27", "future": false, "subgroup": "All polls", "approve_estimate": "36.92144", "approve_hi": "41.48524", "approve_lo": "32.3576 4", "disapprove_estimate": "57.19756", "disapprove_hi": "61.90208", "disapprove_lo": "5 2.49304"},{"date":"2017-08-28","future":false,"subgroup":"All polls","approve_esti mate": "36.92813", "approve_hi": "41.51923", "approve_lo": "32.33704", "disapprove_estim ate":"57.2124", "disapprove_hi":"61.92688", "disapprove_lo":"52.49792"}, {"date":"201 7-08-29", "future": false, "subgroup": "All polls", "approve_estimate": "36.82207", "appr ove_hi": "41.25789", "approve_lo": "32.38624", "disapprove_estimate": "57.44258", "disap prove_hi":"62.25244","disapprove_lo":"52.63271"},{"date":"2017-08-30","future":fal se, "subgroup": "All polls", "approve_estimate": "37.31853", "approve_hi": "41.68003", "a pprove_lo":"32.95704","disapprove_estimate":"57.14878","disapprove_hi":"61.8117 6", "disapprove_lo": "52.48579"}, {"date": "2017-08-31", "future": false, "subgroup": "All polls", "approve_estimate": "37.22177", "approve_hi": "41.5991", "approve_lo": "32.8444 4", "disapprove_estimate": "57.22581", "disapprove_hi": "61.89116", "disapprove_lo": "5 2.56047"},{"date":"2017-09-01","future":false,"subgroup":"All polls","approve_esti mate":"37.3336", "approve_hi":"41.67601", "approve_lo":"32.99118", "disapprove_estima te":"57.26038","disapprove_hi":"61.87663","disapprove_lo":"52.64413"},{"date":"201 7-09-02", "future": false, "subgroup": "All polls", "approve_estimate": "37.28516", "appr ove_hi":"41.66122","approve_lo":"32.90909","disapprove_estimate":"57.30523","disap prove_hi":"61.94461","disapprove_lo":"52.66586"},{"date":"2017-09-03","future":fal se, "subgroup": "All polls", "approve estimate": "37.35038", "approve hi": "41.70014", "a

pprove_lo":"33.00063","disapprove_estimate":"57.18285","disapprove_hi":"61.7684 4", "disapprove_lo": "52.59725"}, { "date": "2017-09-04", "future": false, "subgroup": "All polls", "approve_estimate": "37.50347", "approve_hi": "41.89262", "approve_lo": "33.1143 2", "disapprove_estimate": "56.98285", "disapprove_hi": "61.5484", "disapprove_lo": "52. 41729"},{"date":"2017-09-05","future":false,"subgroup":"All polls","approve_estima te":"37.76652", "approve_hi":"42.23053", "approve_lo":"33.30251", "disapprove_estimat e":"56.80103", "disapprove_hi":"61.37112", "disapprove_lo":"52.23093"}, {"date":"2017 -09-06", "future": false, "subgroup": "All polls", "approve_estimate": "38.21691", "appro ve hi":"42.74511", "approve lo":"33.68871", "disapprove estimate":"56.44203", "disapp rove_hi":"61.08582","disapprove_lo":"51.79824"},{"date":"2017-09-07","future":fals e, "subgroup": "All polls", "approve_estimate": "38.37829", "approve_hi": "42.91252", "ap prove_lo":"33.84407","disapprove_estimate":"56.37593","disapprove_hi":"60.9139 7", "disapprove_lo": "51.83789"}, { "date": "2017-09-08", "future": false, "subgroup": "All polls", "approve_estimate": "38.68817", "approve_hi": "43.26941", "approve_lo": "34.1069 3", "disapprove_estimate": "55.95134", "disapprove_hi": "60.39766", "disapprove_lo": "5 1.50502"},{"date":"2017-09-09","future":false,"subgroup":"All polls","approve_esti mate":"38.76101","approve_hi":"43.32641","approve_lo":"34.19561","disapprove_estim ate":"55.89272", "disapprove_hi":"60.3409", "disapprove_lo":"51.44453"}, {"date":"201 7-09-10", "future": false, "subgroup": "All polls", "approve_estimate": "38.75933", "appr ove_hi":"43.3353","approve_lo":"34.18337","disapprove_estimate":"55.87571","disapp rove_hi":"60.32141","disapprove_lo":"51.43"},{"date":"2017-09-11","future":fals e, "subgroup": "All polls", "approve_estimate": "38.71809", "approve_hi": "43.24094", "ap prove_lo":"34.19524","disapprove_estimate":"55.95098","disapprove_hi":"60.3407 9", "disapprove_lo": "51.56116"}, { "date": "2017-09-12", "future": false, "subgroup": "All polls", "approve_estimate": "38.1081", "approve_hi": "42.74432", "approve_lo": "33.4718 8", "disapprove_estimate": "56.23722", "disapprove_hi": "60.56918", "disapprove_lo": "5 1.90527"},{"date":"2017-09-13","future":false,"subgroup":"All polls","approve_esti mate":"38.20712", "approve_hi":"42.65783", "approve_lo":"33.7564", "disapprove_estima te":"55.90915", "disapprove_hi":"60.37368", "disapprove_lo":"51.44463"}, {"date":"201 7-09-14", "future": false, "subgroup": "All polls", "approve_estimate": "38.48572", "appr ove_hi":"43.06287","approve_lo":"33.90856","disapprove_estimate":"55.55937","disap prove_hi":"60.04461","disapprove_lo":"51.07413"},{"date":"2017-09-15","future":fal se, "subgroup": "All polls", "approve_estimate": "38.85391", "approve_hi": "43.17216", "a pprove_lo":"34.53566","disapprove_estimate":"54.70395","disapprove_hi":"59.3540 4", "disapprove_lo": "50.05386"}, {"date": "2017-09-16", "future": false, "subgroup": "All polls", "approve_estimate": "38.79293", "approve_hi": "43.15847", "approve_lo": "34.4273 8", "disapprove_estimate": "54.80883", "disapprove_hi": "59.53611", "disapprove_lo": "5 0.08154"},{"date":"2017-09-17","future":false,"subgroup":"All polls","approve_esti mate": "38.79023", "approve_hi": "43.07557", "approve_lo": "34.50489", "disapprove_estim ate":"54.70402", "disapprove_hi":"59.38459", "disapprove_lo":"50.02346"}, {"date":"20 17-09-18", "future": false, "subgroup": "All polls", "approve_estimate": "38.90175", "app rove_hi":"43.20633","approve_lo":"34.59717","disapprove_estimate":"54.57581","disa pprove_hi":"59.23567","disapprove_lo":"49.91596"},{"date":"2017-09-19","future":fa lse, "subgroup": "All polls", "approve_estimate": "38.85189", "approve_hi": "43.0079", "a pprove_lo":"34.69588","disapprove_estimate":"54.49646","disapprove_hi":"58.9973 7", "disapprove_lo": "49.99556"}, { "date": "2017-09-20", "future": false, "subgroup": "All polls", "approve_estimate": "39.06307", "approve_hi": "42.97974", "approve_lo": "35.146 4", "disapprove_estimate": "53.5909", "disapprove_hi": "58.35732", "disapprove_lo": "48. 82448"},{"date":"2017-09-21","future":false,"subgroup":"All polls","approve_estima te":"39.45935", "approve_hi":"43.41961", "approve_lo":"35.49909", "disapprove_estimat e":"53.5658","disapprove_hi":"58.1391","disapprove_lo":"48.99249"},{"date":"2017-0 9-22", "future": false, "subgroup": "All polls", "approve_estimate": "39.49464", "approve _hi":"43.62273","approve_lo":"35.36654","disapprove_estimate":"54.0083","disapprov e_hi":"58.5935","disapprove_lo":"49.4231"},{"date":"2017-09-23","future":false,"su bgroup": "All polls", "approve_estimate": "39.44529", "approve_hi": "43.59065", "approve _lo":"35.29993","disapprove_estimate":"54.00235","disapprove_hi":"58.5786","disapp

rove_lo":"49.42611"},{"date":"2017-09-24","future":false,"subgroup":"All polls","a pprove_estimate": "39.59408", "approve_hi": "43.60965", "approve_lo": "35.57851", "disap prove_estimate":"54.24086","disapprove_hi":"58.78962","disapprove_lo":"49.6921"}, {"date":"2017-09-25","future":false,"subgroup":"All polls","approve_estimate":"39. 6704", "approve_hi": "43.84024", "approve_lo": "35.50056", "disapprove_estimate": "54.32 408", "disapprove_hi": "58.76521", "disapprove_lo": "49.88295"}, {"date": "2017-09-2 6","future":false,"subgroup":"All polls","approve_estimate":"38.92197","approve_h i":"43.18951", "approve_lo":"34.65443", "disapprove_estimate":"54.60735", "disapprove hi":"58.86979", "disapprove lo":"50.34491"}, {"date":"2017-09-27", "future":false, "s ubgroup": "All polls", "approve_estimate": "38.79216", "approve_hi": "43.08302", "approv e_lo":"34.5013","disapprove_estimate":"54.94124","disapprove_hi":"59.06998","disap prove_lo":"50.8125"},{"date":"2017-09-28","future":false,"subgroup":"All polls","a pprove_estimate":"38.82832","approve_hi":"43.16374","approve_lo":"34.49291","disap prove estimate":"55.08244","disapprove_hi":"59.19535","disapprove_lo":"50.96952"}, {"date":"2017-09-29","future":false,"subgroup":"All polls","approve_estimate":"38. 62467", "approve_hi": "42.90867", "approve_lo": "34.34067", "disapprove_estimate": "55.4 1434", "disapprove_hi": "59.5141", "disapprove_lo": "51.31458"}, { "date": "2017-09-3 0", "future": false, "subgroup": "All polls", "approve_estimate": "38.61241", "approve_h i":"42.91461", "approve_lo":"34.31021", "disapprove_estimate":"55.40293", "disapprove _hi":"59.49294","disapprove_lo":"51.31292"},{"date":"2017-10-01","future":false,"s ubgroup": "All polls", "approve_estimate": "38.66099", "approve_hi": "42.96257", "approv e_lo":"34.35941","disapprove_estimate":"55.35896","disapprove_hi":"59.44509","disa pprove_lo":"51.27284"},{"date":"2017-10-02","future":false,"subgroup":"All poll s", "approve_estimate": "38.52001", "approve_hi": "42.78959", "approve_lo": "34.2504 3", "disapprove_estimate": "55.43917", "disapprove_hi": "59.5448", "disapprove_lo": "51. 33354"},{"date":"2017-10-03","future":false,"subgroup":"All polls","approve_estima te":"38.61701", "approve_hi":"42.82699", "approve_lo":"34.40703", "disapprove_estimat e":"55.51572", "disapprove_hi":"59.61335", "disapprove_lo":"51.41809"}, { "date":"2017 -10-04", "future": false, "subgroup": "All polls", "approve_estimate": "38.92259", "appro ve_hi":"43.20797","approve_lo":"34.6372","disapprove_estimate":"55.54972","disappr ove_hi":"59.51195","disapprove_lo":"51.58749"},{"date":"2017-10-05","future":fals e, "subgroup": "All polls", "approve_estimate": "38.81237", "approve_hi": "43.07641", "ap prove_lo":"34.54833","disapprove_estimate":"55.61481","disapprove_hi":"59.4744 1", "disapprove_lo": "51.75522"}, {"date": "2017-10-06", "future": false, "subgroup": "All polls", "approve_estimate": "38.1001", "approve_hi": "42.76361", "approve_lo": "33.436 6", "disapprove_estimate": "56.47272", "disapprove_hi": "61.2938", "disapprove_lo": "51. 65165"},{"date":"2017-10-07","future":false,"subgroup":"All polls","approve_estima te":"38.13292", "approve_hi":"42.81899", "approve_lo":"33.44685", "disapprove_estimat e":"56.40413", "disapprove_hi":"61.24431", "disapprove_lo":"51.56394"}, {"date":"2017 -10-08", "future": false, "subgroup": "All polls", "approve_estimate": "38.10051", "appro ve_hi":"42.81056","approve_lo":"33.39046","disapprove_estimate":"56.43702","disapp rove_hi":"61.29832","disapprove_lo":"51.57572"},{"date":"2017-10-09","future":fals e, "subgroup": "All polls", "approve_estimate": "38.02188", "approve_hi": "42.73129", "ap prove_lo":"33.31248","disapprove_estimate":"56.38805","disapprove_hi":"61.2211 4", "disapprove_lo": "51.55496"}, {"date": "2017-10-10", "future": false, "subgroup": "All polls", "approve_estimate": "37.45793", "approve_hi": "42.27483", "approve_lo": "32.6410 3", "disapprove_estimate": "56.69799", "disapprove_hi": "61.66857", "disapprove_lo": "5 1.72741"},{"date":"2017-10-11","future":false,"subgroup":"All polls","approve_esti mate":"37.7519", "approve_hi":"42.36158", "approve_lo":"33.14222", "disapprove_estima te":"56.08387", "disapprove_hi":"60.84902", "disapprove_lo":"51.31871"}, {"date":"201 7-10-12", "future": false, "subgroup": "All polls", "approve_estimate": "37.85408", "appr ove_hi": "42.50036", "approve_lo": "33.20779", "disapprove_estimate": "56.02977", "disap prove_hi":"60.74846","disapprove_lo":"51.31108"},{"date":"2017-10-13","future":fal se, "subgroup": "All polls", "approve_estimate": "37.6958", "approve_hi": "42.24862", "ap prove_lo":"33.14298","disapprove_estimate":"56.14555","disapprove_hi":"60.8366 4", "disapprove_lo": "51.45445"}, { "date": "2017-10-14", "future": false, "subgroup": "All

polls", "approve_estimate": "37.62886", "approve_hi": "42.14088", "approve_lo": "33.1168 5", "disapprove_estimate": "55.9846", "disapprove_hi": "60.64174", "disapprove_lo": "51. 32746"},{"date":"2017-10-15","future":false,"subgroup":"All polls","approve_estima te":"37.66046","approve_hi":"42.1819","approve_lo":"33.13901","disapprove_estimat e":"55.95942","disapprove_hi":"60.62894","disapprove_lo":"51.28989"},{"date":"2017 -10-16", "future": false, "subgroup": "All polls", "approve_estimate": "38.14785", "appro ve_hi":"42.92557","approve_lo":"33.37013","disapprove_estimate":"55.5671","disappr ove_hi":"60.46063","disapprove_lo":"50.67356"},{"date":"2017-10-17","future":fals e, "subgroup": "All polls", "approve estimate": "37.98654", "approve hi": "42.53926", "ap prove_lo":"33.43382","disapprove_estimate":"55.80103","disapprove_hi":"60.5317 7", "disapprove_lo": "51.07029"}, {"date": "2017-10-18", "future": false, "subgroup": "All polls", "approve_estimate": "38.07331", "approve_hi": "42.73254", "approve_lo": "33.4140 8", "disapprove_estimate": "55.5466", "disapprove_hi": "60.36487", "disapprove_lo": "50. 72834"},{"date":"2017-10-19","future":false,"subgroup":"All polls","approve_estima te":"37.96664", "approve_hi":"42.42966", "approve_lo":"33.50361", "disapprove_estimat e":"55.79045", "disapprove_hi":"60.46689", "disapprove_lo":"51.11402"}, {"date":"2017 -10-20", "future": false, "subgroup": "All polls", "approve_estimate": "37.84346", "appro ve_hi":"42.34471","approve_lo":"33.3422","disapprove_estimate":"56.00579","disappr ove_hi":"60.71263","disapprove_lo":"51.29896"},{"date":"2017-10-21","future":fals e, "subgroup": "All polls", "approve_estimate": "37.86096", "approve_hi": "42.36507", "ap prove_lo":"33.35685","disapprove_estimate":"55.98836","disapprove_hi":"60.6985 3", "disapprove_lo": "51.27818" }, { "date": "2017-10-22", "future": false, "subgroup": "All polls", "approve_estimate": "37.85255", "approve_hi": "42.3642", "approve_lo": "33.3408 9", "disapprove_estimate": "55.94585", "disapprove_hi": "60.64472", "disapprove_lo": "5 1.24699"},{"date":"2017-10-23","future":false,"subgroup":"All polls","approve_esti mate":"37.48936", "approve_hi":"42.06797", "approve_lo":"32.91075", "disapprove_estim ate":"56.38719", "disapprove_hi":"61.0635", "disapprove_lo":"51.71088"}, {"date":"201 7-10-24", "future": false, "subgroup": "All polls", "approve_estimate": "37.1561", "appro ve_hi":"41.78599","approve_lo":"32.52621","disapprove_estimate":"56.73306","disapp rove_hi":"61.40689","disapprove_lo":"52.05923"},{"date":"2017-10-25","future":fals e, "subgroup": "All polls", "approve_estimate": "37.07568", "approve_hi": "41.50466", "ap prove_lo":"32.6467","disapprove_estimate":"56.91793","disapprove_hi":"61.44345","d isapprove_lo":"52.39241"},{"date":"2017-10-26","future":false,"subgroup":"All poll s", "approve_estimate": "37.46911", "approve_hi": "42.05527", "approve_lo": "32.8829 4","disapprove_estimate":"56.71981","disapprove_hi":"61.22549","disapprove_lo":"5 2.21413"},{"date":"2017-10-27","future":false,"subgroup":"All polls","approve_esti mate": "37.30399", "approve_hi": "41.85652", "approve_lo": "32.75145", "disapprove_estim ate":"56.69308", "disapprove_hi":"61.30756", "disapprove_lo":"52.07861"}, {"date":"20 17-10-28", "future": false, "subgroup": "All polls", "approve_estimate": "37.29323", "app rove_hi":"41.86818","approve_lo":"32.71828","disapprove_estimate":"56.74607","disa pprove_hi":"61.39561","disapprove_lo":"52.09653"},{"date":"2017-10-29","future":fa lse, "subgroup": "All polls", "approve_estimate": "37.26856", "approve_hi": "41.7626 7", "approve_lo": "32.77445", "disapprove_estimate": "57.08418", "disapprove_hi": "61.68 118", "disapprove_lo": "52.48719"}, {"date": "2017-10-30", "future": false, "subgroup": "A 11 polls", "approve_estimate": "37.26442", "approve_hi": "42.03175", "approve_lo": "32.4 9708", "disapprove_estimate": "57.09366", "disapprove_hi": "61.82941", "disapprove_1 o":"52.35792"},{"date":"2017-10-31","future":false,"subgroup":"All polls","approve _estimate":"37.24255","approve_hi":"41.83614","approve_lo":"32.64895","disapprove_ estimate":"57.15416","disapprove_hi":"61.77101","disapprove_lo":"52.5373"},{"dat e":"2017-11-01","future":false,"subgroup":"All polls","approve_estimate":"37.7572 3", "approve_hi": "42.39159", "approve_lo": "33.12287", "disapprove_estimate": "56.7628 5", "disapprove_hi": "61.45495", "disapprove_lo": "52.07076"}, {"date": "2017-11-02", "fu ture":false, "subgroup": "All polls", "approve_estimate": "37.97559", "approve_hi": "42. 52827", "approve_lo": "33.4229", "disapprove_estimate": "56.40167", "disapprove_hi": "6 0.83871", "disapprove_lo": "51.96463"}, { "date": "2017-11-03", "future": false, "subgrou p":"All polls", "approve estimate": "37.8332", "approve hi": "42.36376", "approve l

o":"33.30264", "disapprove_estimate":"56.58921", "disapprove_hi":"61.17087", "disappr ove_lo":"52.00755"},{"date":"2017-11-04","future":false,"subgroup":"All polls","ap prove_estimate":"37.88012","approve_hi":"42.41156","approve_lo":"33.34868","disapp rove_estimate":"56.50428","disapprove_hi":"61.09159","disapprove_lo":"51.91697"}, {"date":"2017-11-05", "future":false, "subgroup": "All polls", "approve_estimate": "37. 78851", "approve_hi": "42.21611", "approve_lo": "33.3609", "disapprove_estimate": "56.69 604","disapprove_hi":"61.22639","disapprove_lo":"52.16568"},{"date":"2017-11-0 6", "future": false, "subgroup": "All polls", "approve_estimate": "37.69767", "approve_h i":"42.14056", "approve_lo":"33.25479", "disapprove_estimate":"56.73272", "disapprove hi":"61.18445","disapprove_lo":"52.28099"},{"date":"2017-11-07","future":false,"s_ ubgroup": "All polls", "approve_estimate": "37.55069", "approve_hi": "41.86052", "approv e_lo":"33.24086","disapprove_estimate":"56.80687","disapprove_hi":"61.07893","disa pprove_lo":"52.53482"},{"date":"2017-11-08","future":false,"subgroup":"All poll s", "approve_estimate": "37.58189", "approve_hi": "41.81385", "approve_lo": "33.3499 4", "disapprove_estimate": "56.68189", "disapprove_hi": "60.93145", "disapprove_lo": "5 2.43234"},{"date":"2017-11-09","future":false,"subgroup":"All polls","approve_esti mate":"37.65916", "approve_hi":"42.07094", "approve_lo":"33.24738", "disapprove_estim ate":"56.5921", "disapprove_hi":"60.90161", "disapprove_lo":"52.28259"}, {"date":"201 7-11-10", "future": false, "subgroup": "All polls", "approve_estimate": "37.85893", "appr ove_hi":"42.279","approve_lo":"33.43886","disapprove_estimate":"56.11641","disappr ove_hi":"60.87601","disapprove_lo":"51.3568"},{"date":"2017-11-11","future":fals e, "subgroup": "All polls", "approve_estimate": "37.91284", "approve_hi": "42.33805", "ap prove_lo":"33.48764","disapprove_estimate":"56.08043","disapprove_hi":"60.8492 1", "disapprove_lo": "51.31165"}, {"date": "2017-11-12", "future": false, "subgroup": "All polls", "approve_estimate": "37.98497", "approve_hi": "42.4199", "approve_lo": "33.5500 3", "disapprove_estimate": "55.9723", "disapprove_hi": "60.75954", "disapprove_lo": "51. 18506"},{"date":"2017-11-13","future":false,"subgroup":"All polls","approve_estima te":"38.07273", "approve_hi":"42.68018", "approve_lo":"33.46527", "disapprove_estimat e":"55.89657", "disapprove_hi":"60.70871", "disapprove_lo":"51.08443"}, {"date":"2017 -11-14", "future": false, "subgroup": "All polls", "approve_estimate": "38.05358", "appro ve_hi":"42.36156","approve_lo":"33.7456","disapprove_estimate":"55.78141","disappr ove_hi":"60.36355","disapprove_lo":"51.19926"},{"date":"2017-11-15","future":fals e, "subgroup": "All polls", "approve_estimate": "38.08255", "approve_hi": "42.49938", "ap prove_lo":"33.66573","disapprove_estimate":"55.61642","disapprove_hi":"60.0223 8", "disapprove_lo": "51.21045"}, {"date": "2017-11-16", "future": false, "subgroup": "All polls", "approve_estimate": "38.12582", "approve_hi": "42.58415", "approve_lo": "33.6674 9", "disapprove_estimate": "55.66437", "disapprove_hi": "60.01311", "disapprove_lo": "5 1.31562"},{"date":"2017-11-17","future":false,"subgroup":"All polls","approve_esti mate":"38.07958", "approve_hi":"42.49039", "approve_lo":"33.66876", "disapprove_estim ate":"55.4835", "disapprove_hi":"59.79652", "disapprove_lo":"51.17048"}, {"date":"201 7-11-18", "future": false, "subgroup": "All polls", "approve_estimate": "38.19148", "appr ove_hi":"42.61405","approve_lo":"33.76891","disapprove_estimate":"55.45759","disap prove_hi":"59.77378","disapprove_lo":"51.1414"},{"date":"2017-11-19","future":fals e, "subgroup": "All polls", "approve_estimate": "38.1493", "approve_hi": "42.56184", "app rove_lo":"33.73676","disapprove_estimate":"55.70245","disapprove_hi":"60.02735","d isapprove_lo":"51.37754"},{"date":"2017-11-20","future":false,"subgroup":"All poll s", "approve_estimate": "38.11539", "approve_hi": "42.51321", "approve_lo": "33.7175 8", "disapprove_estimate": "55.75067", "disapprove_hi": "60.06194", "disapprove_lo": "5 1.43939"},{"date":"2017-11-21","future":false,"subgroup":"All polls","approve_esti mate": "38.16841", "approve hi": "42.40234", "approve lo": "33.93447", "disapprove estim ate":"56.02618", "disapprove_hi":"60.28223", "disapprove_lo":"51.77013"}, { "date":"20 17-11-22", "future": false, "subgroup": "All polls", "approve_estimate": "38.41062", "app rove_hi":"42.75452","approve_lo":"34.06672","disapprove_estimate":"55.54749","disa pprove_hi":"60.09285","disapprove_lo":"51.00213"},{"date":"2017-11-23","future":fa lse, "subgroup": "All polls", "approve_estimate": "38.42519", "approve_hi": "42.7556 6", "approve lo": "34.09473", "disapprove estimate": "55.50383", "disapprove hi": "60.03

542","disapprove_lo":"50.97224"},{"date":"2017-11-24","future":false,"subgroup":"A ll polls", "approve_estimate": "38.42519", "approve_hi": "42.75566", "approve_lo": "34.0 9473", "disapprove_estimate": "55.50383", "disapprove_hi": "60.03542", "disapprove_l o":"50.97224"},{"date":"2017-11-25","future":false,"subgroup":"All polls","approve _estimate":"38.44119","approve_hi":"42.79749","approve_lo":"34.08489","disapprove_ estimate": "55.45301", "disapprove_hi": "60.03166", "disapprove_lo": "50.87435"}, {"dat e":"2017-11-26", "future":false, "subgroup": "All polls", "approve_estimate": "38.3922 2", "approve_hi": "42.77029", "approve_lo": "34.01414", "disapprove_estimate": "55.5468 3", "disapprove_hi": "60.15193", "disapprove_lo": "50.94173"}, { "date": "2017-11-27", "fu ture":false, "subgroup": "All polls", "approve_estimate": "38.3837", "approve_hi": "42.8 1887", "approve_lo": "33.94852", "disapprove_estimate": "55.51948", "disapprove_hi": "6 0.09151", "disapprove_lo": "50.94745"}, { "date": "2017-11-28", "future": false, "subgrou p":"All polls","approve_estimate":"38.24538","approve_hi":"42.61953","approve_l o":"33.87123", "disapprove_estimate":"55.60558", "disapprove_hi":"60.14755", "disappr ove_lo":"51.0636"},{"date":"2017-11-29","future":false,"subgroup":"All polls","app rove_estimate": "38.42575", "approve_hi": "42.58271", "approve_lo": "34.2688", "disappro ve_estimate":"55.55772","disapprove_hi":"59.93708","disapprove_lo":"51.17836"},{"d ate":"2017-11-30", "future": false, "subgroup": "All polls", "approve_estimate": "38.163 22", "approve_hi": "42.35735", "approve_lo": "33.96909", "disapprove_estimate": "55.7587 3", "disapprove_hi": "60.2225", "disapprove_lo": "51.29496"}, { "date": "2017-12-01", "fut ure":false, "subgroup": "All polls", "approve_estimate": "38.00967", "approve_hi": "42.3 3422", "approve_lo": "33.68511", "disapprove_estimate": "55.9007", "disapprove_hi": "60. 35528", "disapprove_lo": "51.44611" }, { "date": "2017-12-02", "future": false, "subgrou p":"All polls", "approve_estimate": "37.90633", "approve_hi": "42.34116", "approve_l o":"33.47151", "disapprove_estimate":"56.05219", "disapprove_hi":"60.66449", "disappr ove_lo":"51.43988"},{"date":"2017-12-03","future":false,"subgroup":"All polls","ap prove_estimate":"37.89624","approve_hi":"42.34225","approve_lo":"33.45023","disapp rove_estimate":"56.08004","disapprove_hi":"60.71577","disapprove_lo":"51.44431"}, {"date":"2017-12-04","future":false,"subgroup":"All polls","approve_estimate":"37. 86093", "approve_hi": "42.2491", "approve_lo": "33.47276", "disapprove_estimate": "56.09 463", "disapprove_hi": "60.70168", "disapprove_lo": "51.48758"}, {"date": "2017-12-0 5", "future": false, "subgroup": "All polls", "approve_estimate": "37.90712", "approve_h i":"42.27509", "approve_lo":"33.53914", "disapprove_estimate":"56.05267", "disapprove hi":"60.41055","disapprove_lo":"51.69479"},{"date":"2017-12-06","future":false,"s_ ubgroup": "All polls", "approve_estimate": "37.84785", "approve_hi": "42.35403", "approv e_lo":"33.34167","disapprove_estimate":"55.80183","disapprove_hi":"60.53749","disa pprove_lo":"51.06617"},{"date":"2017-12-07","future":false,"subgroup":"All poll s", "approve_estimate": "37.27071", "approve_hi": "41.92155", "approve_lo": "32.6198 7", "disapprove_estimate": "56.42054", "disapprove_hi": "61.28671", "disapprove_lo": "5 1.55438"},{"date":"2017-12-08","future":false,"subgroup":"All polls","approve_esti mate":"37.28476", "approve_hi":"41.90453", "approve_lo":"32.66499", "disapprove_estim ate":"56.4149", "disapprove_hi":"61.26764", "disapprove_lo":"51.56216"}, {"date":"201 7-12-09", "future": false, "subgroup": "All polls", "approve_estimate": "37.26849", "appr ove_hi": "41.89824", "approve_lo": "32.63873", "disapprove_estimate": "56.41706", "disap prove_hi":"61.28215","disapprove_lo":"51.55198"},{"date":"2017-12-10","future":fal se, "subgroup": "All polls", "approve_estimate": "37.12042", "approve_hi": "41.69753", "a pprove_lo":"32.54332","disapprove_estimate":"56.69955","disapprove_hi":"61.5738 7", "disapprove_lo": "51.82524"}, {"date": "2017-12-11", "future": false, "subgroup": "All polls", "approve_estimate": "37.07095", "approve_hi": "41.68771", "approve_lo": "32.454 2", "disapprove estimate": "56.75324", "disapprove hi": "61.64172", "disapprove lo": "5 1.86476"},{"date":"2017-12-12","future":false,"subgroup":"All polls","approve_esti mate":"37.17878", "approve_hi":"41.6306", "approve_lo":"32.72696", "disapprove_estima te":"57.00034", "disapprove_hi":"61.66032", "disapprove_lo":"52.34037"}, {"date":"201 7-12-13", "future": false, "subgroup": "All polls", "approve_estimate": "36.66145", "appr ove_hi": "41.23801", "approve_lo": "32.08489", "disapprove_estimate": "56.84941", "disap prove hi": "61.49991", "disapprove lo": "52.19891" }, { "date": "2017-12-14", "future": fal

se, "subgroup": "All polls", "approve_estimate": "37.07505", "approve_hi": "41.67421", "a pprove_lo":"32.47588","disapprove_estimate":"56.79411","disapprove_hi":"61.3200 2", "disapprove_lo": "52.2682"}, {"date": "2017-12-15", "future": false, "subgroup": "All polls", "approve_estimate": "36.45856", "approve_hi": "41.09477", "approve_lo": "31.8223 6", "disapprove_estimate": "57.43106", "disapprove_hi": "62.48951", "disapprove_lo": "5 2.37261"},{"date":"2017-12-16","future":false,"subgroup":"All polls","approve_esti mate":"36.40314", "approve_hi":"41.07541", "approve_lo":"31.73088", "disapprove_estim ate":"57.50006","disapprove_hi":"62.59423","disapprove_lo":"52.40588"},{"date":"20 17-12-17", "future": false, "subgroup": "All polls", "approve estimate": "37.00387", "app rove_hi":"41.72515","approve_lo":"32.28259","disapprove_estimate":"57.35746","disa pprove_hi":"62.34027","disapprove_lo":"52.37466"},{"date":"2017-12-18","future":fa lse, "subgroup": "All polls", "approve_estimate": "37.21277", "approve_hi": "42.0601 8", "approve_lo": "32.36535", "disapprove_estimate": "56.7984", "disapprove_hi": "62.050 48", "disapprove_lo": "51.54631"}, {"date": "2017-12-19", "future": false, "subgroup": "Al 1 polls", "approve_estimate": "37.10143", "approve_hi": "41.74622", "approve_lo": "32.45 663", "disapprove_estimate": "57.38179", "disapprove_hi": "62.37889", "disapprove_l o":"52.38468"},{"date":"2017-12-20","future":false,"subgroup":"All polls","approve _estimate":"37.20605","approve_hi":"42.15113","approve_lo":"32.26097","disapprove_ estimate": "56.98474", "disapprove_hi": "61.99156", "disapprove_lo": "51.97792"}, { "dat e":"2017-12-21", "future":false, "subgroup": "All polls", "approve_estimate": "37.045 3", "approve_hi": "41.94979", "approve_lo": "32.1408", "disapprove_estimate": "57.2392 6", "disapprove_hi": "62.26624", "disapprove_lo": "52.21227"}, {"date": "2017-12-22", "fu ture":false, "subgroup":"All polls", "approve_estimate":"37.14611", "approve_hi":"42. 04803", "approve_lo": "32.24418", "disapprove_estimate": "57.08867", "disapprove_hi": "6 2.06757", "disapprove_lo": "52.10978"}, { "date": "2017-12-23", "future": false, "subgrou p":"All polls", "approve_estimate":"37.25974", "approve_hi":"42.16922", "approve_l o":"32.35025","disapprove_estimate":"57.0198","disapprove_hi":"62.00357","disappro ve_lo":"52.03604"},{"date":"2017-12-24","future":false,"subgroup":"All polls","app rove_estimate":"37.3656","approve_hi":"42.29593","approve_lo":"32.43528","disappro ve_estimate":"56.87848","disapprove_hi":"61.88215","disapprove_lo":"51.8748"},{"da te":"2017-12-25","future":false,"subgroup":"All polls","approve_estimate":"37.365 6", "approve_hi": "42.29593", "approve_lo": "32.43528", "disapprove_estimate": "56.8784 8", "disapprove_hi": "61.88215", "disapprove_lo": "51.8748"}, {"date": "2017-12-26", "fut ure":false, "subgroup": "All polls", "approve_estimate": "37.38361", "approve_hi": "42.1 9453", "approve_lo": "32.57268", "disapprove_estimate": "56.89546", "disapprove_hi": "6 1.75955", "disapprove_lo": "52.03138"}, { "date": "2017-12-27", "future": false, "subgrou p":"All polls", "approve_estimate":"37.53883", "approve_hi":"42.5399", "approve_l o":"32.53776", "disapprove_estimate":"56.67389", "disapprove_hi":"61.58022", "disappr ove_lo":"51.76756"},{"date":"2017-12-28","future":false,"subgroup":"All polls","ap prove_estimate":"37.73159","approve_hi":"42.75414","approve_lo":"32.70905","disapp rove_estimate":"56.41101","disapprove_hi":"61.38774","disapprove_lo":"51.43429"}, {"date":"2017-12-29","future":false,"subgroup":"All polls","approve_estimate":"37. 71204", "approve_hi": "42.62421", "approve_lo": "32.79987", "disapprove_estimate": "56.3 1897", "disapprove_hi": "61.18826", "disapprove_lo": "51.44968"}, { "date": "2017-12-3 0", "future": false, "subgroup": "All polls", "approve_estimate": "37.73003", "approve_h i":"42.64738", "approve_lo":"32.81269", "disapprove_estimate":"56.24842", "disapprove _hi":"61.10892","disapprove_lo":"51.38792"},{"date":"2017-12-31","future":false,"s ubgroup": "All polls", "approve_estimate": "37.8654", "approve_hi": "42.80467", "approve _lo":"32.92613","disapprove_estimate":"56.16106","disapprove_hi":"61.01686","disap prove lo":"51.30525"},{"date":"2018-01-01","future":false,"subgroup":"All poll s", "approve_estimate": "37.8654", "approve_hi": "42.80467", "approve_lo": "32.92613", "d isapprove_estimate":"56.16106","disapprove_hi":"61.01686","disapprove_lo":"51.3052 5"},{"date":"2018-01-02","future":false,"subgroup":"All polls","approve_estimat e":"38.12047", "approve_hi":"42.98391", "approve_lo":"33.25703", "disapprove_estimat e":"55.82487", "disapprove_hi":"60.59271", "disapprove_lo":"51.05703"}, { "date":"2018 -01-03", "future": false, "subgroup": "All polls", "approve_estimate": "38.16097", "appro

ve_hi":"43.0086","approve_lo":"33.31334","disapprove_estimate":"55.69035","disappr ove_hi":"60.4595","disapprove_lo":"50.9212"},{"date":"2018-01-04","future":fals e, "subgroup": "All polls", "approve_estimate": "38.47328", "approve_hi": "43.46577", "ap prove_lo":"33.48078","disapprove_estimate":"55.33284","disapprove_hi":"60.0130 2", "disapprove_lo": "50.65265"}, {"date": "2018-01-05", "future": false, "subgroup": "All polls", "approve_estimate": "38.82547", "approve_hi": "43.64261", "approve_lo": "34.0083 4", "disapprove_estimate": "54.96257", "disapprove_hi": "59.63041", "disapprove_lo": "5 0.29473"},{"date":"2018-01-06","future":false,"subgroup":"All polls","approve_esti mate": "38.82547", "approve_hi": "43.64261", "approve_lo": "34.00834", "disapprove_estim ate":"54.96257","disapprove_hi":"59.63041","disapprove_lo":"50.29473"},{"date":"20 18-01-07", "future": false, "subgroup": "All polls", "approve_estimate": "38.82547", "app rove_hi":"43.64261","approve_lo":"34.00834","disapprove_estimate":"54.96257","disa pprove_hi":"59.63041","disapprove_lo":"50.29473"},{"date":"2018-01-08","future":fa lse, "subgroup": "All polls", "approve_estimate": "38.69312", "approve_hi": "43.4186 4", "approve_lo": "33.9676", "disapprove_estimate": "55.00991", "disapprove_hi": "59.662 67", "disapprove_lo": "50.35715"}, {"date": "2018-01-09", "future": false, "subgroup": "Al 1 polls", "approve_estimate": "38.73449", "approve_hi": "43.51689", "approve_lo": "33.95 209", "disapprove_estimate": "55.00918", "disapprove_hi": "59.65797", "disapprove_l o":"50.36039"},{"date":"2018-01-10","future":false,"subgroup":"All polls","approve _estimate":"39.22063","approve_hi":"43.93981","approve_lo":"34.50145","disapprove_ estimate": "54.60398", "disapprove_hi": "59.30174", "disapprove_lo": "49.90623"}, {"dat e":"2018-01-11", "future":false, "subgroup":"All polls", "approve_estimate":"39.1034 7", "approve_hi": "43.96349", "approve_lo": "34.24345", "disapprove_estimate": "54.6394 6", "disapprove_hi": "59.31625", "disapprove_lo": "49.96267"}, {"date": "2018-01-12", "fu ture":false, "subgroup": "All polls", "approve_estimate": "39.10097", "approve_hi": "43. 75997", "approve_lo": "34.44197", "disapprove_estimate": "54.52315", "disapprove hi": "5 9.12815", "disapprove_lo": "49.91814"}, { "date": "2018-01-13", "future": false, "subgrou p":"All polls", "approve_estimate": "39.10097", "approve_hi": "43.75997", "approve_l o":"34.44197", "disapprove_estimate":"54.52315", "disapprove_hi":"59.12815", "disappr ove_lo":"49.91814"},{"date":"2018-01-14","future":false,"subgroup":"All polls","ap prove_estimate":"39.10097","approve_hi":"43.75997","approve_lo":"34.44197","disapp rove_estimate":"54.52315","disapprove_hi":"59.12815","disapprove_lo":"49.91814"}, {"date":"2018-01-15","future":false,"subgroup":"All polls","approve_estimate":"39. 29245", "approve_hi": "44.17373", "approve_lo": "34.41116", "disapprove_estimate": "54.5 4089", "disapprove_hi": "59.09888", "disapprove_lo": "49.98289"}, {"date": "2018-01-1 6", "future": false, "subgroup": "All polls", "approve_estimate": "39.78146", "approve_h i":"44.62993", "approve_lo":"34.93299", "disapprove_estimate":"54.27212", "disapprove _hi":"58.6432","disapprove_lo":"49.90105"},{"date":"2018-01-17","future":false,"su bgroup":"All polls", "approve_estimate":"40.20608", "approve_hi":"44.95008", "approve _lo":"35.46208","disapprove_estimate":"54.29126","disapprove_hi":"58.65538","disap prove_lo":"49.92715"},{"date":"2018-01-18","future":false,"subgroup":"All poll s","approve_estimate":"39.75453","approve_hi":"44.34867","approve_lo":"35.1603 9","disapprove_estimate":"54.85685","disapprove_hi":"59.08979","disapprove_lo":"5 0.6239"},{"date":"2018-01-19","future":false,"subgroup":"All polls","approve_estim ate":"39.47084", "approve_hi":"44.00764", "approve_lo":"34.93405", "disapprove_estima te":"55.4662", "disapprove_hi":"59.68051", "disapprove_lo":"51.2519"}, { "date": "2018-01-20", "future": false, "subgroup": "All polls", "approve_estimate": "39.47084", "approv e_hi":"44.00764","approve_lo":"34.93405","disapprove_estimate":"55.4662","disappro ve_hi":"59.68051","disapprove_lo":"51.2519"},{"date":"2018-01-21","future":fals e, "subgroup": "All polls", "approve_estimate": "39.11164", "approve_hi": "43.69135", "ap prove_lo":"34.53194","disapprove_estimate":"55.66471","disapprove_hi":"59.8630 7", "disapprove_lo": "51.46636"}, {"date": "2018-01-22", "future": false, "subgroup": "All polls", "approve_estimate": "38.66162", "approve_hi": "43.15218", "approve_lo": "34.1710 7", "disapprove_estimate": "56.06828", "disapprove_hi": "60.28794", "disapprove_lo": "5 1.84861"},{"date":"2018-01-23","future":false,"subgroup":"All polls","approve_esti mate": "38.35379", "approve_hi": "42.80848", "approve_lo": "33.89911", "disapprove_estim

ate":"56.41224","disapprove_hi":"60.62152","disapprove_lo":"52.20297"},{"date":"20 18-01-24", "future": false, "subgroup": "All polls", "approve_estimate": "39.18694", "app rove_hi":"43.80286","approve_lo":"34.57102","disapprove_estimate":"55.91165","disa pprove_hi":"60.15128","disapprove_lo":"51.67202"},{"date":"2018-01-25","future":fa lse, "subgroup": "All polls", "approve_estimate": "39.04172", "approve_hi": "43.6840 6","approve_lo":"34.39938","disapprove_estimate":"55.95849","disapprove_hi":"60.18 705", "disapprove_lo": "51.72993"}, {"date": "2018-01-26", "future": false, "subgroup": "A ll polls", "approve_estimate": "38.82256", "approve_hi": "43.36605", "approve_lo": "34.2 7906", "disapprove estimate": "56.24937", "disapprove hi": "60.46866", "disapprove 1 o":"52.03009"},{"date":"2018-01-27","future":false,"subgroup":"All polls","approve _estimate":"38.82256","approve_hi":"43.36605","approve_lo":"34.27906","disapprove_ estimate": "56.24937", "disapprove_hi": "60.46866", "disapprove_lo": "52.03009"}, { "dat e":"2018-01-28","future":false,"subgroup":"All polls","approve_estimate":"38.8225 6", "approve_hi": "43.36605", "approve_lo": "34.27906", "disapprove_estimate": "56.2493 7", "disapprove_hi": "60.46866", "disapprove_lo": "52.03009"}, {"date": "2018-01-29", "fu ture":false, "subgroup": "All polls", "approve_estimate": "38.78343", "approve_hi": "43. 30004", "approve_lo": "34.26682", "disapprove_estimate": "56.26638", "disapprove_hi": "6 0.47754", "disapprove_lo": "52.05522"}, { "date": "2018-01-30", "future": false, "subgrou p":"All polls", "approve_estimate": "38.99561", "approve_hi": "43.45333", "approve_l o":"34.53789", "disapprove_estimate":"55.81257", "disapprove_hi":"59.94471", "disappr ove_lo":"51.68044"},{"date":"2018-01-31","future":false,"subgroup":"All polls","ap prove_estimate":"39.52642","approve_hi":"43.91461","approve_lo":"35.13823","disapp rove_estimate":"54.93532","disapprove_hi":"59.4603","disapprove_lo":"50.41035"}, {"date":"2018-02-01","future":false,"subgroup":"All polls","approve_estimate":"39. 77913", "approve_hi": "44.31235", "approve_lo": "35.24591", "disapprove_estimate": "54.6 9682", "disapprove_hi": "59.23775", "disapprove_lo": "50.15588"}, {"date": "2018-02-0 2", "future": false, "subgroup": "All polls", "approve_estimate": "40.19921", "approve_h i":"44.90403", "approve_lo":"35.4944", "disapprove_estimate":"54.20677", "disapprove_ hi": "58.8217", "disapprove_lo": "49.59185"}, {"date": "2018-02-03", "future": false, "sub group":"All polls", "approve_estimate": "40.20801", "approve_hi": "44.97096", "approve_ lo":"35.44506", "disapprove_estimate":"54.20181", "disapprove_hi":"58.87855", "disapp rove_lo":"49.52507"},{"date":"2018-02-04","future":false,"subgroup":"All polls","a pprove_estimate":"40.20801","approve_hi":"44.97096","approve_lo":"35.44506","disap prove_estimate":"54.20181","disapprove_hi":"58.87855","disapprove_lo":"49.52507"}, {"date":"2018-02-05","future":false,"subgroup":"All polls","approve_estimate":"40. 37448", "approve_hi": "45.14725", "approve_lo": "35.60171", "disapprove_estimate": "54.1 6125", "disapprove_hi": "58.82504", "disapprove_lo": "49.49746"}, { "date": "2018-02-0 6","future":false,"subgroup":"All polls","approve_estimate":"40.13234","approve_h i":"44.93316", "approve_lo":"35.33151", "disapprove_estimate":"54.1513", "disapprove_ hi":"58.63926","disapprove_lo":"49.66335"},{"date":"2018-02-07","future":false,"su bgroup": "All polls", "approve_estimate": "40.71095", "approve_hi": "45.47941", "approve _lo":"35.94249","disapprove_estimate":"53.78003","disapprove_hi":"58.14731","disap prove_lo":"49.41275"},{"date":"2018-02-08","future":false,"subgroup":"All poll s", "approve_estimate": "40.81161", "approve_hi": "45.63501", "approve_lo": "35.9882", "d isapprove_estimate": "53.61358", "disapprove_hi": "57.99963", "disapprove_lo": "49.2275 3"},{"date":"2018-02-09","future":false,"subgroup":"All polls","approve_estimat e":"40.83043", "approve_hi":"45.61123", "approve_lo":"36.04963", "disapprove_estimat e":"53.56587","disapprove_hi":"57.76377","disapprove_lo":"49.36797"},{"date":"2018 -02-10", "future": false, "subgroup": "All polls", "approve_estimate": "40.83043", "appro ve_hi":"45.61123","approve_lo":"36.04963","disapprove_estimate":"53.56587","disapp rove_hi":"57.76377","disapprove_lo":"49.36797"},{"date":"2018-02-11","future":fals e, "subgroup": "All polls", "approve_estimate": "40.83043", "approve_hi": "45.61123", "ap prove_lo":"36.04963","disapprove_estimate":"53.56587","disapprove_hi":"57.7637 7", "disapprove_lo": "49.36797"}, {"date": "2018-02-12", "future": false, "subgroup": "All polls", "approve_estimate": "40.91967", "approve_hi": "45.69281", "approve_lo": "36.1465 2", "disapprove_estimate": "53.57592", "disapprove_hi": "57.81052", "disapprove_lo": "4

9.34132"},{"date":"2018-02-13","future":false,"subgroup":"All polls","approve_esti mate":"40.98163","approve_hi":"45.74114","approve_lo":"36.22212","disapprove_estim ate":"53.64082","disapprove_hi":"57.80031","disapprove_lo":"49.48132"},{"date":"20 18-02-14", "future": false, "subgroup": "All polls", "approve_estimate": "41.42786", "app rove_hi":"46.25141","approve_lo":"36.60431","disapprove_estimate":"53.14172","disa pprove_hi":"57.58243","disapprove_lo":"48.70101"},{"date":"2018-02-15","future":fa lse, "subgroup": "All polls", "approve_estimate": "41.45908", "approve_hi": "46.1453 4", "approve_lo": "36.77282", "disapprove_estimate": "53.24955", "disapprove_hi": "57.55 662", "disapprove lo": "48.94247" }, {"date": "2018-02-16", "future": false, "subgroup": "A 11 polls", "approve_estimate": "41.3879", "approve_hi": "46.04681", "approve_lo": "36.72 899", "disapprove_estimate": "53.14198", "disapprove_hi": "57.36118", "disapprove_l o":"48.92278"},{"date":"2018-02-17","future":false,"subgroup":"All polls","approve _estimate":"41.3879","approve_hi":"46.04681","approve_lo":"36.72899","disapprove_e stimate": "53.14198", "disapprove_hi": "57.36118", "disapprove_lo": "48.92278"}, {"dat e":"2018-02-18","future":false,"subgroup":"All polls","approve_estimate":"41.387 9", "approve_hi": "46.04681", "approve_lo": "36.72899", "disapprove_estimate": "53.1419 8", "disapprove_hi": "57.36118", "disapprove_lo": "48.92278"}, { "date": "2018-02-19", "fu ture":false, "subgroup": "All polls", "approve_estimate": "41.14141", "approve_hi": "45. 96506", "approve_lo": "36.31777", "disapprove_estimate": "53.41457", "disapprove_hi": "5 7.88396", "disapprove_lo": "48.94518"}, {"date": "2018-02-20", "future": false, "subgrou p":"All polls", "approve_estimate":"40.9889", "approve_hi":"45.7826", "approve_lo":"3 6.19521", "disapprove_estimate": "53.43631", "disapprove_hi": "57.85064", "disapprove_1 o":"49.02197"},{"date":"2018-02-21","future":false,"subgroup":"All polls","approve _estimate":"40.54642","approve_hi":"45.6544","approve_lo":"35.43844","disapprove_e stimate":"54.18967", "disapprove_hi":"58.86581", "disapprove_lo":"49.51352"}, {"dat e":"2018-02-22","future":false,"subgroup":"All polls","approve_estimate":"40.5747 4", "approve_hi": "45.58183", "approve_lo": "35.56766", "disapprove_estimate": "53.9028 1", "disapprove_hi": "58.78596", "disapprove_lo": "49.01966"}, {"date": "2018-02-23", "fu ture":false, "subgroup": "All polls", "approve_estimate": "40.01941", "approve_hi": "45. 13074", "approve_lo": "34.90808", "disapprove_estimate": "54.44614", "disapprove_hi": "5 9.68207", "disapprove_lo": "49.21021" }, { "date": "2018-02-24", "future": false, "subgrou p":"All polls", "approve_estimate":"40.01941", "approve_hi":"45.13074", "approve_l o":"34.90808", "disapprove_estimate":"54.44614", "disapprove_hi":"59.68207", "disappr ove_lo":"49.21021"},{"date":"2018-02-25","future":false,"subgroup":"All polls","ap prove_estimate": "39.07833", "approve_hi": "44.21738", "approve_lo": "33.93928", "disapp rove_estimate":"55.58106","disapprove_hi":"60.83849","disapprove_lo":"50.32363"}, {"date":"2018-02-26","future":false,"subgroup":"All polls","approve_estimate":"39. 37048", "approve_hi": "44.4523", "approve_lo": "34.28865", "disapprove_estimate": "55.20 858", "disapprove_hi": "60.39171", "disapprove_lo": "50.02546"}, {"date": "2018-02-2 7", "future": false, "subgroup": "All polls", "approve_estimate": "39.63747", "approve_h i":"44.71782", "approve_lo":"34.55713", "disapprove_estimate":"54.95428", "disapprove _hi":"60.0928","disapprove_lo":"49.81575"},{"date":"2018-02-28","future":false,"su bgroup": "All polls", "approve_estimate": "40.03228", "approve_hi": "45.1869", "approve_ lo":"34.87766","disapprove_estimate":"54.5688","disapprove_hi":"59.74226","disappr ove_lo":"49.39535"},{"date":"2018-03-01","future":false,"subgroup":"All polls","ap prove_estimate":"40.59626","approve_hi":"45.90219","approve_lo":"35.29032","disapp rove_estimate":"54.11998","disapprove_hi":"59.25413","disapprove_lo":"48.98583"}, {"date":"2018-03-02","future":false,"subgroup":"All polls","approve_estimate":"40. 41828", "approve_hi": "45.74401", "approve_lo": "35.09255", "disapprove_estimate": "54.2 6653", "disapprove_hi": "59.38912", "disapprove_lo": "49.14394"}, {"date": "2018-03-0 3", "future": false, "subgroup": "All polls", "approve_estimate": "40.41828", "approve_h i":"45.74401", "approve_lo":"35.09255", "disapprove_estimate":"54.26653", "disapprove _hi":"59.38912","disapprove_lo":"49.14394"},{"date":"2018-03-04","future":false,"s ubgroup":"All polls", "approve_estimate":"40.41828", "approve_hi":"45.74401", "approv e_lo":"35.09255","disapprove_estimate":"54.26653","disapprove_hi":"59.38912","disa pprove lo":"49.14394"},{"date":"2018-03-05","future":false,"subgroup":"All poll

s","approve_estimate":"40.38741","approve_hi":"45.67976","approve_lo":"35.0950 5", "disapprove_estimate": "54.30457", "disapprove_hi": "59.28853", "disapprove_lo": "4 9.32061"},{"date":"2018-03-06","future":false,"subgroup":"All polls","approve_esti mate":"40.47234", "approve_hi":"45.65884", "approve_lo":"35.28583", "disapprove_estim ate":"53.97641","disapprove_hi":"58.84018","disapprove_lo":"49.11264"},{"date":"20 18-03-07", "future": false, "subgroup": "All polls", "approve_estimate": "40.2174", "appr ove_hi": "45.06957", "approve_lo": "35.36523", "disapprove_estimate": "54.10192", "disap prove_hi":"58.72217","disapprove_lo":"49.48167"},{"date":"2018-03-08","future":fal se, "subgroup": "All polls", "approve estimate": "40.62883", "approve hi": "45.3099", "ap prove_lo":"35.94776","disapprove_estimate":"53.62344","disapprove_hi":"58.2890 7","disapprove_lo":"48.9578"},{"date":"2018-03-09","future":false,"subgroup":"All polls", "approve_estimate": "40.67968", "approve_hi": "45.20671", "approve_lo": "36.1526 5","disapprove_estimate":"53.42613","disapprove_hi":"57.97424","disapprove_lo":"4 8.87802"},{"date":"2018-03-10","future":false,"subgroup":"All polls","approve_esti mate":"40.67968", "approve_hi":"45.20671", "approve_lo":"36.15265", "disapprove_estim ate":"53.42613", "disapprove_hi":"57.97424", "disapprove_lo":"48.87802"}, {"date":"20 18-03-11", "future": false, "subgroup": "All polls", "approve_estimate": "40.67968", "app rove_hi":"45.20671","approve_lo":"36.15265","disapprove_estimate":"53.42613","disa pprove_hi":"57.97424","disapprove_lo":"48.87802"},{"date":"2018-03-12","future":fa lse, "subgroup": "All polls", "approve_estimate": "40.65869", "approve_hi": "45.1720 5", "approve_lo": "36.14533", "disapprove_estimate": "53.42641", "disapprove_hi": "57.93 153", "disapprove_lo": "48.92129"}, {"date": "2018-03-13", "future": false, "subgroup": "A 11 polls", "approve_estimate": "40.52831", "approve_hi": "45.02388", "approve_lo": "36.0 3274", "disapprove_estimate": "53.88568", "disapprove_hi": "58.26931", "disapprove_l o":"49.50204"},{"date":"2018-03-14","future":false,"subgroup":"All polls","approve _estimate":"40.42437","approve_hi":"44.93805","approve_lo":"35.91068","disapprove_ estimate":"53.99303","disapprove_hi":"58.3152","disapprove_lo":"49.67086"},{"dat e":"2018-03-15","future":false,"subgroup":"All polls","approve_estimate":"40.4629 6", "approve_hi": "44.89322", "approve_lo": "36.03271", "disapprove_estimate": "53.6560 2", "disapprove_hi": "57.8201", "disapprove_lo": "49.49195"}, { "date": "2018-03-16", "fut ure":false, "subgroup": "All polls", "approve_estimate": "40.24184", "approve_hi": "44.7 6358", "approve_lo": "35.7201", "disapprove_estimate": "53.87739", "disapprove_hi": "58. 09512", "disapprove_lo": "49.65967"}, { "date": "2018-03-17", "future": false, "subgrou p":"All polls", "approve_estimate":"40.24184", "approve_hi":"44.76358", "approve_l o":"35.7201","disapprove_estimate":"53.87739","disapprove_hi":"58.09512","disappro ve_lo":"49.65967"},{"date":"2018-03-18","future":false,"subgroup":"All polls","app rove_estimate":"40.5158","approve_hi":"44.98062","approve_lo":"36.05098","disappro ve_estimate":"53.84089","disapprove_hi":"57.9697","disapprove_lo":"49.71209"},{"da te":"2018-03-19","future":false,"subgroup":"All polls","approve_estimate":"40.7399 5", "approve_hi": "45.40366", "approve_lo": "36.07623", "disapprove_estimate": "53.5571 1", "disapprove_hi": "57.79469", "disapprove_lo": "49.31954"}, {"date": "2018-03-20", "fu ture":false, "subgroup": "All polls", "approve_estimate": "40.73125", "approve_hi": "45. 33642", "approve_lo": "36.12609", "disapprove_estimate": "53.52146", "disapprove_hi": "5 7.67319", "disapprove_lo": "49.36973"}, { "date": "2018-03-21", "future": false, "subgrou p":"All polls", "approve_estimate":"40.58772", "approve_hi":"45.12106", "approve_l o":"36.05438", "disapprove_estimate":"53.42529", "disapprove_hi":"57.36262", "disappr ove_lo":"49.48797"},{"date":"2018-03-22","future":false,"subgroup":"All polls","ap prove_estimate":"40.63551","approve_hi":"45.22917","approve_lo":"36.04184","disapp rove_estimate":"53.40972","disapprove_hi":"57.33537","disapprove_lo":"49.48407"}, {"date":"2018-03-23","future":false,"subgroup":"All polls","approve_estimate":"40. 67521", "approve_hi": "45.03477", "approve_lo": "36.31564", "disapprove_estimate": "53.1 8119", "disapprove_hi": "57.07043", "disapprove_lo": "49.29195"}, { "date": "2018-03-2 4", "future": false, "subgroup": "All polls", "approve_estimate": "40.41634", "approve_h i":"44.74879", "approve_lo":"36.0839", "disapprove_estimate":"53.52802", "disapprove_ hi":"57.52327","disapprove_lo":"49.53277"},{"date":"2018-03-25","future":false,"su bgroup": "All polls", "approve estimate": "40.74137", "approve hi": "45.14291", "approve

_lo":"36.33984","disapprove_estimate":"53.48326","disapprove_hi":"57.42796","disap prove_lo":"49.53856"},{"date":"2018-03-26","future":false,"subgroup":"All poll s", "approve_estimate": "41.09504", "approve_hi": "45.39022", "approve_lo": "36.7998 5", "disapprove_estimate": "53.39474", "disapprove_hi": "57.34246", "disapprove_lo": "4 9.44703"},{"date":"2018-03-27","future":false,"subgroup":"All polls","approve_esti mate":"40.46638", "approve_hi":"44.68826", "approve_lo":"36.2445", "disapprove_estima te":"53.6646", "disapprove_hi":"57.67343", "disapprove_lo":"49.65577"}, {"date":"2018 -03-28", "future": false, "subgroup": "All polls", "approve_estimate": "40.19111", "appro ve hi":"44.36089", "approve lo":"36.02133", "disapprove estimate": "53.63828", "disapp rove_hi":"57.76783","disapprove_lo":"49.50874"},{"date":"2018-03-29","future":fals e, "subgroup": "All polls", "approve_estimate": "40.21669", "approve_hi": "44.3978", "app rove_lo":"36.03558","disapprove_estimate":"53.6349","disapprove_hi":"57.7447","dis approve_lo":"49.5251"},{"date":"2018-03-30","future":false,"subgroup":"All poll s", "approve_estimate": "40.54322", "approve_hi": "44.73767", "approve_lo": "36.3487 8", "disapprove_estimate": "53.42228", "disapprove_hi": "57.44325", "disapprove_lo": "4 9.4013"},{"date":"2018-03-31","future":false,"subgroup":"All polls","approve_estim ate":"40.54322", "approve_hi":"44.73767", "approve_lo":"36.34878", "disapprove_estima te":"53.42228","disapprove_hi":"57.44325","disapprove_lo":"49.4013"},{"date":"2018 -04-01", "future": false, "subgroup": "All polls", "approve_estimate": "40.54322", "appro ve_hi":"44.73767","approve_lo":"36.34878","disapprove_estimate":"53.42228","disapp rove_hi":"57.44325","disapprove_lo":"49.4013"},{"date":"2018-04-02","future":fals e, "subgroup": "All polls", "approve_estimate": "40.62948", "approve_hi": "45.06592", "ap prove_lo":"36.19304","disapprove_estimate":"53.48064","disapprove_hi":"57.5640 9", "disapprove_lo": "49.39719"}, {"date": "2018-04-03", "future": false, "subgroup": "All polls", "approve_estimate": "40.39435", "approve_hi": "44.82014", "approve_lo": "35.9685 7", "disapprove_estimate": "53.6718", "disapprove_hi": "57.73872", "disapprove_lo": "49. 60488"},{"date":"2018-04-04","future":false,"subgroup":"All polls","approve_estima te":"40.30183", "approve_hi":"45.00934", "approve_lo":"35.59433", "disapprove_estimat e":"53.75499", "disapprove_hi":"57.90125", "disapprove_lo":"49.60874"}, {"date":"2018 -04-05", "future": false, "subgroup": "All polls", "approve_estimate": "40.22276", "appro ve_hi":"44.79292","approve_lo":"35.6526","disapprove_estimate":"53.80377","disappr ove_hi":"57.85802","disapprove_lo":"49.74953"},{"date":"2018-04-06","future":fals e, "subgroup": "All polls", "approve_estimate": "39.96867", "approve_hi": "44.67983", "ap prove_lo":"35.2575","disapprove_estimate":"53.99965","disapprove_hi":"58.11328","d isapprove_lo":"49.88602"},{"date":"2018-04-07","future":false,"subgroup":"All poll s", "approve_estimate": "39.96867", "approve_hi": "44.67983", "approve_lo": "35.2575", "d isapprove_estimate": "53.99965", "disapprove_hi": "58.11328", "disapprove_lo": "49.8860 2"},{"date":"2018-04-08","future":false,"subgroup":"All polls","approve_estimat e":"39.96867", "approve_hi":"44.67983", "approve_lo":"35.2575", "disapprove_estimat e":"53.99965", "disapprove_hi":"58.11328", "disapprove_lo":"49.88602"}, {"date":"2018 -04-09", "future": false, "subgroup": "All polls", "approve_estimate": "40.23806", "appro ve_hi":"45.03144","approve_lo":"35.44468","disapprove_estimate":"53.8853","disappr ove_hi":"58.19486","disapprove_lo":"49.57573"},{"date":"2018-04-10","future":fals e, "subgroup": "All polls", "approve_estimate": "40.60616", "approve_hi": "45.30262", "ap prove_lo":"35.90969","disapprove_estimate":"53.35361","disapprove_hi":"57.6387 3", "disapprove_lo": "49.06849"}, { "date": "2018-04-11", "future": false, "subgroup": "All polls", "approve_estimate": "40.6097", "approve_hi": "45.32001", "approve_lo": "35.8993 8", "disapprove_estimate": "53.29696", "disapprove_hi": "57.78765", "disapprove_lo": "4 8.80626"},{"date":"2018-04-12","future":false,"subgroup":"All polls","approve_esti mate":"40.63083", "approve hi":"45.3984", "approve lo":"35.86325", "disapprove estima te":"53.26645", "disapprove_hi":"57.69145", "disapprove_lo":"48.84146"}, {"date":"201 8-04-13", "future": false, "subgroup": "All polls", "approve_estimate": "40.77415", "appr ove_hi": "45.50312", "approve_lo": "36.04517", "disapprove_estimate": "53.20907", "disap prove_hi":"57.57654","disapprove_lo":"48.84159"},{"date":"2018-04-14","future":fal se, "subgroup": "All polls", "approve_estimate": "40.77415", "approve_hi": "45.50312", "a pprove lo": "36.04517", "disapprove estimate": "53.20907", "disapprove hi": "57.5765

4", "disapprove_lo": "48.84159"}, {"date": "2018-04-15", "future": false, "subgroup": "All polls", "approve_estimate": "40.59587", "approve_hi": "45.09284", "approve_lo": "36.0989 1", "disapprove_estimate": "53.78901", "disapprove_hi": "58.11352", "disapprove_lo": "4 9.4645"},{"date":"2018-04-16","future":false,"subgroup":"All polls","approve_estim ate":"40.70876", "approve_hi":"45.41038", "approve_lo":"36.00714", "disapprove_estima te":"53.57156", "disapprove_hi":"57.97384", "disapprove_lo":"49.16928"}, {"date":"201 8-04-17", "future": false, "subgroup": "All polls", "approve_estimate": "40.59293", "appr ove_hi":"45.18649","approve_lo":"35.99938","disapprove_estimate":"53.83203","disap prove_hi":"58.21732","disapprove_lo":"49.44674"},{"date":"2018-04-18","future":fal se, "subgroup": "All polls", "approve_estimate": "40.16125", "approve_hi": "44.84117", "a pprove_lo": "35.48133", "disapprove_estimate": "54.26796", "disapprove_hi": "58.4568 4", "disapprove_lo": "50.07909"}, {"date": "2018-04-19", "future": false, "subgroup": "All polls", "approve_estimate": "40.21317", "approve_hi": "44.87442", "approve_lo": "35.5519 2","disapprove_estimate":"54.22119","disapprove_hi":"58.32585","disapprove_lo":"5 0.11653"},{"date":"2018-04-20","future":false,"subgroup":"All polls","approve esti mate":"40.28197", "approve_hi":"44.93927", "approve_lo":"35.62468", "disapprove_estim ate":"54.28614","disapprove_hi":"58.5733","disapprove_lo":"49.99897"},{"date":"201 8-04-21", "future": false, "subgroup": "All polls", "approve_estimate": "40.28197", "appr ove_hi":"44.93927","approve_lo":"35.62468","disapprove_estimate":"54.28614","disap prove_hi":"58.5733","disapprove_lo":"49.99897"},{"date":"2018-04-22","future":fals e, "subgroup": "All polls", "approve_estimate": "40.28197", "approve_hi": "44.93927", "ap prove_lo":"35.62468","disapprove_estimate":"54.28614","disapprove_hi":"58.5733","d isapprove_lo":"49.99897"},{"date":"2018-04-23","future":false,"subgroup":"All poll s", "approve_estimate": "40.16019", "approve_hi": "44.8392", "approve_lo": "35.48119", "d isapprove_estimate":"54.26084","disapprove_hi":"58.52941","disapprove_lo":"49.9922 7"},{"date":"2018-04-24","future":false,"subgroup":"All polls","approve_estimat e":"40.34375", "approve_hi":"44.89376", "approve_lo":"35.79375", "disapprove_estimat e":"53.9503","disapprove_hi":"58.07297","disapprove_lo":"49.82763"},{"date":"2018-04-25", "future": false, "subgroup": "All polls", "approve_estimate": "40.51619", "approv e_hi":"45.10563","approve_lo":"35.92674","disapprove_estimate":"53.66458","disappr ove_hi":"57.81526","disapprove_lo":"49.5139"},{"date":"2018-04-26","future":fals e, "subgroup": "All polls", "approve_estimate": "40.59169", "approve_hi": "45.18468", "ap prove_lo":"35.99869","disapprove_estimate":"53.74832","disapprove_hi":"57.8217 4", "disapprove_lo": "49.6749"}, {"date": "2018-04-27", "future": false, "subgroup": "All polls", "approve_estimate": "40.59867", "approve_hi": "45.23362", "approve_lo": "35.9637 3", "disapprove_estimate": "53.73807", "disapprove_hi": "57.81954", "disapprove_lo": "4 9.6566"},{"date":"2018-04-28","future":false,"subgroup":"All polls","approve_estim ate":"40.37253", "approve_hi":"44.99648", "approve_lo":"35.74857", "disapprove_estima te":"53.95501","disapprove_hi":"58.05793","disapprove_lo":"49.85208"},{"date":"201 8-04-29", "future": false, "subgroup": "All polls", "approve_estimate": "40.37253", "appr ove_hi":"44.99648","approve_lo":"35.74857","disapprove_estimate":"53.95501","disap prove_hi":"58.05793","disapprove_lo":"49.85208"},{"date":"2018-04-30","future":fal se, "subgroup": "All polls", "approve_estimate": "40.64146", "approve_hi": "45.26828", "a pprove_lo":"36.01463","disapprove_estimate":"53.66854","disapprove_hi":"57.7533 8", "disapprove_lo": "49.58371"}, {"date": "2018-05-01", "future": false, "subgroup": "All polls", "approve_estimate": "41.21312", "approve_hi": "45.61552", "approve_lo": "36.8107 3", "disapprove_estimate": "52.94305", "disapprove_hi": "57.03444", "disapprove_lo": "4 8.85167"},{"date":"2018-05-02","future":false,"subgroup":"All polls","approve_esti mate":"41.15172", "approve_hi":"45.58456", "approve_lo":"36.71887", "disapprove_estim ate":"52.91795", "disapprove_hi":"57.06516", "disapprove_lo":"48.77075"}, {"date":"20 18-05-03", "future": false, "subgroup": "All polls", "approve_estimate": "41.31839", "app rove_hi":"45.84707", "approve_lo":"36.7897", "disapprove_estimate":"52.53112", "disap prove_hi":"56.56741","disapprove_lo":"48.49483"},{"date":"2018-05-04","future":fal se, "subgroup": "All polls", "approve_estimate": "41.41713", "approve_hi": "46.11049", "a pprove_lo":"36.72378","disapprove_estimate":"52.48483","disapprove_hi":"56.5578 5", "disapprove lo": "48.41181" }, { "date": "2018-05-05", "future": false, "subgroup": "All

polls", "approve_estimate": "42.0897", "approve_hi": "47.08581", "approve_lo": "37.0935 9", "disapprove_estimate": "52.03342", "disapprove_hi": "56.22984", "disapprove_lo": "4 7.83699"},{"date":"2018-05-06","future":false,"subgroup":"All polls","approve_esti mate":"42.0897", "approve_hi":"47.08581", "approve_lo":"37.09359", "disapprove_estima te":"52.03342","disapprove_hi":"56.22984","disapprove_lo":"47.83699"},{"date":"201 8-05-07", "future": false, "subgroup": "All polls", "approve_estimate": "42.01726", "appr ove_hi": "46.85077", "approve_lo": "37.18374", "disapprove_estimate": "51.94051", "disap prove_hi": "56.04368", "disapprove_lo": "47.83735"}, {"date": "2018-05-08", "future": fal se, "subgroup": "All polls", "approve estimate": "41.90759", "approve hi": "46.5938", "ap prove_lo":"37.22139","disapprove_estimate":"52.25288","disapprove_hi":"56.2757 6", "disapprove_lo": "48.23"}, { "date": "2018-05-09", "future": false, "subgroup": "All po lls", "approve_estimate": "41.8737", "approve_hi": "46.47055", "approve_lo": "37.2768 6", "disapprove_estimate": "51.90628", "disapprove_hi": "56.46203", "disapprove_lo": "4 7.35053"},{"date":"2018-05-10","future":false,"subgroup":"All polls","approve_esti mate":"41.96571", "approve_hi":"46.42638", "approve_lo":"37.50503", "disapprove_estim ate":"52.03023", "disapprove_hi":"56.47843", "disapprove_lo":"47.58202"}, {"date":"20 18-05-11", "future": false, "subgroup": "All polls", "approve_estimate": "42.02566", "app rove_hi":"46.59457","approve_lo":"37.45675","disapprove_estimate":"51.97548","disa pprove_hi":"56.48686","disapprove_lo":"47.4641"},{"date":"2018-05-12","future":fal se, "subgroup": "All polls", "approve_estimate": "42.12308", "approve_hi": "46.61304", "a pprove_lo":"37.63313","disapprove_estimate":"52.04174","disapprove_hi":"56.4920 6", "disapprove_lo": "47.59143"}, {"date": "2018-05-13", "future": false, "subgroup": "All polls", "approve_estimate": "42.12308", "approve_hi": "46.61304", "approve_lo": "37.6331 3", "disapprove_estimate": "52.04174", "disapprove_hi": "56.49206", "disapprove_lo": "4 7.59143"},{"date":"2018-05-14","future":false,"subgroup":"All polls","approve_esti mate":"42.09991", "approve_hi":"46.59303", "approve_lo":"37.60678", "disapprove_estim ate":"52.39321","disapprove_hi":"56.30078","disapprove_lo":"48.48564"},{"date":"20 18-05-15", "future": false, "subgroup": "All polls", "approve_estimate": "42.32984", "app rove_hi":"46.77917","approve_lo":"37.88051","disapprove_estimate":"52.35731","disa pprove_hi":"56.17436","disapprove_lo":"48.54026"},{"date":"2018-05-16","future":fa lse, "subgroup": "All polls", "approve_estimate": "42.14801", "approve_hi": "46.6746", "a pprove_lo":"37.62143","disapprove_estimate":"52.41426","disapprove_hi":"56.2226 2","disapprove_lo":"48.6059"},{"date":"2018-05-17","future":false,"subgroup":"All polls", "approve_estimate": "42.26259", "approve_hi": "46.84184", "approve_lo": "37.6833 3", "disapprove_estimate": "52.27131", "disapprove_hi": "56.0258", "disapprove_lo": "48. 51682"},{"date":"2018-05-18","future":false,"subgroup":"All polls","approve_estima te":"42.38191", "approve_hi":"47.02366", "approve_lo":"37.74016", "disapprove_estimat e":"52.34803", "disapprove_hi":"56.14386", "disapprove_lo":"48.55221"}, { "date":"2018 -05-19", "future": false, "subgroup": "All polls", "approve_estimate": "42.38191", "appro ve_hi":"47.02366","approve_lo":"37.74016","disapprove_estimate":"52.34803","disapp rove_hi":"56.14386","disapprove_lo":"48.55221"},{"date":"2018-05-20","future":fals e, "subgroup": "All polls", "approve_estimate": "42.38191", "approve_hi": "47.02366", "ap prove_lo":"37.74016","disapprove_estimate":"52.34803","disapprove_hi":"56.1438 6", "disapprove_lo": "48.55221"}, {"date": "2018-05-21", "future": false, "subgroup": "All polls", "approve_estimate": "42.01738", "approve_hi": "46.76234", "approve_lo": "37.2724 2","disapprove_estimate":"52.68593","disapprove_hi":"56.84747","disapprove_lo":"4 8.52439"},{"date":"2018-05-22","future":false,"subgroup":"All polls","approve_esti mate":"42.2518", "approve_hi":"47.08882", "approve_lo":"37.41478", "disapprove_estima te":"52.59256","disapprove_hi":"56.75544","disapprove_lo":"48.42968"},{"date":"201 8-05-23", "future": false, "subgroup": "All polls", "approve_estimate": "42.15873", "appr ove_hi":"47.17198","approve_lo":"37.14547","disapprove_estimate":"52.63732","disap prove_hi":"56.82398","disapprove_lo":"48.45066"},{"date":"2018-05-24","future":fal se, "subgroup": "All polls", "approve_estimate": "42.22643", "approve_hi": "47.19799", "a pprove_lo":"37.25487","disapprove_estimate":"52.69279","disapprove_hi":"56.8639 7","disapprove_lo":"48.52161"},{"date":"2018-05-25","future":false,"subgroup":"All polls", "approve estimate": "42.25806", "approve hi": "47.25497", "approve lo": "37.2611

5","disapprove_estimate":"52.62941","disapprove_hi":"56.86843","disapprove_lo":"4 8.3904"},{"date":"2018-05-26","future":false,"subgroup":"All polls","approve_estim ate":"42.70038", "approve_hi":"47.60936", "approve_lo":"37.7914", "disapprove_estimat e":"52.33014", "disapprove_hi":"56.44835", "disapprove_lo":"48.21194"}, {"date":"2018 -05-27", "future": false, "subgroup": "All polls", "approve_estimate": "42.70038", "appro ve_hi":"47.60936","approve_lo":"37.7914","disapprove_estimate":"52.33014","disappr ove_hi":"56.44835","disapprove_lo":"48.21194"},{"date":"2018-05-28","future":fals e,"subgroup":"All polls","approve_estimate":"42.58736","approve_hi":"47.59115","ap prove_lo":"37.58356","disapprove_estimate":"52.37592","disapprove_hi":"56.5512 3", "disapprove_lo": "48.2006"}, {"date": "2018-05-29", "future": false, "subgroup": "All polls", "approve_estimate": "42.40171", "approve_hi": "47.43848", "approve_lo": "37.3649 4", "disapprove_estimate": "52.54118", "disapprove_hi": "56.67525", "disapprove_lo": "4 8.4071"},{"date":"2018-05-30","future":false,"subgroup":"All polls","approve_estim ate":"42.29955", "approve_hi":"47.36211", "approve_lo":"37.23699", "disapprove_estima te":"52.50706", "disapprove_hi":"56.68705", "disapprove_lo":"48.32707"}, {"date":"201 8-05-31", "future": false, "subgroup": "All polls", "approve_estimate": "41.64616", "appr ove_hi": "46.65631", "approve_lo": "36.63602", "disapprove_estimate": "52.86674", "disap prove_hi":"57.08433","disapprove_lo":"48.64916"},{"date":"2018-06-01","future":fal se, "subgroup": "All polls", "approve_estimate": "41.61631", "approve_hi": "46.76508", "a pprove_lo":"36.46754","disapprove_estimate":"52.77813","disapprove_hi":"57.0971 1", "disapprove_lo": "48.45916"}, { "date": "2018-06-02", "future": false, "subgroup": "All polls", "approve_estimate": "41.60918", "approve_hi": "46.61685", "approve_lo": "36.6015 2","disapprove_estimate":"52.67281","disapprove_hi":"56.82168","disapprove_lo":"4 8.52394"},{"date":"2018-06-03","future":false,"subgroup":"All polls","approve_esti mate":"41.60918", "approve_hi":"46.61685", "approve_lo":"36.60152", "disapprove_estim ate":"52.67281", "disapprove_hi":"56.82168", "disapprove_lo":"48.52394"}, {"date":"20 18-06-04", "future": false, "subgroup": "All polls", "approve_estimate": "41.60794", "app rove_hi":"46.52142","approve_lo":"36.69447","disapprove_estimate":"52.91071","disa pprove_hi":"57.37832","disapprove_lo":"48.44309"},{"date":"2018-06-05","future":fa lse, "subgroup": "All polls", "approve_estimate": "41.41488", "approve_hi": "46.3060 7","approve_lo":"36.52369","disapprove_estimate":"52.99069","disapprove_hi":"57.44 323", "disapprove_lo": "48.53815"}, {"date": "2018-06-06", "future": false, "subgroup": "A 11 polls", "approve_estimate": "41.31416", "approve_hi": "46.17619", "approve_lo": "36.4 5213", "disapprove_estimate": "52.56133", "disapprove_hi": "56.82624", "disapprove_l o":"48.29643"},{"date":"2018-06-07","future":false,"subgroup":"All polls","approve _estimate":"41.86653","approve_hi":"46.54569","approve_lo":"37.18737","disapprove_ estimate":"52.44299","disapprove_hi":"56.46883","disapprove_lo":"48.41714"},{"dat e":"2018-06-08","future":false,"subgroup":"All polls","approve_estimate":"41.7763 4", "approve_hi": "46.39867", "approve_lo": "37.15401", "disapprove_estimate": "52.5376 4", "disapprove_hi": "56.49903", "disapprove_lo": "48.57626"}, {"date": "2018-06-09", "fu ture":false, "subgroup": "All polls", "approve_estimate": "41.62884", "approve_hi": "46. 30679", "approve_lo": "36.9509", "disapprove_estimate": "52.64178", "disapprove_hi": "5 6.67327", "disapprove_lo": "48.6103"}, { "date": "2018-06-10", "future": false, "subgrou p":"All polls", "approve_estimate": "41.62884", "approve_hi": "46.30679", "approve_l o":"36.9509","disapprove_estimate":"52.64178","disapprove_hi":"56.67327","disappro ve_lo":"48.6103"},{"date":"2018-06-11","future":false,"subgroup":"All polls","appr ove_estimate":"41.50231","approve_hi":"46.31091","approve_lo":"36.69371","disappro ve_estimate":"52.72633","disapprove_hi":"56.68168","disapprove_lo":"48.77098"},{"d ate":"2018-06-12","future":false,"subgroup":"All polls","approve_estimate":"41.564 27", "approve_hi": "46.3984", "approve_lo": "36.73013", "disapprove_estimate": "52.5885 1", "disapprove_hi": "56.49155", "disapprove_lo": "48.68547"}, {"date": "2018-06-13", "fu ture":false, "subgroup": "All polls", "approve_estimate": "41.43065", "approve_hi": "46. 30013", "approve_lo": "36.56116", "disapprove_estimate": "52.53515", "disapprove_hi": "5 6.54513", "disapprove_lo": "48.52517"}, { "date": "2018-06-14", "future": false, "subgrou p":"All polls", "approve_estimate":"41.79745", "approve_hi":"46.55552", "approve_l o":"37.03938", "disapprove estimate":"51.69241", "disapprove hi":"56.25591", "disappr

ove_lo":"47.1289"},{"date":"2018-06-15","future":false,"subgroup":"All polls","app rove_estimate":"42.0946","approve_hi":"46.51889","approve_lo":"37.67031","disappro ve_estimate":"51.81807","disapprove_hi":"56.27021","disapprove_lo":"47.36592"},{"d ate":"2018-06-16", "future":false, "subgroup": "All polls", "approve_estimate": "42.094 6", "approve_hi": "46.51889", "approve_lo": "37.67031", "disapprove_estimate": "51.8180 7", "disapprove_hi": "56.27021", "disapprove_lo": "47.36592"}, {"date": "2018-06-17", "fu ture":false, "subgroup": "All polls", "approve_estimate": "42.0946", "approve_hi": "46.5 1889", "approve_lo": "37.67031", "disapprove_estimate": "51.81807", "disapprove_hi": "5 6.27021", "disapprove lo": "47.36592"}, { "date": "2018-06-18", "future": false, "subgrou p":"All polls","approve_estimate":"42.23578","approve_hi":"46.58569","approve_l o":"37.88587", "disapprove_estimate":"51.61955", "disapprove_hi":"55.84455", "disappr ove_lo":"47.39454"},{"date":"2018-06-19","future":false,"subgroup":"All polls","ap prove_estimate":"42.30142","approve_hi":"46.61792","approve_lo":"37.98492","disapp rove_estimate":"51.53254","disapprove_hi":"55.69429","disapprove_lo":"47.37078"}, {"date":"2018-06-20","future":false,"subgroup":"All polls","approve_estimate":"42. 51168", "approve_hi": "46.68581", "approve_lo": "38.33755", "disapprove_estimate": "51.4 082", "disapprove_hi": "55.64787", "disapprove_lo": "47.16853"}, {"date": "2018-06-2 1", "future": false, "subgroup": "All polls", "approve_estimate": "42.56531", "approve_h i":"46.77895", "approve_lo":"38.35168", "disapprove_estimate":"51.34674", "disapprove _hi":"55.51594","disapprove_lo":"47.17755"},{"date":"2018-06-22","future":false,"s ubgroup": "All polls", "approve_estimate": "42.37092", "approve_hi": "46.59599", "approv e_lo":"38.14586","disapprove_estimate":"51.61048","disapprove_hi":"55.84713","disa pprove_lo":"47.37384"},{"date":"2018-06-23","future":false,"subgroup":"All poll s", "approve_estimate": "42.37092", "approve_hi": "46.59599", "approve_lo": "38.1458 6", "disapprove_estimate": "51.61048", "disapprove_hi": "55.84713", "disapprove_lo": "4 7.37384"},{"date":"2018-06-24","future":false,"subgroup":"All polls","approve_esti mate":"42.49755", "approve_hi":"46.72841", "approve_lo":"38.26668", "disapprove_estim ate":"51.60103", "disapprove_hi":"55.87486", "disapprove_lo":"47.32721"}, { "date":"20 18-06-25", "future": false, "subgroup": "All polls", "approve_estimate": "42.29508", "app rove_hi":"46.51989","approve_lo":"38.07027","disapprove_estimate":"51.5812","disap prove_hi":"55.96755","disapprove_lo":"47.19484"},{"date":"2018-06-26","future":fal se, "subgroup": "All polls", "approve_estimate": "42.19255", "approve_hi": "46.28198", "a pprove_lo":"38.10311","disapprove_estimate":"51.68388","disapprove_hi":"55.9116 8", "disapprove_lo": "47.45608"}, {"date": "2018-06-27", "future": false, "subgroup": "All polls", "approve_estimate": "41.87872", "approve_hi": "46.20515", "approve_lo": "37.5522 8", "disapprove_estimate": "52.31686", "disapprove_hi": "56.48262", "disapprove_lo": "4 8.1511"},{"date":"2018-06-28","future":false,"subgroup":"All polls","approve_estim ate":"41.89148", "approve_hi":"46.1884", "approve_lo":"37.59455", "disapprove_estimat e":"52.20862","disapprove_hi":"56.31969","disapprove_lo":"48.09754"},{"date":"2018 -06-29", "future": false, "subgroup": "All polls", "approve_estimate": "41.75614", "appro ve_hi":"46.15191","approve_lo":"37.36037","disapprove_estimate":"52.33812","disapp rove_hi":"56.46857","disapprove_lo":"48.20767"},{"date":"2018-06-30","future":fals e, "subgroup": "All polls", "approve_estimate": "41.75614", "approve_hi": "46.15191", "ap prove_lo":"37.36037","disapprove_estimate":"52.33812","disapprove_hi":"56.4685 7","disapprove_lo":"48.20767"},{"date":"2018-07-01","future":false,"subgroup":"All polls", "approve_estimate": "41.79801", "approve_hi": "46.21166", "approve_lo": "37.3843 6", "disapprove_estimate": "52.26242", "disapprove_hi": "56.48154", "disapprove_lo": "4 8.0433"},{"date":"2018-07-02","future":false,"subgroup":"All polls","approve_estim ate":"42.00296", "approve_hi":"46.33168", "approve_lo":"37.67424", "disapprove_estima te":"52.19925", "disapprove_hi":"56.27758", "disapprove_lo":"48.12093"}, {"date":"201 8-07-03", "future": false, "subgroup": "All polls", "approve_estimate": "41.83677", "appr ove_hi":"46.12439","approve_lo":"37.54916","disapprove_estimate":"52.58812","disap prove_hi":"56.61605","disapprove_lo":"48.56019"},{"date":"2018-07-04","future":fal se, "subgroup": "All polls", "approve_estimate": "41.83677", "approve_hi": "46.12439", "a pprove_lo":"37.54916","disapprove_estimate":"52.58812","disapprove_hi":"56.6160 5", "disapprove lo": "48.56019" }, { "date": "2018-07-05", "future": false, "subgroup": "All

polls", "approve_estimate": "41.8582", "approve_hi": "46.1394", "approve_lo": "37.57 7", "disapprove_estimate": "52.66431", "disapprove_hi": "56.72284", "disapprove_lo": "4 8.60578"},{"date":"2018-07-06","future":false,"subgroup":"All polls","approve_esti mate":"42.24339", "approve_hi":"46.35221", "approve_lo":"38.13456", "disapprove_estim ate":"52.88004","disapprove_hi":"56.82691","disapprove_lo":"48.93316"},{"date":"20 18-07-07", "future": false, "subgroup": "All polls", "approve_estimate": "42.24339", "app rove_hi":"46.35221","approve_lo":"38.13456","disapprove_estimate":"52.88004","disa pprove_hi":"56.82691","disapprove_lo":"48.93316"},{"date":"2018-07-08","future":fa lse, "subgroup": "All polls", "approve estimate": "42.20303", "approve hi": "46.3571 9","approve_lo":"38.04887","disapprove_estimate":"52.9597","disapprove_hi":"56.933 79", "disapprove_lo": "48.9856"}, {"date": "2018-07-09", "future": false, "subgroup": "All polls", "approve_estimate": "42.13817", "approve_hi": "46.18277", "approve_lo": "38.0935 7", "disapprove_estimate": "52.8242", "disapprove_hi": "56.90196", "disapprove_lo": "48. 74644"},{"date":"2018-07-10","future":false,"subgroup":"All polls","approve_estima te":"41.86861", "approve_hi":"46.04809", "approve_lo":"37.68913", "disapprove_estimat e":"52.97057", "disapprove_hi":"57.37045", "disapprove_lo":"48.5707"}, {"date":"2018-07-11", "future": false, "subgroup": "All polls", "approve_estimate": "41.96289", "approv e_hi":"46.18044","approve_lo":"37.74535","disapprove_estimate":"52.88639","disappr ove_hi":"57.33141","disapprove_lo":"48.44138"},{"date":"2018-07-12","future":fals e,"subgroup":"All polls","approve_estimate":"42.28969","approve_hi":"46.53057","ap prove_lo":"38.04882","disapprove_estimate":"52.74878","disapprove_hi":"57.0665 3", "disapprove_lo": "48.43102"}, { "date": "2018-07-13", "future": false, "subgroup": "All polls", "approve_estimate": "42.06443", "approve_hi": "46.43061", "approve_lo": "37.6982 6", "disapprove_estimate": "52.90168", "disapprove_hi": "57.25216", "disapprove_lo": "4 8.55121"},{"date":"2018-07-14","future":false,"subgroup":"All polls","approve_esti mate":"42.03181","approve_hi":"46.4673","approve_lo":"37.59631","disapprove_estima te":"53.00668","disapprove_hi":"57.32888","disapprove_lo":"48.68449"},{"date":"201 8-07-15", "future": false, "subgroup": "All polls", "approve_estimate": "42.03181", "appr ove_hi":"46.4673","approve_lo":"37.59631","disapprove_estimate":"53.00668","disapp rove_hi":"57.32888","disapprove_lo":"48.68449"},{"date":"2018-07-16","future":fals e, "subgroup": "All polls", "approve_estimate": "42.12241", "approve_hi": "46.46276", "ap prove_lo":"37.78205","disapprove_estimate":"52.81279","disapprove_hi":"57.0606","d isapprove_lo":"48.56497"},{"date":"2018-07-17","future":false,"subgroup":"All poll s", "approve_estimate": "42.0509", "approve_hi": "46.38557", "approve_lo": "37.71623", "d isapprove_estimate": "52.66814", "disapprove_hi": "56.79207", "disapprove_lo": "48.5442 2"},{"date":"2018-07-18","future":false,"subgroup":"All polls","approve_estimat e":"41.76017", "approve_hi":"46.00286", "approve_lo":"37.51748", "disapprove_estimat e":"52.83702","disapprove_hi":"56.85295","disapprove_lo":"48.82109"},{"date":"2018 -07-19", "future": false, "subgroup": "All polls", "approve_estimate": "41.78589", "appro ve_hi":"46.02142", "approve_lo":"37.55037", "disapprove_estimate":"52.8283", "disappr ove_hi":"56.86538","disapprove_lo":"48.79122"},{"date":"2018-07-20","future":fals e, "subgroup": "All polls", "approve_estimate": "41.78527", "approve_hi": "45.8685", "app rove_lo":"37.70205","disapprove_estimate":"52.74246","disapprove_hi":"56.69585","d isapprove_lo":"48.78907"},{"date":"2018-07-21","future":false,"subgroup":"All poll s", "approve_estimate": "41.71679", "approve_hi": "45.89406", "approve_lo": "37.5395 1", "disapprove_estimate": "52.87256", "disapprove_hi": "56.82685", "disapprove_lo": "4 8.91827"},{"date":"2018-07-22","future":false,"subgroup":"All polls","approve_esti mate":"41.9939", "approve_hi":"46.1358", "approve_lo":"37.852", "disapprove_estimat e":"52.81791", "disapprove_hi":"56.65421", "disapprove_lo":"48.98162"}, {"date":"2018 -07-23", "future": false, "subgroup": "All polls", "approve_estimate": "41.7831", "approv e_hi":"46.14866","approve_lo":"37.41755","disapprove_estimate":"52.85764","disappr ove_hi":"56.82973","disapprove_lo":"48.88554"},{"date":"2018-07-24","future":fals e, "subgroup": "All polls", "approve_estimate": "41.37473", "approve_hi": "45.82309", "ap prove_lo":"36.92637","disapprove_estimate":"53.35511","disapprove_hi":"57.5833 2","disapprove_lo":"49.1269"},{"date":"2018-07-25","future":false,"subgroup":"All polls", "approve_estimate": "41.33853", "approve_hi": "45.92127", "approve_lo": "36.7557

9", "disapprove_estimate": "53.03458", "disapprove_hi": "57.10687", "disapprove_lo": "4 8.96228"},{"date":"2018-07-26","future":false,"subgroup":"All polls","approve_esti mate":"41.2835", "approve_hi":"45.87322", "approve_lo":"36.69377", "disapprove_estima te":"53.02335", "disapprove_hi":"57.12493", "disapprove_lo":"48.92177"}, {"date":"201 8-07-27", "future": false, "subgroup": "All polls", "approve_estimate": "41.47915", "appr ove_hi": "46.0482", "approve_lo": "36.9101", "disapprove_estimate": "52.99194", "disappr ove_hi":"57.07386","disapprove_lo":"48.91003"},{"date":"2018-07-28","future":fals e, "subgroup": "All polls", "approve_estimate": "41.47915", "approve_hi": "46.0482", "app rove lo":"36.9101","disapprove_estimate":"52.99194","disapprove_hi":"57.07386","di sapprove_lo":"48.91003"},{"date":"2018-07-29","future":false,"subgroup":"All poll s", "approve_estimate": "41.20658", "approve_hi": "45.71047", "approve_lo": "36.7026 9", "disapprove_estimate": "53.16719", "disapprove_hi": "57.28348", "disapprove_lo": "4 9.0509"},{"date":"2018-07-30","future":false,"subgroup":"All polls","approve_estim ate":"41.30453", "approve_hi":"45.85395", "approve_lo":"36.75511", "disapprove_estima te":"52.9963", "disapprove_hi":"57.16774", "disapprove_lo":"48.82485"}, {"date":"2018 -07-31", "future": false, "subgroup": "All polls", "approve_estimate": "41.41338", "appro ve_hi":"45.94133","approve_lo":"36.88542","disapprove_estimate":"52.85781","disapp rove_hi":"56.97475","disapprove_lo":"48.74087"},{"date":"2018-08-01","future":fals e, "subgroup": "All polls", "approve_estimate": "41.299", "approve_hi": "45.83247", "appr ove_lo":"36.76554","disapprove_estimate":"52.90955","disapprove_hi":"56.95158","di sapprove_lo":"48.86752"},{"date":"2018-08-02","future":false,"subgroup":"All poll s", "approve_estimate": "41.43415", "approve_hi": "46.1654", "approve_lo": "36.7029", "di sapprove_estimate":"52.81184","disapprove_hi":"56.91388","disapprove_lo":"48.7097 9"},{"date":"2018-08-03","future":false,"subgroup":"All polls","approve_estimat e":"41.43453", "approve_hi":"46.00422", "approve_lo":"36.86484", "disapprove_estimat e":"52.80482", "disapprove_hi":"56.81874", "disapprove_lo":"48.7909"}, {"date":"2018-08-04", "future": false, "subgroup": "All polls", "approve_estimate": "41.43453", "approv e_hi":"46.00422","approve_lo":"36.86484","disapprove_estimate":"52.80482","disappr ove_hi":"56.81874","disapprove_lo":"48.7909"},{"date":"2018-08-05","future":fals e, "subgroup": "All polls", "approve_estimate": "41.43453", "approve_hi": "46.00422", "ap prove_lo":"36.86484","disapprove_estimate":"52.80482","disapprove_hi":"56.8187 4","disapprove_lo":"48.7909"},{"date":"2018-08-06","future":false,"subgroup":"All polls", "approve_estimate": "41.46711", "approve_hi": "45.94934", "approve_lo": "36.9848 9", "disapprove_estimate": "52.72193", "disapprove_hi": "56.67247", "disapprove_lo": "4 8.77139"},{"date":"2018-08-07","future":false,"subgroup":"All polls","approve_esti mate":"41.45063", "approve_hi":"45.93062", "approve_lo":"36.97063", "disapprove_estim ate":"52.666","disapprove_hi":"56.54337","disapprove_lo":"48.78864"},{"date":"2018 -08-08", "future": false, "subgroup": "All polls", "approve_estimate": "41.71214", "appro ve_hi":"46.53821","approve_lo":"36.88606","disapprove_estimate":"52.45969","disapp rove_hi":"56.34184","disapprove_lo":"48.57755"},{"date":"2018-08-09","future":fals e, "subgroup": "All polls", "approve_estimate": "41.91957", "approve_hi": "46.70918", "ap prove_lo":"37.12997","disapprove_estimate":"52.39185","disapprove_hi":"56.2012 8","disapprove_lo":"48.58242"},{"date":"2018-08-10","future":false,"subgroup":"All polls", "approve_estimate": "41.9125", "approve_hi": "46.61459", "approve_lo": "37.2104 1", "disapprove_estimate": "52.49004", "disapprove_hi": "56.29051", "disapprove_lo": "4 8.68956"},{"date":"2018-08-11","future":false,"subgroup":"All polls","approve_esti mate":"41.9125", "approve_hi":"46.61459", "approve_lo":"37.21041", "disapprove_estima te":"52.49004","disapprove_hi":"56.29051","disapprove_lo":"48.68956"},{"date":"201 8-08-12", "future": false, "subgroup": "All polls", "approve_estimate": "41.9125", "appro ve_hi":"46.61459","approve_lo":"37.21041","disapprove_estimate":"52.49004","disapp rove_hi":"56.29051","disapprove_lo":"48.68956"},{"date":"2018-08-13","future":fals e, "subgroup": "All polls", "approve_estimate": "41.81873", "approve_hi": "46.69872", "ap prove_lo":"36.93874","disapprove_estimate":"52.54657","disapprove_hi":"56.5462 4","disapprove_lo":"48.5469"},{"date":"2018-08-14","future":false,"subgroup":"All polls", "approve_estimate": "42.20527", "approve_hi": "46.87489", "approve_lo": "37.5356 5", "disapprove estimate": "52.3893", "disapprove hi": "56.19791", "disapprove lo": "48.

58068"},{"date":"2018-08-15","future":false,"subgroup":"All polls","approve_estima te":"42.05485","approve_hi":"46.64181","approve_lo":"37.4679","disapprove_estimat e":"52.44334","disapprove_hi":"56.32794","disapprove_lo":"48.55873"},{"date":"2018 -08-16", "future": false, "subgroup": "All polls", "approve_estimate": "42.11238", "appro ve_hi":"46.73094","approve_lo":"37.49383","disapprove_estimate":"52.43953","disapp rove_hi":"56.30505","disapprove_lo":"48.57401"},{"date":"2018-08-17","future":fals e, "subgroup": "All polls", "approve_estimate": "41.97367", "approve_hi": "46.67137", "ap prove_lo":"37.27598","disapprove_estimate":"52.54111","disapprove_hi":"56.3772 5", "disapprove lo": "48.70497" }, { "date": "2018-08-18", "future": false, "subgroup": "All polls", "approve_estimate": "41.97367", "approve_hi": "46.67137", "approve_lo": "37.2759 8", "disapprove_estimate": "52.54111", "disapprove_hi": "56.37725", "disapprove_lo": "4 8.70497"},{"date":"2018-08-19","future":false,"subgroup":"All polls","approve_esti mate":"41.97367","approve_hi":"46.67137","approve_lo":"37.27598","disapprove_estim ate":"52.54111","disapprove_hi":"56.37725","disapprove_lo":"48.70497"},{"date":"20 18-08-20", "future": false, "subgroup": "All polls", "approve_estimate": "42.2604", "appr ove_hi": "46.75235", "approve_lo": "37.76846", "disapprove_estimate": "52.33932", "disap prove_hi":"56.08208","disapprove_lo":"48.59655"},{"date":"2018-08-21","future":fal se, "subgroup": "All polls", "approve_estimate": "41.77507", "approve_hi": "46.53458", "a pprove_lo":"37.01555","disapprove_estimate":"52.78539","disapprove_hi":"57.1304 8","disapprove_lo":"48.44031"},{"date":"2018-08-22","future":false,"subgroup":"All polls", "approve_estimate": "42.12536", "approve_hi": "46.74831", "approve_lo": "37.5024 1", "disapprove_estimate": "52.91469", "disapprove_hi": "56.96156", "disapprove_lo": "4 8.86782"},{"date":"2018-08-23","future":false,"subgroup":"All polls","approve_esti mate":"42.08969", "approve_hi":"46.66219", "approve_lo":"37.51719", "disapprove_estim ate":"52.9692","disapprove_hi":"57.15947","disapprove_lo":"48.77893"},{"date":"201 8-08-24", "future": false, "subgroup": "All polls", "approve_estimate": "41.46597", "appr ove_hi":"46.13843","approve_lo":"36.79351","disapprove_estimate":"53.56819","disap prove_hi": "58.06449", "disapprove_lo": "49.07189"}, { "date": "2018-08-25", "future": fal se, "subgroup": "All polls", "approve_estimate": "41.46597", "approve_hi": "46.13843", "a pprove_lo":"36.79351","disapprove_estimate":"53.56819","disapprove_hi":"58.0644 9","disapprove_lo":"49.07189"},{"date":"2018-08-26","future":false,"subgroup":"All polls", "approve_estimate": "41.88652", "approve_hi": "46.49792", "approve_lo": "37.2751 2", "disapprove_estimate": "53.37158", "disapprove_hi": "57.76162", "disapprove_lo": "4 8.98154"},{"date":"2018-08-27","future":false,"subgroup":"All polls","approve_esti mate":"41.86845", "approve_hi":"46.37929", "approve_lo":"37.3576", "disapprove_estima te":"53.38425","disapprove_hi":"57.66917","disapprove_lo":"49.09934"},{"date":"201 8-08-28", "future": false, "subgroup": "All polls", "approve_estimate": "41.37738", "appr ove_hi":"46.05987","approve_lo":"36.69488","disapprove_estimate":"53.63121","disap prove_hi":"57.89977","disapprove_lo":"49.36264"},{"date":"2018-08-29","future":fal se, "subgroup": "All polls", "approve_estimate": "41.44618", "approve_hi": "46.24567", "a pprove_lo":"36.64668","disapprove_estimate":"53.62854","disapprove_hi":"57.92157"," -30", "future": false, "subgroup": "All polls", "approve_estimate": "41.50489", "approve_ hi":"46.33142", "approve_lo":"36.67836", "disapprove_estimate":"53.53966", "disapprov e_hi":"57.83444","disapprove_lo":"49.24488"},{"date":"2018-08-31","future":fals e, "subgroup": "All polls", "approve_estimate": "40.25376", "approve_hi": "45.50109", "ap prove_lo":"35.00642","disapprove_estimate":"54.46505","disapprove_hi":"59.1483 9","disapprove_lo":"49.7817"},{"date":"2018-09-01","future":false,"subgroup":"All polls", "approve_estimate": "40.25376", "approve_hi": "45.50109", "approve_lo": "35.0064 2", "disapprove_estimate": "54.46505", "disapprove_hi": "59.14839", "disapprove_lo": "4 9.7817"},{"date":"2018-09-02","future":false,"subgroup":"All polls","approve_estim ate":"40.25376", "approve_hi":"45.50109", "approve_lo":"35.00642", "disapprove_estima te":"54.46505", "disapprove_hi":"59.14839", "disapprove_lo":"49.7817"}, {"date":"2018 -09-03", "future": false, "subgroup": "All polls", "approve_estimate": "40.05969", "appro ve_hi":"45.19295","approve_lo":"34.92643","disapprove_estimate":"54.12732","disapp rove_hi":"58.60292","disapprove_lo":"49.65172"},{"date":"2018-09-04","future":fals e, "subgroup": "All polls", "approve_estimate": "40.05544", "approve_hi": "45.18955", "ap

prove_lo":"34.92132","disapprove_estimate":"54.1169","disapprove_hi":"58.61736","d isapprove_lo":"49.61644"},{"date":"2018-09-05","future":false,"subgroup":"All poll s", "approve_estimate": "39.89795", "approve_hi": "44.91058", "approve_lo": "34.8853 2", "disapprove_estimate": "53.72744", "disapprove_hi": "58.2196", "disapprove_lo": "49. 23527"},{"date":"2018-09-06","future":false,"subgroup":"All polls","approve_estima te":"40.0058", "approve_hi":"45.06265", "approve_lo":"34.94896", "disapprove_estimat e":"53.67471", "disapprove_hi":"58.16011", "disapprove_lo":"49.18931"}, {"date":"2018 -09-07", "future": true, "subgroup": "All polls", "approve_estimate": "40.01935", "approv e hi":"45.09996","approve_lo":"34.93874","disapprove_estimate":"53.65882","disappr ove_hi": "58.17098", "disapprove_lo": "49.14665"}, {"date": "2018-09-08", "future": tru e, "subgroup": "All polls", "approve_estimate": "40.03281", "approve_hi": "45.15659", "ap prove_lo":"34.90903","disapprove_estimate":"53.64304","disapprove_hi":"58.2037 4", "disapprove_lo": "49.08233"}, { "date": "2018-09-09", "future": true, "subgroup": "All polls", "approve_estimate": "40.04618", "approve_hi": "45.22533", "approve_lo": "34.8670 4", "disapprove_estimate": "53.62736", "disapprove_hi": "58.25016", "disapprove_lo": "4 9.00455"},{"date":"2018-09-10","future":true,"subgroup":"All polls","approve_estim ate":"40.05947", "approve_hi":"45.30343", "approve_lo":"34.81552", "disapprove_estima te":"53.61179", "disapprove_hi":"58.30707", "disapprove_lo":"48.91651"}, {"date":"201 8-09-11", "future":true, "subgroup": "All polls", "approve_estimate": "40.07268", "appro ve_hi":"45.38918","approve_lo":"34.75617","disapprove_estimate":"53.59632","disapp rove_hi":"58.37248","disapprove_lo":"48.82017"},{"date":"2018-09-12","future":tru e, "subgroup": "All polls", "approve_estimate": "40.0858", "approve_hi": "45.48139", "app rove_lo":"34.6902","disapprove_estimate":"53.58096","disapprove_hi":"58.44498","di sapprove_lo":"48.71694"},{"date":"2018-09-13","future":true,"subgroup":"All poll s", "approve_estimate": "40.09883", "approve_hi": "45.57911", "approve_lo": "34.6185 4", "disapprove_estimate": "53.56571", "disapprove_hi": "58.52349", "disapprove_lo": "4 8.60793"},{"date":"2018-09-14","future":true,"subgroup":"All polls","approve_estim ate":"40.11177", "approve_hi":"45.66277", "approve_lo":"34.56078", "disapprove_estima te":"53.55056", "disapprove_hi":"58.5863", "disapprove_lo":"48.51482"}, {"date":"2018 -09-15", "future": true, "subgroup": "All polls", "approve_estimate": "40.12464", "approv e_hi":"45.74295","approve_lo":"34.50632","disapprove_estimate":"53.53551","disappr ove_hi":"58.64527","disapprove_lo":"48.42576"},{"date":"2018-09-16","future":tru e, "subgroup": "All polls", "approve_estimate": "40.13742", "approve_hi": "45.82001", "ap prove_lo":"34.45483","disapprove_estimate":"53.52057","disapprove_hi":"58.7008 3", "disapprove_lo": "48.34031"}, { "date": "2018-09-17", "future": true, "subgroup": "All polls", "approve_estimate": "40.15011", "approve_hi": "45.89426", "approve_lo": "34.4059 6", "disapprove_estimate": "53.50573", "disapprove_hi": "58.75336", "disapprove_lo": "4 8.2581"},{"date":"2018-09-18","future":true,"subgroup":"All polls","approve_estima te":"40.16272", "approve_hi":"45.96601", "approve_lo":"34.35944", "disapprove_estimat e":"53.49099", "disapprove_hi":"58.80321", "disapprove_lo":"48.17878"}, {"date":"2018 -09-19", "future": true, "subgroup": "All polls", "approve_estimate": "40.17525", "approv e_hi":"46.0355","approve_lo":"34.315","disapprove_estimate":"53.47636","disapprove _hi":"58.85066","disapprove_lo":"48.10206"},{"date":"2018-09-20","future":true,"su bgroup": "All polls", "approve_estimate": "40.1877", "approve_hi": "46.10295", "approve_ lo":"34.27245", "disapprove_estimate":"53.46183", "disapprove_hi":"58.89597", "disapp rove_lo":"48.02768"},{"date":"2018-09-21","future":true,"subgroup":"All polls","ap prove_estimate":"40.20006","approve_hi":"46.16855","approve_lo":"34.23157","disapp rove_estimate":"53.4474","disapprove_hi":"58.93936","disapprove_lo":"47.95543"}, {"date":"2018-09-22","future":true,"subgroup":"All polls","approve_estimate":"40.2 1234", "approve_hi": "46.23246", "approve_lo": "34.19222", "disapprove_estimate": "53.43 306", "disapprove_hi": "58.98103", "disapprove_lo": "47.8851"}, { "date": "2018-09-23", "f uture":true, "subgroup": "All polls", "approve_estimate": "40.22454", "approve_hi": "46. 29483", "approve_lo": "34.15425", "disapprove_estimate": "53.41883", "disapprove_hi": "5 9.02112","disapprove_lo":"47.81654"},{"date":"2018-09-24","future":true,"subgrou p":"All polls", "approve_estimate":"40.23666", "approve_hi":"46.35579", "approve_l o":"34.11753", "disapprove estimate": "53.4047", "disapprove hi": "59.0598", "disapprov

e_lo":"47.7496"},{"date":"2018-09-25","future":true,"subgroup":"All polls","approv e_estimate":"40.2487","approve_hi":"46.41544","approve_lo":"34.08195","disapprove_ estimate":"53.39066","disapprove_hi":"59.09718","disapprove_lo":"47.68415"},{"dat e":"2018-09-26","future":true,"subgroup":"All polls","approve_estimate":"40.2606 5", "approve_hi": "46.47388", "approve_lo": "34.04742", "disapprove_estimate": "53.3767 3", "disapprove_hi": "59.13338", "disapprove_lo": "47.62008"}, {"date": "2018-09-27", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.27253", "approve_hi": "46.5 312", "approve_lo": "34.01385", "disapprove_estimate": "53.36289", "disapprove_hi": "59. 1685", "disapprove lo": "47.55729" }, { "date": "2018-09-28", "future": true, "subgroup": "A 11 polls", "approve_estimate": "40.28433", "approve_hi": "46.58749", "approve_lo": "33.9 8117", "disapprove_estimate": "53.34915", "disapprove_hi": "59.20262", "disapprove_l o":"47.49568"},{"date":"2018-09-29","future":true,"subgroup":"All polls","approve_ estimate":"40.29604", "approve_hi":"46.64279", "approve_lo":"33.9493", "disapprove_es timate":"53.33551","disapprove_hi":"59.23583","disapprove_lo":"47.43519"},{"dat e":"2018-09-30","future":true,"subgroup":"All polls","approve_estimate":"40.3076 8", "approve_hi": "46.69719", "approve_lo": "33.91818", "disapprove_estimate": "53.3219 6", "disapprove_hi": "59.26819", "disapprove_lo": "47.37574"}, {"date": "2018-10-01", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.31924", "approve_hi": "46.7 5072", "approve_lo": "33.88776", "disapprove_estimate": "53.30851", "disapprove_hi": "5 9.29977", "disapprove_lo": "47.31726"}, {"date": "2018-10-02", "future": true, "subgrou p":"All polls", "approve_estimate":"40.33072", "approve_hi":"46.80346", "approve_l o":"33.85798", "disapprove_estimate":"53.29516", "disapprove_hi":"59.33062", "disappr ove_lo":"47.2597"},{"date":"2018-10-03","future":true,"subgroup":"All polls","appr ove_estimate":"40.34212","approve_hi":"46.85543","approve_lo":"33.82881","disappro ve_estimate":"53.2819","disapprove_hi":"59.3608","disapprove_lo":"47.203"},{"dat e":"2018-10-04", "future":true, "subgroup":"All polls", "approve_estimate":"40.3534 4", "approve_hi": "46.9067", "approve_lo": "33.80019", "disapprove_estimate": "53.2687 4", "disapprove_hi": "59.39035", "disapprove_lo": "47.14713"}, {"date": "2018-10-05", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.36469", "approve_hi": "46.9 5728", "approve_lo": "33.7721", "disapprove_estimate": "53.25567", "disapprove_hi": "59. 41932", "disapprove_lo": "47.09202"}, {"date": "2018-10-06", "future": true, "subgrou p":"All polls", "approve_estimate":"40.37585", "approve_hi":"47.00721", "approve_l o":"33.7445","disapprove_estimate":"53.24269","disapprove_hi":"59.44774","disappro ve_lo":"47.03764"},{"date":"2018-10-07","future":true,"subgroup":"All polls","appr ove_estimate":"40.38695","approve_hi":"47.05655","approve_lo":"33.71735","disappro ve_estimate":"53.22981","disapprove_hi":"59.47565","disapprove_lo":"46.98397"},{"d ate":"2018-10-08","future":true,"subgroup":"All polls","approve_estimate":"40.3979 6", "approve_hi": "47.10529", "approve_lo": "33.69063", "disapprove_estimate": "53.2170 2", "disapprove_hi": "59.50309", "disapprove_lo": "46.93095"}, {"date": "2018-10-09", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.4089", "approve_hi": "47.15 348", "approve_lo": "33.66431", "disapprove_estimate": "53.20432", "disapprove_hi": "59. 53008","disapprove_lo":"46.87857"},{"date":"2018-10-10","future":true,"subgrou p":"All polls", "approve_estimate":"40.41976", "approve_hi":"47.20115", "approve_l o":"33.63837","disapprove_estimate":"53.19172","disapprove_hi":"59.55664","disappr ove_lo":"46.82679"},{"date":"2018-10-11","future":true,"subgroup":"All polls","app rove_estimate":"40.43055","approve_hi":"47.2483","approve_lo":"33.61279","disappro ve_estimate":"53.1792","disapprove_hi":"59.58282","disapprove_lo":"46.77559"},{"da te":"2018-10-12","future":true,"subgroup":"All polls","approve_estimate":"40.4412 6", "approve_hi": "47.29498", "approve_lo": "33.58754", "disapprove_estimate": "53.1667 8", "disapprove_hi": "59.60862", "disapprove_lo": "46.72494"}, {"date": "2018-10-13", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.45189", "approve_hi": "47.3 4119", "approve_lo": "33.5626", "disapprove_estimate": "53.15445", "disapprove_hi": "59. 63408", "disapprove_lo": "46.67482"}, {"date": "2018-10-14", "future": true, "subgrou p":"All polls", "approve_estimate":"40.46245", "approve_hi":"47.38695", "approve_l o":"33.53795","disapprove_estimate":"53.1422","disapprove_hi":"59.65921","disappro ve_lo":"46.6252"},{"date":"2018-10-15","future":true,"subgroup":"All polls","appro

ve_estimate":"40.47294","approve_hi":"47.43229","approve_lo":"33.51359","disapprov e_estimate":"53.13005","disapprove_hi":"59.68402","disapprove_lo":"46.57608"},{"da te":"2018-10-16","future":true,"subgroup":"All polls","approve_estimate":"40.4833 5", "approve_hi": "47.47721", "approve_lo": "33.48949", "disapprove_estimate": "53.1179 9","disapprove_hi":"59.70855","disapprove_lo":"46.52742"},{"date":"2018-10-17","fu ture":true, "subgroup": "All polls", "approve_estimate": "40.49369", "approve_hi": "47.5 2174", "approve_lo": "33.46564", "disapprove_estimate": "53.10601", "disapprove_hi": "5 9.7328", "disapprove_lo": "46.47923"}, { "date": "2018-10-18", "future": true, "subgrou p":"All polls", "approve estimate": "40.50396", "approve hi": "47.5659", "approve l o":"33.44202", "disapprove_estimate":"53.09413", "disapprove_hi":"59.7568", "disappro ve_lo":"46.43146"},{"date":"2018-10-19","future":true,"subgroup":"All polls","appr ove_estimate":"40.51414","approve_hi":"47.60967","approve_lo":"33.41862","disappro ve_estimate":"53.08233","disapprove_hi":"59.78054","disapprove_lo":"46.38411"},{"d ate":"2018-10-20","future":true,"subgroup":"All polls","approve_estimate":"40.5242 7", "approve_hi": "47.6531", "approve_lo": "33.39544", "disapprove_estimate": "53.0706 1", "disapprove_hi": "59.80405", "disapprove_lo": "46.33717"}, {"date": "2018-10-21", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.53431", "approve_hi": "47.6 9617", "approve_lo": "33.37245", "disapprove_estimate": "53.05899", "disapprove_hi": "5 9.82735", "disapprove_lo": "46.29063"}, {"date": "2018-10-22", "future": true, "subgrou p":"All polls", "approve_estimate": "40.54428", "approve_hi": "47.73892", "approve_l o":"33.34965", "disapprove_estimate":"53.04745", "disapprove_hi":"59.85044", "disappr ove_lo":"46.24446"},{"date":"2018-10-23","future":true,"subgroup":"All polls","app rove_estimate":"40.55419","approve_hi":"47.78135","approve_lo":"33.32703","disappr ove_estimate":"53.036","disapprove_hi":"59.87333","disapprove_lo":"46.19867"},{"da te":"2018-10-24","future":true,"subgroup":"All polls","approve_estimate":"40.5640 2", "approve_hi": "47.82346", "approve_lo": "33.30458", "disapprove_estimate": "53.0246 4", "disapprove_hi": "59.89604", "disapprove_lo": "46.15323"}, { "date": "2018-10-25", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.57378", "approve_hi": "47.8 6526", "approve_lo": "33.28229", "disapprove_estimate": "53.01335", "disapprove_hi": "5 9.91857", "disapprove_lo": "46.10814"}, { "date": "2018-10-26", "future": true, "subgrou p":"All polls", "approve estimate":"40.58347", "approve hi":"47.90678", "approve l o":"33.26015","disapprove_estimate":"53.00216","disapprove_hi":"59.94093","disappr ove_lo":"46.06338"},{"date":"2018-10-27","future":true,"subgroup":"All polls","app rove_estimate":"40.59308","approve_hi":"47.94801","approve_lo":"33.23815","disappr ove_estimate":"52.99104","disapprove_hi":"59.96313","disapprove_lo":"46.01895"}, {"date":"2018-10-28","future":true,"subgroup":"All polls","approve_estimate":"40.6 0263", "approve_hi": "47.98896", "approve_lo": "33.2163", "disapprove_estimate": "52.980 01", "disapprove_hi": "59.98519", "disapprove_lo": "45.97484"}, {"date": "2018-10-29", "f uture":true, "subgroup": "All polls", "approve_estimate": "40.61211", "approve_hi": "48. 02965", "approve_lo": "33.19457", "disapprove_estimate": "52.96907", "disapprove_hi": "6 0.0071", "disapprove_lo": "45.93103"}, {"date": "2018-10-30", "future": true, "subgrou p":"All polls", "approve_estimate":"40.62152", "approve_hi":"48.07007", "approve_l o":"33.17296", "disapprove_estimate":"52.95821", "disapprove_hi":"60.02888", "disappr ove_lo":"45.88754"},{"date":"2018-10-31","future":true,"subgroup":"All polls","app rove_estimate":"40.63086","approve_hi":"48.11024","approve_lo":"33.15147","disappr ove_estimate":"52.94743","disapprove_hi":"60.05053","disapprove_lo":"45.84432"}, {"date":"2018-11-01","future":true,"subgroup":"All polls","approve_estimate":"40.6 4013", "approve_hi": "48.15015", "approve_lo": "33.1301", "disapprove_estimate": "52.936 73", "disapprove_hi": "60.07206", "disapprove_lo": "45.8014"}, {"date": "2018-11-02", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.64933", "approve hi": "48.1 8983", "approve_lo": "33.10882", "disapprove_estimate": "52.92611", "disapprove_hi": "6 0.09347", "disapprove_lo": "45.75875"}, { "date": "2018-11-03", "future": true, "subgrou p":"All polls", "approve_estimate":"40.65846", "approve_hi":"48.22927", "approve_l o":"33.08765", "disapprove_estimate":"52.91557", "disapprove_hi":"60.11477", "disappr ove_lo":"45.71637"},{"date":"2018-11-04","future":true,"subgroup":"All polls","app rove_estimate":"40.66752","approve_hi":"48.26847","approve_lo":"33.06657","disappr

ove_estimate":"52.90512","disapprove_hi":"60.13597","disapprove_lo":"45.67426"}, {"date":"2018-11-05","future":true,"subgroup":"All polls","approve_estimate":"40.6 7652", "approve_hi": "48.30746", "approve_lo": "33.04558", "disapprove_estimate": "52.89 474", "disapprove_hi": "60.15707", "disapprove_lo": "45.63241"}, {"date": "2018-11-0 6", "future": true, "subgroup": "All polls", "approve_estimate": "40.68545", "approve_h i":"48.34622", "approve_lo":"33.02468", "disapprove_estimate":"52.88445", "disapprove _hi":"60.17809","disapprove_lo":"45.59081"},{"date":"2018-11-07","future":true,"su bgroup":"All polls", "approve_estimate":"40.69431", "approve_hi":"48.38477", "approve lo":"33.00385","disapprove_estimate":"52.87423","disapprove_hi":"60.19901","disap prove_lo":"45.54945"},{"date":"2018-11-08","future":true,"subgroup":"All polls","a pprove_estimate":"40.7031","approve_hi":"48.4231","approve_lo":"32.9831","disappro ve_estimate": "52.86409", "disapprove_hi": "60.21985", "disapprove_lo": "45.50834"}, {"d ate":"2018-11-09", "future":true, "subgroup": "All polls", "approve_estimate": "40.7118 3", "approve_hi": "48.46123", "approve_lo": "32.96243", "disapprove_estimate": "52.8540 3", "disapprove_hi": "60.24061", "disapprove_lo": "45.46746"}, {"date": "2018-11-10", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.72049", "approve_hi": "48.4 9916", "approve_lo": "32.94183", "disapprove_estimate": "52.84406", "disapprove_hi": "6 0.26129", "disapprove_lo": "45.42682"}, {"date": "2018-11-11", "future": true, "subgrou p":"All polls", "approve_estimate":"40.72909", "approve_hi":"48.5369", "approve_l o":"32.92128","disapprove_estimate":"52.83415","disapprove_hi":"60.28191","disappr ove_lo":"45.3864"},{"date":"2018-11-12","future":true,"subgroup":"All polls","appr ove_estimate":"40.73762","approve_hi":"48.57443","approve_lo":"32.9008","disapprov e_estimate":"52.82433","disapprove_hi":"60.30245","disapprove_lo":"45.3462"},{"dat e":"2018-11-13","future":true,"subgroup":"All polls","approve_estimate":"40.7460 8","approve_hi":"48.61179","approve_lo":"32.88038","disapprove_estimate":"52.8145 8", "disapprove_hi": "60.32293", "disapprove_lo": "45.30622"}, {"date": "2018-11-14", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.75448", "approve_hi": "48.6 4895", "approve_lo": "32.86002", "disapprove_estimate": "52.8049", "disapprove_hi": "60. 34336", "disapprove_lo": "45.26645"}, {"date": "2018-11-15", "future": true, "subgrou p":"All polls", "approve_estimate":"40.76282", "approve_hi":"48.68594", "approve_l o":"32.8397","disapprove_estimate":"52.79531","disapprove_hi":"60.36373","disappro ve_lo":"45.22689"},{"date":"2018-11-16","future":true,"subgroup":"All polls","appr ove_estimate":"40.77109","approve_hi":"48.72274","approve_lo":"32.81944","disappro ve_estimate":"52.78579","disapprove_hi":"60.38404","disapprove_lo":"45.18753"},{"d ate":"2018-11-17", "future":true, "subgroup":"All polls", "approve_estimate":"40.7792 9", "approve_hi": "48.75937", "approve_lo": "32.79922", "disapprove_estimate": "52.7763 4", "disapprove_hi": "60.4043", "disapprove_lo": "45.14838"}, {"date": "2018-11-18", "fut ure":true, "subgroup": "All polls", "approve_estimate": "40.78743", "approve_hi": "48.79 583", "approve_lo": "32.77904", "disapprove_estimate": "52.76697", "disapprove_hi": "60. 42452", "disapprove_lo": "45.10942"}, {"date": "2018-11-19", "future": true, "subgrou p":"All polls", "approve_estimate":"40.79551", "approve_hi":"48.83212", "approve_l o":"32.75891","disapprove_estimate":"52.75767","disapprove_hi":"60.44469","disappr ove_lo":"45.07065"},{"date":"2018-11-20","future":true,"subgroup":"All polls","app rove_estimate":"40.80353","approve_hi":"48.86824","approve_lo":"32.73881","disappr ove_estimate":"52.74845","disapprove_hi":"60.46482","disapprove_lo":"45.03207"}, {"date":"2018-11-21","future":true,"subgroup":"All polls","approve_estimate":"40.8 1148", "approve_hi": "48.90421", "approve_lo": "32.71875", "disapprove_estimate": "52.73 93", "disapprove_hi": "60.48491", "disapprove_lo": "44.99369"}, { "date": "2018-11-22", "f uture":true, "subgroup": "All polls", "approve_estimate": "40.81937", "approve_hi": "48. 94001", "approve_lo": "32.69873", "disapprove_estimate": "52.73022", "disapprove_hi": "6 0.50496", "disapprove_lo": "44.95548"}, {"date": "2018-11-23", "future": true, "subgrou p":"All polls", "approve_estimate":"40.8272", "approve_hi":"48.97566", "approve_l o":"32.67873", "disapprove_estimate":"52.72121", "disapprove_hi":"60.52498", "disappr ove_lo":"44.91745"},{"date":"2018-11-24","future":true,"subgroup":"All polls","app rove_estimate":"40.83496","approve_hi":"49.01115","approve_lo":"32.65878","disappr ove_estimate":"52.71228","disapprove_hi":"60.54497","disapprove_lo":"44.8796"},{"d

ate":"2018-11-25", "future":true, "subgroup": "All polls", "approve_estimate": "40.8426 7", "approve_hi": "49.04649", "approve_lo": "32.63884", "disapprove_estimate": "52.7034 2", "disapprove_hi": "60.56492", "disapprove_lo": "44.84193"}, {"date": "2018-11-26", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.85031", "approve_hi": "49.0 8169", "approve_lo": "32.61893", "disapprove_estimate": "52.69463", "disapprove_hi": "6 0.58485", "disapprove_lo": "44.80442"}, {"date": "2018-11-27", "future": true, "subgrou p":"All polls", "approve_estimate":"40.85789", "approve_hi":"49.11673", "approve_l o":"32.59904", "disapprove_estimate":"52.68591", "disapprove_hi":"60.60474", "disappr ove lo":"44.76708"},{"date":"2018-11-28","future":true,"subgroup":"All polls","app rove_estimate":"40.86541","approve_hi":"49.15163","approve_lo":"32.57919","disappr ove_estimate":"52.67727","disapprove_hi":"60.62462","disapprove_lo":"44.72991"}, {"date":"2018-11-29","future":true,"subgroup":"All polls","approve_estimate":"40.8 7287", "approve_hi": "49.18639", "approve_lo": "32.55934", "disapprove_estimate": "52.66 869", "disapprove_hi": "60.64447", "disapprove_lo": "44.69291"}, {"date": "2018-11-3 0", "future": true, "subgroup": "All polls", "approve_estimate": "40.88027", "approve_h i":"49.22101", "approve_lo":"32.53952", "disapprove_estimate":"52.66018", "disapprove _hi":"60.6643","disapprove_lo":"44.65606"},{"date":"2018-12-01","future":true,"sub group":"All polls","approve_estimate":"40.8876","approve_hi":"49.25549","approve_l o":"32.51972", "disapprove_estimate":"52.65174", "disapprove_hi":"60.68411", "disappr ove_lo":"44.61937"},{"date":"2018-12-02","future":true,"subgroup":"All polls","app rove_estimate":"40.89488","approve_hi":"49.28983","approve_lo":"32.49993","disappr ove_estimate":"52.64337","disapprove_hi":"60.70391","disapprove_lo":"44.58283"}, {"date":"2018-12-03","future":true,"subgroup":"All polls","approve_estimate":"40.9 021", "approve_hi": "49.32405", "approve_lo": "32.48016", "disapprove_estimate": "52.635 07", "disapprove_hi": "60.72369", "disapprove_lo": "44.54646"}, {"date": "2018-12-04", "f uture":true, "subgroup": "All polls", "approve_estimate": "40.90926", "approve_hi": "49. 35813", "approve_lo": "32.4604", "disapprove_estimate": "52.62683", "disapprove_hi": "6 0.74345", "disapprove_lo": "44.51022"}, {"date": "2018-12-05", "future": true, "subgrou p":"All polls","approve_estimate":"40.91637","approve_hi":"49.39208","approve_l o":"32.44065", "disapprove_estimate":"52.61867", "disapprove_hi":"60.7632", "disappro ve_lo":"44.47414"},{"date":"2018-12-06","future":true,"subgroup":"All polls","appr ove_estimate":"40.92341","approve_hi":"49.4259","approve_lo":"32.42092","disapprov e_estimate":"52.61057","disapprove_hi":"60.78294","disapprove_lo":"44.43821"},{"da te":"2018-12-07","future":true,"subgroup":"All polls","approve_estimate":"40.9303 9","approve_hi":"49.45959","approve_lo":"32.40119","disapprove_estimate":"52.6025 4", "disapprove_hi": "60.80266", "disapprove_lo": "44.40242"}, {"date": "2018-12-08", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.93732", "approve_hi": "49.4 9316", "approve_lo": "32.38147", "disapprove_estimate": "52.59457", "disapprove_hi": "6 0.82238","disapprove_lo":"44.36677"},{"date":"2018-12-09","future":true,"subgrou p":"All polls", "approve_estimate":"40.94419", "approve_hi":"49.52661", "approve_l o":"32.36176", "disapprove_estimate":"52.58667", "disapprove_hi":"60.84208", "disappr ove_lo":"44.33126"},{"date":"2018-12-10","future":true,"subgroup":"All polls","app rove_estimate":"40.951","approve_hi":"49.55994","approve_lo":"32.34206","disapprov e_estimate":"52.57884","disapprove_hi":"60.86178","disapprove_lo":"44.29589"},{"da te":"2018-12-11","future":true,"subgroup":"All polls","approve_estimate":"40.9577 5", "approve_hi": "49.59314", "approve_lo": "32.32236", "disapprove_estimate": "52.5710 7", "disapprove_hi": "60.88148", "disapprove_lo": "44.26066"}, {"date": "2018-12-12", "fu ture":true, "subgroup": "All polls", "approve_estimate": "40.96445", "approve_hi": "49.6 2624", "approve_lo": "32.30267", "disapprove_estimate": "52.56337", "disapprove_hi": "6 0.90117", "disapprove_lo": "44.22557"}, {"date": "2018-12-13", "future": true, "subgrou p":"All polls", "approve_estimate":"40.97109", "approve_hi":"49.6592", "approve_l o":"32.28297", "disapprove_estimate":"52.55573", "disapprove_hi":"60.92085", "disappr ove_lo":"44.19061"},{"date":"2018-12-14","future":true,"subgroup":"All polls","app rove_estimate":"40.97768","approve_hi":"49.69207","approve_lo":"32.26329","disappr ove_estimate":"52.54815","disapprove_hi":"60.94054","disapprove_lo":"44.15577"}, {"date":"2018-12-15","future":true,"subgroup":"All polls","approve estimate":"40.9

842", "approve_hi": "49.72481", "approve_lo": "32.2436", "disapprove_estimate": "52.5406 4", "disapprove_hi": "60.96022", "disapprove_lo": "44.12107"}, {"date": "2018-12-16", "fu ture":true, "subgroup": "All polls", "approve estimate": "40.99067", "approve hi": "49.7 5744", "approve_lo": "32.22391", "disapprove_estimate": "52.5332", "disapprove_hi": "60. 9799", "disapprove_lo": "44.08649"}, {"date": "2018-12-17", "future": true, "subgroup": "A 11 polls", "approve_estimate": "40.99709", "approve_hi": "49.78996", "approve_lo": "32.2 0422", "disapprove_estimate": "52.52581", "disapprove_hi": "60.99958", "disapprove_l o":"44.05204"},{"date":"2018-12-18","future":true,"subgroup":"All polls","approve estimate": "41.00345", "approve hi": "49.82237", "approve lo": "32.18453", "disapprove e stimate": "52.51849", "disapprove_hi": "61.01926", "disapprove_lo": "44.01772"}, {"dat e":"2018-12-19", "future":true, "subgroup":"All polls", "approve_estimate":"41.0097 6", "approve_hi": "49.85468", "approve_lo": "32.16484", "disapprove_estimate": "52.5112 3", "disapprove_hi": "61.03894", "disapprove_lo": "43.98352"}, {"date": "2018-12-20", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.01601", "approve_hi": "49.8 8687", "approve_lo": "32.14515", "disapprove_estimate": "52.50403", "disapprove_hi": "6 1.05862", "disapprove_lo": "43.94944"}, {"date": "2018-12-21", "future": true, "subgrou p":"All polls", "approve_estimate":"41.02221", "approve_hi":"49.91896", "approve_l o":"32.12545", "disapprove_estimate":"52.49689", "disapprove_hi":"61.0783", "disappro ve_lo":"43.91548"},{"date":"2018-12-22","future":true,"subgroup":"All polls","appr ove_estimate":"41.02835","approve_hi":"49.95095","approve_lo":"32.10575","disappro ve_estimate":"52.48981","disapprove_hi":"61.09799","disapprove_lo":"43.88164"},{"d ate":"2018-12-23", "future":true, "subgroup":"All polls", "approve_estimate":"41.0344 4", "approve_hi": "49.98283", "approve_lo": "32.08605", "disapprove_estimate": "52.482 8", "disapprove_hi": "61.11768", "disapprove_lo": "43.84791"}, {"date": "2018-12-24", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.04048", "approve_hi": "50.0 1462", "approve_lo": "32.06634", "disapprove_estimate": "52.47584", "disapprove_hi": "6 1.13738", "disapprove_lo": "43.8143"}, { "date": "2018-12-25", "future": true, "subgrou p":"All polls", "approve_estimate":"41.04646", "approve_hi":"50.0463", "approve_l o":"32.04662", "disapprove_estimate":"52.46894", "disapprove_hi":"61.15708", "disappr ove_lo":"43.78081"},{"date":"2018-12-26","future":true,"subgroup":"All polls","app rove_estimate":"41.05239","approve_hi":"50.07788","approve_lo":"32.0269","disappro ve_estimate":"52.46211","disapprove_hi":"61.17679","disapprove_lo":"43.74743"},{"d ate":"2018-12-27", "future":true, "subgroup": "All polls", "approve_estimate": "41.0582 7", "approve_hi": "50.10937", "approve_lo": "32.00717", "disapprove_estimate": "52.4553 3", "disapprove_hi": "61.1965", "disapprove_lo": "43.71416"}, {"date": "2018-12-28", "fut ure":true, "subgroup": "All polls", "approve_estimate": "41.06409", "approve_hi": "50.14 075", "approve_lo": "31.98744", "disapprove_estimate": "52.44861", "disapprove_hi": "61. 21622", "disapprove_lo": "43.681" }, { "date": "2018-12-29", "future": true, "subgroup": "Al 1 polls","approve_estimate":"41.06987","approve_hi":"50.17204","approve_lo":"31.96 769", "disapprove_estimate": "52.44195", "disapprove_hi": "61.23595", "disapprove_l o":"43.64795"},{"date":"2018-12-30","future":true,"subgroup":"All polls","approve_ estimate":"41.07558","approve_hi":"50.20324","approve_lo":"31.94793","disapprove_e stimate":"52.43535", "disapprove_hi":"61.25569", "disapprove_lo":"43.61501"}, {"dat e":"2018-12-31","future":true,"subgroup":"All polls","approve_estimate":"41.0812 6", "approve_hi": "50.23434", "approve_lo": "31.92817", "disapprove_estimate": "52.4288 1", "disapprove_hi": "61.27544", "disapprove_lo": "43.58217"}, {"date": "2019-01-01", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.08687", "approve_hi": "50.2 6535","approve_lo":"31.9084","disapprove_estimate":"52.42232","disapprove_hi":"61. 2952", "disapprove_lo": "43.54944"}, { "date": "2019-01-02", "future": true, "subgroup": "A ll polls", "approve estimate": "41.09244", "approve hi": "50.29626", "approve lo": "31.8 8861", "disapprove_estimate": "52.41589", "disapprove_hi": "61.31496", "disapprove_l o":"43.51681"},{"date":"2019-01-03","future":true,"subgroup":"All polls","approve_ estimate":"41.09795", "approve_hi":"50.32709", "approve_lo":"31.86882", "disapprove_e stimate":"52.40951","disapprove_hi":"61.33473","disapprove_lo":"43.48429"},{"dat e":"2019-01-04","future":true,"subgroup":"All polls","approve_estimate":"41.1034 2", "approve hi": "50.35782", "approve lo": "31.84902", "disapprove estimate": "52.4031

9", "disapprove_hi": "61.35452", "disapprove_lo": "43.45187"}, {"date": "2019-01-05", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.10883", "approve_hi": "50.3 8847", "approve lo": "31.8292", "disapprove estimate": "52.39693", "disapprove hi": "61. 37431", "disapprove_lo": "43.41955"}, { "date": "2019-01-06", "future": true, "subgrou p":"All polls", "approve_estimate":"41.1142", "approve_hi":"50.41903", "approve_l o":"31.80938", "disapprove_estimate":"52.39072", "disapprove_hi":"61.39412", "disappr ove_lo":"43.38733"},{"date":"2019-01-07","future":true,"subgroup":"All polls","app rove_estimate":"41.11951","approve_hi":"50.44949","approve_lo":"31.78954","disappr ove_estimate":"52.38457","disapprove_hi":"61.41394","disapprove_lo":"43.3552"},{"d ate":"2019-01-08", "future":true, "subgroup": "All polls", "approve_estimate":"41.1247 8", "approve_hi": "50.47987", "approve_lo": "31.76968", "disapprove_estimate": "52.3784 8", "disapprove_hi": "61.43377", "disapprove_lo": "43.32318"}, {"date": "2019-01-09", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.12999", "approve_hi": "50.5 1017", "approve_lo": "31.74982", "disapprove_estimate": "52.37243", "disapprove_hi": "6 1.45361", "disapprove_lo": "43.29125"}, { "date": "2019-01-10", "future": true, "subgrou p":"All polls", "approve_estimate":"41.13516", "approve_hi":"50.54038", "approve_l o":"31.72994", "disapprove_estimate":"52.36644", "disapprove_hi":"61.47346", "disappr ove_lo":"43.25941"},{"date":"2019-01-11","future":true,"subgroup":"All polls","app rove_estimate":"41.14028","approve_hi":"50.57051","approve_lo":"31.71005","disappr ove_estimate":"52.3605","disapprove_hi":"61.49333","disapprove_lo":"43.22768"},{"d ate":"2019-01-12", "future":true, "subgroup": "All polls", "approve_estimate":"41.1453 5", "approve_hi": "50.60056", "approve_lo": "31.69015", "disapprove_estimate": "52.3546 2", "disapprove_hi": "61.51321", "disapprove_lo": "43.19603"}, {"date": "2019-01-13", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.15037", "approve_hi": "50.6 3052", "approve_lo": "31.67023", "disapprove_estimate": "52.34879", "disapprove_hi": "6 1.53311", "disapprove_lo": "43.16448"}, {"date": "2019-01-14", "future": true, "subgrou p":"All polls", "approve_estimate":"41.15535", "approve_hi":"50.6604", "approve_l o":"31.65029", "disapprove_estimate":"52.34301", "disapprove_hi":"61.55301", "disappr ove_lo":"43.13302"},{"date":"2019-01-15","future":true,"subgroup":"All polls","app rove_estimate":"41.16027","approve_hi":"50.6902","approve_lo":"31.63034","disappro ve estimate": "52.33729", "disapprove hi": "61.57293", "disapprove lo": "43.10165"}, {"d ate":"2019-01-16", "future":true, "subgroup":"All polls", "approve_estimate":"41.1651 5", "approve_hi": "50.71992", "approve_lo": "31.61038", "disapprove_estimate": "52.3316 2", "disapprove_hi": "61.59286", "disapprove_lo": "43.07037"}, {"date": "2019-01-17", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.16998", "approve_hi": "50.7 4956", "approve_lo": "31.5904", "disapprove_estimate": "52.32599", "disapprove_hi": "61. 61282", "disapprove_lo": "43.03917"}, { "date": "2019-01-18", "future": true, "subgrou p":"All polls", "approve_estimate":"41.17477", "approve_hi":"50.77912", "approve_l o":"31.57041","disapprove_estimate":"52.32042","disapprove_hi":"61.63278","disappr ove_lo":"43.00807"},{"date":"2019-01-19","future":true,"subgroup":"All polls","app rove_estimate":"41.1795","approve_hi":"50.80861","approve_lo":"31.5504","disapprov e_estimate":"52.3149","disapprove_hi":"61.65275","disapprove_lo":"42.97705"},{"dat e":"2019-01-20", "future":true, "subgroup": "All polls", "approve_estimate": "41.184 2", "approve_hi": "50.83801", "approve_lo": "31.53038", "disapprove_estimate": "52.3094 3", "disapprove_hi": "61.67274", "disapprove_lo": "42.94611"}, {"date": "2019-01-21", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.18884", "approve_hi": "50.8 6734", "approve_lo": "31.51034", "disapprove_estimate": "52.30401", "disapprove_hi": "6 1.69276", "disapprove_lo": "42.91527"}, {"date": "2019-01-22", "future": true, "subgrou p":"All polls", "approve_estimate":"41.19344", "approve_hi":"50.8966", "approve_l o":"31.49028", "disapprove estimate": "52.29864", "disapprove hi": "61.71278", "disappr ove_lo":"42.88451"},{"date":"2019-01-23","future":true,"subgroup":"All polls","app rove_estimate":"41.19799","approve_hi":"50.92578","approve_lo":"31.47021","disappr ove_estimate":"52.29332","disapprove_hi":"61.73281","disapprove_lo":"42.85382"}, {"date":"2019-01-24","future":true,"subgroup":"All polls","approve_estimate":"41.2 025", "approve_hi": "50.95489", "approve_lo": "31.45012", "disapprove_estimate": "52.288 05", "disapprove hi": "61.75286", "disapprove lo": "42.82323"}, {"date": "2019-01-25", "f

uture":true, "subgroup": "All polls", "approve_estimate": "41.20697", "approve_hi": "50. 98392", "approve_lo": "31.43002", "disapprove_estimate": "52.28282", "disapprove_hi": "6 1.77293", "disapprove lo": "42.79271" }, { "date": "2019-01-26", "future": true, "subgrou p":"All polls", "approve_estimate":"41.21138", "approve_hi":"51.01288", "approve_l o":"31.40989", "disapprove_estimate":"52.27765", "disapprove_hi":"61.79302", "disappr ove_lo":"42.76228"},{"date":"2019-01-27","future":true,"subgroup":"All polls","app rove_estimate":"41.21576","approve_hi":"51.04176","approve_lo":"31.38975","disappr ove_estimate":"52.27252","disapprove_hi":"61.81311","disapprove_lo":"42.73192"}, {"date":"2019-01-28","future":true,"subgroup":"All polls","approve estimate":"41.2 2009", "approve_hi": "51.07058", "approve_lo": "31.36959", "disapprove_estimate": "52.26 744", "disapprove_hi": "61.83323", "disapprove_lo": "42.70165"}, {"date": "2019-01-2 9", "future": true, "subgroup": "All polls", "approve_estimate": "41.22437", "approve_h i":"51.09933", "approve_lo":"31.34942", "disapprove_estimate":"52.26241", "disapprove _hi":"61.85336","disapprove_lo":"42.67145"},{"date":"2019-01-30","future":true,"su bgroup": "All polls", "approve estimate": "41.22861", "approve hi": "51.128", "approve l o":"31.32923", "disapprove_estimate":"52.25742", "disapprove_hi":"61.87351", "disappr ove_lo":"42.64133"},{"date":"2019-01-31","future":true,"subgroup":"All polls","app rove_estimate":"41.23281","approve_hi":"51.1566","approve_lo":"31.30902","disappro ve_estimate":"52.25248","disapprove_hi":"61.89367","disapprove_lo":"42.61129"},{"d ate":"2019-02-01","future":true,"subgroup":"All polls","approve_estimate":"41.2369 7", "approve_hi": "51.18514", "approve_lo": "31.28879", "disapprove_estimate": "52.2475 9", "disapprove_hi": "61.91385", "disapprove_lo": "42.58133"}, {"date": "2019-02-02", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.24108", "approve_hi": "51.2 1361", "approve_lo": "31.26855", "disapprove_estimate": "52.24274", "disapprove_hi": "6 1.93405", "disapprove_lo": "42.55143"}, {"date": "2019-02-03", "future": true, "subgrou p":"All polls", "approve estimate":"41.24514", "approve hi":"51.242", "approve lo":"3 1.24828", "disapprove_estimate": "52.23794", "disapprove_hi": "61.95426", "disapprove_l o":"42.52162"},{"date":"2019-02-04","future":true,"subgroup":"All polls","approve_ estimate":"41.24917", "approve_hi":"51.27033", "approve_lo":"31.228", "disapprove_est imate":"52.23318","disapprove_hi":"61.97449","disapprove_lo":"42.49188"},{"dat e":"2019-02-05","future":true,"subgroup":"All polls","approve_estimate":"41.2531 5", "approve_hi": "51.2986", "approve_lo": "31.20771", "disapprove_estimate": "52.2284 7", "disapprove_hi": "61.99473", "disapprove_lo": "42.46221"}, {"date": "2019-02-06", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.2571", "approve_hi": "51.32 68", "approve_lo": "31.18739", "disapprove_estimate": "52.2238", "disapprove_hi": "62.01 5", "disapprove_lo": "42.43261"}, {"date": "2019-02-07", "future": true, "subgroup": "All polls", "approve_estimate": "41.26099", "approve_hi": "51.35493", "approve_lo": "31.1670 5", "disapprove_estimate": "52.21918", "disapprove_hi": "62.03527", "disapprove_lo": "4 2.40309"},{"date":"2019-02-08","future":true,"subgroup":"All polls","approve_estim ate":"41.26485", "approve_hi":"51.383", "approve_lo":"31.1467", "disapprove_estimat e":"52.2146", "disapprove_hi":"62.05556", "disapprove_lo":"42.37364"}, {"date":"2019-02-09", "future": true, "subgroup": "All polls", "approve_estimate": "41.26867", "approve _hi":"51.41101","approve_lo":"31.12633","disapprove_estimate":"52.21007","disappro ve_hi":"62.07588","disapprove_lo":"42.34426"},{"date":"2019-02-10","future":tru e, "subgroup": "All polls", "approve_estimate": "41.27244", "approve_hi": "51.43895", "ap prove_lo":"31.10594","disapprove_estimate":"52.20557","disapprove_hi":"62.0962","d isapprove_lo":"42.31495"},{"date":"2019-02-11","future":true,"subgroup":"All poll s","approve_estimate":"41.27618","approve_hi":"51.46682","approve_lo":"31.0855 3", "disapprove_estimate": "52.20113", "disapprove_hi": "62.11655", "disapprove_lo": "4 2.2857"},{"date":"2019-02-12","future":true,"subgroup":"All polls","approve estima te":"41.27987","approve_hi":"51.49464","approve_lo":"31.0651","disapprove_estimat e":"52.19672","disapprove_hi":"62.13691","disapprove_lo":"42.25653"},{"date":"2019 -02-13", "future":true, "subgroup": "All polls", "approve_estimate": "41.28352", "approv e_hi":"51.52238","approve_lo":"31.04466","disapprove_estimate":"52.19236","disappr ove_hi":"62.15729","disapprove_lo":"42.22742"},{"date":"2019-02-14","future":tru e, "subgroup": "All polls", "approve_estimate": "41.28714", "approve_hi": "51.55008", "ap

prove_lo":"31.0242","disapprove_estimate":"52.18803","disapprove_hi":"62.17768","d isapprove_lo":"42.19838"},{"date":"2019-02-15","future":true,"subgroup":"All poll s", "approve_estimate": "41.29071", "approve_hi": "51.5777", "approve_lo": "31.00371", "d isapprove_estimate":"52.18375","disapprove_hi":"62.19809","disapprove_lo":"42.1694 1"},{"date":"2019-02-16","future":true,"subgroup":"All polls","approve_estimat e":"41.29424", "approve_hi":"51.60527", "approve_lo":"30.98321", "disapprove_estimat e":"52.17951", "disapprove_hi":"62.21852", "disapprove_lo":"42.1405"}, {"date":"2019-02-17", "future": true, "subgroup": "All polls", "approve_estimate": "41.29773", "approve hi":"51.63277", "approve lo":"30.96269", "disapprove estimate": "52.17531", "disappro ve_hi":"62.23896", "disapprove_lo":"42.11166"}, {"date":"2019-02-18", "future":tru e, "subgroup": "All polls", "approve_estimate": "41.30119", "approve_hi": "51.66022", "ap prove_lo":"30.94215","disapprove_estimate":"52.17115","disapprove_hi":"62.2594 2","disapprove_lo":"42.08289"},{"date":"2019-02-19","future":true,"subgroup":"All polls","approve_estimate":"41.3046","approve_hi":"51.68761","approve_lo":"30.921 6", "disapprove_estimate": "52.16704", "disapprove_hi": "62.2799", "disapprove_lo": "42. 05418"},{"date":"2019-02-20","future":true,"subgroup":"All polls","approve_estimat e":"41.30798", "approve_hi":"51.71494", "approve_lo":"30.90102", "disapprove_estimat e":"52.16296", "disapprove_hi":"62.30039", "disapprove_lo":"42.02553"}, {"date":"2019 -02-21", "future":true, "subgroup": "All polls", "approve_estimate": "41.31132", "approv e_hi":"51.74221","approve_lo":"30.88042","disapprove_estimate":"52.15892","disappr ove_hi":"62.3209","disapprove_lo":"41.99694"},{"date":"2019-02-22","future":tru e, "subgroup": "All polls", "approve_estimate": "41.31462", "approve_hi": "51.76942", "ap prove_lo":"30.85981","disapprove_estimate":"52.15492","disapprove_hi":"62.3414 3", "disapprove_lo": "41.96842"}, { "date": "2019-02-23", "future": true, "subgroup": "All polls", "approve_estimate": "41.31788", "approve_hi": "51.79658", "approve_lo": "30.8391 8","disapprove_estimate":"52.15096","disapprove_hi":"62.36197","disapprove_lo":"4 1.93996"},{"date":"2019-02-24","future":true,"subgroup":"All polls","approve_estim ate":"41.3211", "approve_hi":"51.82368", "approve_lo":"30.81853", "disapprove_estimat e":"52.14704", "disapprove_hi":"62.38253", "disapprove_lo":"41.91155"}, {"date":"2019 -02-25", "future": true, "subgroup": "All polls", "approve_estimate": "41.32429", "approv e_hi":"51.85072","approve_lo":"30.79786","disapprove_estimate":"52.14316","disappr ove_hi":"62.4031","disapprove_lo":"41.88321"},{"date":"2019-02-26","future":tru e, "subgroup": "All polls", "approve_estimate": "41.32744", "approve_hi": "51.87771", "ap prove_lo":"30.77717","disapprove_estimate":"52.13932","disapprove_hi":"62.4237","d isapprove_lo":"41.85493"},{"date":"2019-02-27","future":true,"subgroup":"All poll s", "approve_estimate": "41.33055", "approve_hi": "51.90463", "approve_lo": "30.7564 6", "disapprove_estimate": "52.13551", "disapprove_hi": "62.4443", "disapprove_lo": "41. 82672"},{"date":"2019-02-28","future":true,"subgroup":"All polls","approve_estimat e":"41.33362", "approve_hi":"51.93151", "approve_lo":"30.73573", "disapprove_estimat e":"52.13174", "disapprove_hi":"62.46493", "disapprove_lo":"41.79855"}, {"date":"2019 -03-01", "future":true, "subgroup": "All polls", "approve_estimate": "41.33666", "approv e_hi":"51.95833","approve_lo":"30.71499","disapprove_estimate":"52.12801","disappr ove_hi":"62.48557","disapprove_lo":"41.77045"},{"date":"2019-03-02","future":tru e, "subgroup": "All polls", "approve_estimate": "41.33966", "approve_hi": "51.9851", "app rove_lo":"30.69423","disapprove_estimate":"52.12431","disapprove_hi":"62.50622","d isapprove_lo":"41.7424"},{"date":"2019-03-03","future":true,"subgroup":"All poll s", "approve_estimate": "41.34262", "approve_hi": "52.01181", "approve_lo": "30.6734 4","disapprove_estimate":"52.12066","disapprove_hi":"62.52689","disapprove_lo":"4 1.71442"},{"date":"2019-03-04","future":true,"subgroup":"All polls","approve_estim ate":"41.34555", "approve hi":"52.03847", "approve lo":"30.65264", "disapprove estima te":"52.11703", "disapprove_hi":"62.54758", "disapprove_lo":"41.68649"}, {"date":"201 9-03-05", "future": true, "subgroup": "All polls", "approve_estimate": "41.34845", "appro ve_hi":"52.06507","approve_lo":"30.63182","disapprove_estimate":"52.11345","disapp rove_hi":"62.56828","disapprove_lo":"41.65862"},{"date":"2019-03-06","future":tru e, "subgroup": "All polls", "approve_estimate": "41.3513", "approve_hi": "52.09163", "app rove lo":"30.61098", "disapprove estimate":"52.1099", "disapprove hi":"62.589", "disa

pprove_lo":"41.63079"},{"date":"2019-03-07","future":true,"subgroup":"All poll s", "approve_estimate": "41.35413", "approve_hi": "52.11813", "approve_lo": "30.5901 2", "disapprove_estimate": "52.10638", "disapprove_hi": "62.60974", "disapprove_lo": "4 1.60303"},{"date":"2019-03-08","future":true,"subgroup":"All polls","approve_estim ate":"41.35691", "approve_hi":"52.14458", "approve_lo":"30.56925", "disapprove_estima te":"52.1029", "disapprove_hi":"62.63049", "disapprove_lo":"41.57532"}, {"date":"2019 -03-09", "future":true, "subgroup": "All polls", "approve_estimate": "41.35966", "approv e_hi":"52.17098","approve_lo":"30.54835","disapprove_estimate":"52.09946","disappr ove hi": "62.65125", "disapprove lo": "41.54767"}, {"date": "2019-03-10", "future": tru e, "subgroup": "All polls", "approve_estimate": "41.36238", "approve_hi": "52.19732", "ap prove_lo":"30.52744","disapprove_estimate":"52.09605","disapprove_hi":"62.6720 3", "disapprove_lo": "41.52006"}, { "date": "2019-03-11", "future": true, "subgroup": "All polls", "approve_estimate": "41.36507", "approve_hi": "52.22363", "approve_lo": "30.5065 1", "disapprove_estimate": "52.09267", "disapprove_hi": "62.69283", "disapprove_lo": "4 1.49252"},{"date":"2019-03-12","future":true,"subgroup":"All polls","approve estim ate":"41.36771", "approve_hi":"52.24987", "approve_lo":"30.48556", "disapprove_estima te":"52.08933", "disapprove_hi":"62.71365", "disapprove_lo":"41.46502"}, {"date":"201 9-03-13", "future":true, "subgroup": "All polls", "approve_estimate": "41.37033", "appro ve_hi":"52.27607","approve_lo":"30.46459","disapprove_estimate":"52.08602","disapp rove_hi":"62.73447","disapprove_lo":"41.43758"},{"date":"2019-03-14","future":tru e, "subgroup": "All polls", "approve_estimate": "41.37291", "approve_hi": "52.30222", "ap prove_lo":"30.4436","disapprove_estimate":"52.08274","disapprove_hi":"62.75531","d isapprove_lo":"41.41018"},{"date":"2019-03-15","future":true,"subgroup":"All poll s", "approve_estimate": "41.37546", "approve_hi": "52.32832", "approve_lo": "30.4226", "d isapprove_estimate": "52.07951", "disapprove_hi": "62.77617", "disapprove_lo": "41.3828 4"},{"date":"2019-03-16","future":true,"subgroup":"All polls","approve_estimat e":"41.37797", "approve_hi":"52.35437", "approve_lo":"30.40158", "disapprove_estimat e":"52.07629", "disapprove_hi":"62.79704", "disapprove_lo":"41.35555"}, {"date":"2019 -03-17", "future":true, "subgroup": "All polls", "approve_estimate": "41.38045", "approv e_hi":"52.38037","approve_lo":"30.38054","disapprove_estimate":"52.07312","disappr ove_hi":"62.81792","disapprove_lo":"41.32832"},{"date":"2019-03-18","future":tru e, "subgroup": "All polls", "approve_estimate": "41.3829", "approve_hi": "52.40632", "app rove_lo":"30.35948","disapprove_estimate":"52.06997","disapprove_hi":"62.83883","d isapprove_lo":"41.30112"},{"date":"2019-03-19","future":true,"subgroup":"All poll s", "approve_estimate": "41.38531", "approve_hi": "52.43223", "approve_lo": "30.3384", "d isapprove_estimate": "52.06686", "disapprove_hi": "62.85974", "disapprove_lo": "41.2739 8"},{"date":"2019-03-20","future":true,"subgroup":"All polls","approve_estimat e":"41.3877", "approve_hi":"52.45809", "approve_lo":"30.3173", "disapprove_estimat e":"52.06378", "disapprove_hi":"62.88067", "disapprove_lo":"41.24689"}, {"date":"2019 -03-21", "future":true, "subgroup": "All polls", "approve_estimate": "41.39005", "approv e_hi":"52.4839","approve_lo":"30.29619","disapprove_estimate":"52.06073","disappro ve_hi":"62.90162","disapprove_lo":"41.21984"},{"date":"2019-03-22","future":tru e, "subgroup": "All polls", "approve_estimate": "41.39236", "approve_hi": "52.50967", "ap prove_lo":"30.27506","disapprove_estimate":"52.05771","disapprove_hi":"62.9225 7", "disapprove_lo": "41.19285"}, {"date": "2019-03-23", "future": true, "subgroup": "All polls", "approve_estimate": "41.39465", "approve_hi": "52.53539", "approve_lo": "30.2539 1", "disapprove_estimate": "52.05472", "disapprove_hi": "62.94354", "disapprove_lo": "4 1.1659"},{"date":"2019-03-24","future":true,"subgroup":"All polls","approve_estima te":"41.3969", "approve_hi":"52.56107", "approve_lo":"30.23274", "disapprove_estimat e":"52.05177", "disapprove hi":"62.96453", "disapprove lo":"41.139"}, {"date":"2019-0 3-25", "future":true, "subgroup": "All polls", "approve_estimate": "41.39913", "approve_ hi":"52.5867", "approve_lo":"30.21156", "disapprove_estimate":"52.04884", "disapprove hi":"62.98553","disapprove_lo":"41.11215"},{"date":"2019-03-26","future":true,"su bgroup":"All polls", "approve_estimate":"41.40132", "approve_hi":"52.61229", "approve _lo":"30.19036","disapprove_estimate":"52.04594","disapprove_hi":"63.00655","disap prove lo":"41.08533"},{"date":"2019-03-27","future":true,"subgroup":"All polls","a

pprove_estimate":"41.40348","approve_hi":"52.63783","approve_lo":"30.16914","disap prove_estimate":"52.04307","disapprove_hi":"63.02757","disapprove_lo":"41.05857"}, {"date":"2019-03-28","future":true,"subgroup":"All polls","approve_estimate":"41.4 0561", "approve_hi": "52.66332", "approve_lo": "30.1479", "disapprove_estimate": "52.040 23", "disapprove_hi": "63.04861", "disapprove_lo": "41.03185"}, { "date": "2019-03-29", "f uture":true, "subgroup": "All polls", "approve_estimate": "41.40771", "approve_hi": "52. 68877", "approve_lo": "30.12665", "disapprove_estimate": "52.03743", "disapprove_hi": "6 3.06967", "disapprove_lo": "41.00518"}, { "date": "2019-03-30", "future": true, "subgrou p":"All polls", "approve_estimate":"41.40978", "approve_hi":"52.71418", "approve_l o":"30.10537", "disapprove_estimate":"52.03465", "disapprove_hi":"63.09074", "disappr ove_lo":"40.97855"},{"date":"2019-03-31","future":true,"subgroup":"All polls","app rove_estimate":"41.41182","approve_hi":"52.73955","approve_lo":"30.08409","disappr ove_estimate":"52.03189","disapprove_hi":"63.11182","disapprove_lo":"40.95197"}, {"date":"2019-04-01","future":true,"subgroup":"All polls","approve_estimate":"41.4 1383", "approve_hi": "52.76488", "approve_lo": "30.06278", "disapprove_estimate": "52.02 917", "disapprove_hi": "63.13291", "disapprove_lo": "40.92543"}, {"date": "2019-04-0 2", "future": true, "subgroup": "All polls", "approve_estimate": "41.41581", "approve_h i":"52.79016", "approve_lo":"30.04145", "disapprove_estimate":"52.02647", "disapprove _hi":"63.15402","disapprove_lo":"40.89893"},{"date":"2019-04-03","future":true,"su bgroup": "All polls", "approve_estimate": "41.41776", "approve_hi": "52.8154", "approve_ lo":"30.02011","disapprove_estimate":"52.02381","disapprove_hi":"63.17514","disapp rove_lo":"40.87247"},{"date":"2019-04-04","future":true,"subgroup":"All polls","ap prove_estimate":"41.41968","approve_hi":"52.8406","approve_lo":"29.99876","disappr ove_estimate":"52.02117","disapprove_hi":"63.19627","disapprove_lo":"40.84606"}, {"date":"2019-04-05","future":true,"subgroup":"All polls","approve_estimate":"41.4 2157", "approve_hi": "52.86575", "approve_lo": "29.97738", "disapprove_estimate": "52.01 855", "disapprove_hi": "63.21742", "disapprove_lo": "40.81969"}, {"date": "2019-04-0 6", "future": true, "subgroup": "All polls", "approve_estimate": "41.42343", "approve_h i":"52.89086", "approve_lo":"29.95599", "disapprove_estimate":"52.01596", "disapprove _hi":"63.23857","disapprove_lo":"40.79336"},{"date":"2019-04-07","future":true,"su bgroup": "All polls", "approve_estimate": "41.42526", "approve_hi": "52.91594", "approve _lo":"29.93459","disapprove_estimate":"52.01341","disapprove_hi":"63.25974","disap prove_lo":"40.76707"},{"date":"2019-04-08","future":true,"subgroup":"All polls","a pprove_estimate":"41.42707","approve_hi":"52.94097","approve_lo":"29.91316","disap prove_estimate":"52.01088","disapprove_hi":"63.28093","disapprove_lo":"40.74083"}, {"date":"2019-04-09","future":true,"subgroup":"All polls","approve_estimate":"41.4 2884", "approve_hi": "52.96597", "approve_lo": "29.89172", "disapprove_estimate": "52.00 837","disapprove_hi":"63.30212","disapprove_lo":"40.71461"},{"date":"2019-04-1 0", "future": true, "subgroup": "All polls", "approve_estimate": "41.43059", "approve_h i":"52.99092", "approve_lo":"29.87026", "disapprove_estimate":"52.00589", "disapprove _hi":"63.32333","disapprove_lo":"40.68845"},{"date":"2019-04-11","future":true,"su bgroup":"All polls", "approve_estimate":"41.43231", "approve_hi":"53.01583", "approve _lo":"29.84879","disapprove_estimate":"52.00343","disapprove_hi":"63.34454","disap prove_lo":"40.66232"},{"date":"2019-04-12","future":true,"subgroup":"All polls","a pprove_estimate":"41.43401","approve_hi":"53.04071","approve_lo":"29.8273","disapp rove_estimate":"52.001","disapprove_hi":"63.36577","disapprove_lo":"40.63623"},{"d ate":"2019-04-13","future":true,"subgroup":"All polls","approve_estimate":"41.4356 7", approve_hi": "53.06555", approve_lo": "29.8058", disapprove_estimate": "51.998" 6", "disapprove_hi": "63.38701", "disapprove_lo": "40.61018"}, { "date": "2019-04-14", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.43731", "approve_hi": "53.0 9034", "approve_lo": "29.78428", "disapprove_estimate": "51.99622", "disapprove_hi": "6 3.40826", "disapprove_lo": "40.58417"}, { "date": "2019-04-15", "future": true, "subgrou p":"All polls", "approve_estimate":"41.43892", "approve_hi":"53.1151", "approve_l o":"29.76274", "disapprove_estimate":"51.99386", "disapprove_hi":"63.42953", "disappr ove_lo":"40.55819"},{"date":"2019-04-16","future":true,"subgroup":"All polls","app rove estimate":"41.4405", "approve hi":"53.13982", "approve lo":"29.74118", "disappro

ve_estimate":"51.99153","disapprove_hi":"63.4508","disapprove_lo":"40.53225"},{"da te":"2019-04-17","future":true,"subgroup":"All polls","approve_estimate":"41.4420 6", "approve_hi": "53.16451", "approve_lo": "29.71962", "disapprove_estimate": "51.9892 2", "disapprove_hi": "63.47209", "disapprove_lo": "40.50636"}, {"date": "2019-04-18", "fu ture":true, "subgroup": "All polls", "approve_estimate": "41.44359", "approve_hi": "53.1 8915", "approve_lo": "29.69803", "disapprove_estimate": "51.98694", "disapprove_hi": "6 3.49339", "disapprove_lo": "40.48049"}, { "date": "2019-04-19", "future": true, "subgrou p":"All polls", "approve_estimate":"41.4451", "approve_hi":"53.21376", "approve_l o":"29.67643","disapprove_estimate":"51.98468","disapprove_hi":"63.51469","disappr ove_lo":"40.45467"},{"date":"2019-04-20","future":true,"subgroup":"All polls","app rove_estimate":"41.44658","approve_hi":"53.23833","approve_lo":"29.65482","disappr ove_estimate":"51.98244","disapprove_hi":"63.53601","disapprove_lo":"40.42888"}, {"date":"2019-04-21","future":true,"subgroup":"All polls","approve_estimate":"41.4 4802", "approve_hi": "53.26287", "approve_lo": "29.63318", "disapprove_estimate": "51.98 023", "disapprove_hi": "63.55733", "disapprove_lo": "40.40312"}, { "date": "2019-04-2 2", "future": true, "subgroup": "All polls", "approve_estimate": "41.44945", "approve_h i":"53.28736", "approve_lo":"29.61154", "disapprove_estimate":"51.97804", "disapprove _hi":"63.57867","disapprove_lo":"40.3774"},{"date":"2019-04-23","future":true,"sub group":"All polls","approve_estimate":"41.45085","approve_hi":"53.31183","approve_ lo":"29.58988","disapprove_estimate":"51.97587","disapprove_hi":"63.60003","disapp rove_lo":"40.35172"},{"date":"2019-04-24","future":true,"subgroup":"All polls","ap prove_estimate":"41.45223","approve_hi":"53.33626","approve_lo":"29.5682","disappr ove_estimate":"51.97373","disapprove_hi":"63.62138","disapprove_lo":"40.32607"}, {"date":"2019-04-25","future":true,"subgroup":"All polls","approve_estimate":"41.4 5358", "approve_hi": "53.36065", "approve_lo": "29.54651", "disapprove_estimate": "51.97 16", "disapprove_hi": "63.64275", "disapprove_lo": "40.30045"}, {"date": "2019-04-26", "f uture":true, "subgroup": "All polls", "approve_estimate": "41.4549", "approve_hi": "53.3 85", "approve_lo": "29.5248", "disapprove_estimate": "51.96951", "disapprove_hi": "63.66 413", "disapprove_lo": "40.27488"}, {"date": "2019-04-27", "future": true, "subgroup": "Al 1 polls", "approve_estimate": "41.4562", "approve_hi": "53.40932", "approve_lo": "29.503 08", "disapprove estimate": "51.96742", "disapprove hi": "63.68552", "disapprove lo": "4 0.24932"},{"date":"2019-04-28","future":true,"subgroup":"All polls","approve_estim ate":"41.45748", "approve_hi":"53.43361", "approve_lo":"29.48134", "disapprove_estima te":"51.96537","disapprove_hi":"63.70692","disapprove_lo":"40.22382"},{"date":"201 9-04-29", "future": true, "subgroup": "All polls", "approve_estimate": "41.45873", "appro ve_hi":"53.45786","approve_lo":"29.45959","disapprove_estimate":"51.96333","disapp rove_hi":"63.72832","disapprove_lo":"40.19833"},{"date":"2019-04-30","future":tru e, "subgroup": "All polls", "approve_estimate": "41.45996", "approve_hi": "53.48209", "ap prove_lo":"29.43783","disapprove_estimate":"51.96131","disapprove_hi":"63.7497 4", "disapprove_lo": "40.17288"}, { "date": "2019-05-01", "future": true, "subgroup": "All polls", "approve_estimate": "41.46116", "approve_hi": "53.50627", "approve_lo": "29.4160 5","disapprove_estimate":"51.95932","disapprove_hi":"63.77116","disapprove_lo":"4 0.14747"},{"date":"2019-05-02","future":true,"subgroup":"All polls","approve_estim ate":"41.46234", "approve_hi":"53.53042", "approve_lo":"29.39425", "disapprove_estima te":"51.95734", "disapprove_hi":"63.7926", "disapprove_lo":"40.12208"}, {"date":"2019 -05-03", "future":true, "subgroup": "All polls", "approve_estimate": "41.46349", "approv e_hi":"53.55454","approve_lo":"29.37245","disapprove_estimate":"51.95539","disappr ove_hi":"63.81404","disapprove_lo":"40.09673"},{"date":"2019-05-04","future":tru e,"subgroup":"All polls","approve_estimate":"41.46463","approve_hi":"53.57863","ap prove lo":"29.35062", "disapprove estimate": "51.95345", "disapprove hi": "63.8354 9", "disapprove_lo": "40.07141"}, { "date": "2019-05-05", "future": true, "subgroup": "All polls", "approve_estimate": "41.46573", "approve_hi": "53.60268", "approve_lo": "29.3287 9", "disapprove_estimate": "51.95154", "disapprove_hi": "63.85696", "disapprove_lo": "4 0.04612"},{"date":"2019-05-06","future":true,"subgroup":"All polls","approve_estim ate":"41.46682", "approve_hi":"53.6267", "approve_lo":"29.30694", "disapprove_estimat e":"51.94964", "disapprove_hi":"63.87843", "disapprove_lo":"40.02086"}, {"date":"2019

-05-07", "future":true, "subgroup": "All polls", "approve_estimate": "41.46788", "approv e_hi":"53.65069","approve_lo":"29.28507","disapprove_estimate":"51.94777","disappr ove hi": "63.8999", "disapprove lo": "39.99563" }, { "date": "2019-05-08", "future": tru e, "subgroup": "All polls", "approve_estimate": "41.46892", "approve_hi": "53.67464", "ap prove_lo":"29.2632","disapprove_estimate":"51.94591","disapprove_hi":"63.92139","d isapprove_lo":"39.97043"},{"date":"2019-05-09","future":true,"subgroup":"All poll s", "approve_estimate": "41.46994", "approve_hi": "53.69857", "approve_lo": "29.2413 1", "disapprove_estimate": "51.94407", "disapprove_hi": "63.94288", "disapprove_lo": "3 9.94526"},{"date":"2019-05-10","future":true,"subgroup":"All polls","approve estim ate":"41.47093", "approve_hi":"53.72246", "approve_lo":"29.2194", "disapprove_estimat e":"51.94225", "disapprove_hi":"63.96438", "disapprove_lo":"39.92012"}, {"date":"2019 -05-11", "future":true, "subgroup": "All polls", "approve_estimate": "41.4719", "approve _hi":"53.74633","approve_lo":"29.19748","disapprove_estimate":"51.94044","disappro ve_hi":"63.98589","disapprove_lo":"39.895"},{"date":"2019-05-12","future":true,"su bgroup": "All polls", "approve estimate": "41.47285", "approve hi": "53.77016", "approve _lo":"29.17555","disapprove_estimate":"51.93866","disapprove_hi":"64.0074","disapp rove_lo":"39.86993"},{"date":"2019-05-13","future":true,"subgroup":"All polls","ap prove_estimate":"41.47378","approve_hi":"53.79396","approve_lo":"29.15361","disapp rove_estimate":"51.9369","disapprove_hi":"64.02892","disapprove_lo":"39.84487"}, {"date":"2019-05-14", "future":true, "subgroup": "All polls", "approve_estimate":"41.4 7469", "approve_hi": "53.81773", "approve_lo": "29.13165", "disapprove_estimate": "51.93 515", "disapprove_hi": "64.05045", "disapprove_lo": "39.81984"}'

(Passed!)

Exercise 1 (3 points). Complete the function, extract_approval_estimates(data_substr), below. It takes as input a string, data_substr, which would be a data substring like the one returned by extract approval raw(). It should return a **dictionary** where

- each key is a date, stored as a string in the form '2017-01-23' (without the quotes);
- each corresponding value is the approval rating, stored as a float.

For example, executing

```
approvals = extract_approval_estimates(data_substr)
    print(type(approvals['2017-01-23']), approvals['2017-01-23'])
should display <class 'float'> 45.46693 . (Refer to the first entry of ratings from the
PDF, which begins on page 50.)
```

Also, your function should keep **only** records for which "future":false, that is, **it should not include the extrapolated values**.

You may make the following assumptions:

- 1. Dates are *not* duplicated.
- 2. All encountered dates have valid approval estimates.
- 3. All data records are encoded using the same pattern as shown in the file snippets above.

```
In [ ]: import ast, json
        def extract_approval_estimates(data_substr):
            assert isinstance(data_substr, str), "`data_substr` is not a string."
            assert data_substr[0] == '{' and data_substr[-1] == '}', "Input may be malforme
            pattern = r"\setminus{[^{\{\}}]+\setminus}"
            # Use re.findall() to find all matches of the pattern in the text
            dict_strings = re.findall(pattern, (data_substr))
            app_dict = {}
            # Convert each JSON string to a dictionary
            dict_list = [json.loads(s) for s in dict_strings]
            for dict in dict_list:
                 if dict['future'] is False:
                     app_dict[dict['date']] = float(dict['approve_estimate'])
            return app_dict
         approvals = extract_approval_estimates(raw_data)
         # print("Found {} data records.".format(len(approvals)))
         approvals
```

```
Out[]: {'2017-01-23': 45.46693,
          '2017-01-24': 45.44264,
          '2017-01-25': 47.76497,
          '2017-01-26': 44.37598,
          '2017-01-27': 44.13586,
          '2017-01-28': 43.87527,
          '2017-01-29': 44.14589,
          '2017-01-30': 44.09903,
          '2017-01-31': 44.34048,
          '2017-02-01': 44.79341,
          '2017-02-02': 44.81124,
          '2017-02-03': 44.21341,
          '2017-02-04': 44.23746,
          '2017-02-05': 44.43742,
          '2017-02-06': 44.42256,
          '2017-02-07': 44.65995,
          '2017-02-08': 44.50491,
          '2017-02-09': 44.34582,
          '2017-02-10': 44.28156,
          '2017-02-11': 44.42348,
          '2017-02-12': 44.30565,
          '2017-02-13': 43.46242,
          '2017-02-14': 44.47177,
          '2017-02-15': 44.49281,
          '2017-02-16': 44.57693,
          '2017-02-17': 44.46416,
          '2017-02-18': 44.31153,
          '2017-02-19': 44.10547,
          '2017-02-20': 43.83627,
          '2017-02-21': 43.66503,
          '2017-02-22': 42.54541,
          '2017-02-23': 43.00062,
          '2017-02-24': 43.10133,
          '2017-02-25': 42.99247,
          '2017-02-26': 42.94234,
          '2017-02-27': 42.97042,
          '2017-02-28': 42.93886,
          '2017-03-01': 43.75505,
          '2017-03-02': 43.71027,
          '2017-03-03': 43.90226,
          '2017-03-04': 43.90226,
          '2017-03-05': 43.93693,
          '2017-03-06': 44.08371,
          '2017-03-07': 44.3455,
          '2017-03-08': 44.33974,
          '2017-03-09': 44.25294,
          '2017-03-10': 44.51029,
          '2017-03-11': 44.6835,
          '2017-03-12': 44.76669,
          '2017-03-13': 44.53927,
          '2017-03-14': 44.29615,
          '2017-03-15': 43.732,
          '2017-03-16': 43.59192,
          '2017-03-17': 43.36182,
          '2017-03-18': 42.70947,
          '2017-03-19': 42.48279,
```

'2017-03-20': 42.56183, '2017-03-21': 42.41769, '2017-03-22': 42.34076, '2017-03-23': 42.28773, '2017-03-24': 42.15625, '2017-03-25': 42.14841, '2017-03-26': 42.08798, '2017-03-27': 41.81089, '2017-03-28': 41.55795, '2017-03-29': 41.20364, '2017-03-30': 40.63618, '2017-03-31': 40.48179, '2017-04-01': 40.54905, '2017-04-02': 40.44848, '2017-04-03': 39.84783, '2017-04-04': 40.01525, '2017-04-05': 40.66016, '2017-04-06': 40.41075, '2017-04-07': 40.38835, '2017-04-08': 40.40128, '2017-04-09': 40.41701, '2017-04-10': 40.87731, '2017-04-11': 41.51326, '2017-04-12': 41.64417, '2017-04-13': 41.44421, '2017-04-14': 41.27088, '2017-04-15': 41.23275, '2017-04-16': 41.34031, '2017-04-17': 41.62966, '2017-04-18': 41.70159, '2017-04-19': 41.92009, '2017-04-20': 42.02447, '2017-04-21': 41.89439, '2017-04-22': 41.88213, '2017-04-23': 41.63386, '2017-04-24': 41.76186, '2017-04-25': 41.42433, '2017-04-26': 41.98724, '2017-04-27': 42.1408, '2017-04-28': 41.9548, '2017-04-29': 41.99678, '2017-04-30': 41.98776, '2017-05-01': 41.87309, '2017-05-02': 41.99481, '2017-05-03': 42.38294, '2017-05-04': 42.42966, '2017-05-05': 42.33636, '2017-05-06': 42.17928, '2017-05-07': 42.13611, '2017-05-08': 42.16862, '2017-05-09': 41.93328, '2017-05-10': 41.21492, '2017-05-11': 41.15792, '2017-05-12': 41.12946, '2017-05-13': 41.08303, '2017-05-14': 40.63778,

'2017-05-15': 40.50564, '2017-05-16': 39.90671, '2017-05-17': 39.6813, '2017-05-18': 39.45036, '2017-05-19': 38.86071, '2017-05-20': 38.80148, '2017-05-21': 38.83015, '2017-05-22': 38.78198, '2017-05-23': 39.14797, '2017-05-24': 38.99393, '2017-05-25': 39.05955, '2017-05-26': 39.28042, '2017-05-27': 39.27729, '2017-05-28': 39.3673, '2017-05-29': 39.3634, '2017-05-30': 39.21078, '2017-05-31': 39.14719, '2017-06-01': 39.11364, '2017-06-02': 39.10624, '2017-06-03': 38.9981, '2017-06-04': 38.89021, '2017-06-05': 38.99826, '2017-06-06': 38.60328, '2017-06-07': 38.28024, '2017-06-08': 38.24259, '2017-06-09': 38.04195, '2017-06-10': 38.12778, '2017-06-11': 38.09373, '2017-06-12': 38.29467, '2017-06-13': 38.25534, '2017-06-14': 38.3791. '2017-06-15': 38.38903, '2017-06-16': 38.66948, '2017-06-17': 38.7223, '2017-06-18': 38.73221, '2017-06-19': 38.71433, '2017-06-20': 38.62213, '2017-06-21': 38.40358, '2017-06-22': 38.74978, '2017-06-23': 39.77451, '2017-06-24': 39.66325, '2017-06-25': 39.58413, '2017-06-26': 39.46778, '2017-06-27': 38.71787, '2017-06-28': 39.3798, '2017-06-29': 39.93516, '2017-06-30': 39.60293, '2017-07-01': 39.58723, '2017-07-02': 39.51341, '2017-07-03': 39.52999, '2017-07-04': 39.41248, '2017-07-05': 39.03904, '2017-07-06': 39.00697, '2017-07-07': 39.01347, '2017-07-08': 39.03389, '2017-07-09': 39.08517,

'2017-07-10': 39.12117, '2017-07-11': 39.24297, '2017-07-12': 39.29457, '2017-07-13': 39.25278, '2017-07-14': 39.14643, '2017-07-15': 39.09839, '2017-07-16': 38.60715, '2017-07-17': 38.81894, '2017-07-18': 38.72128, '2017-07-19': 38.71251, '2017-07-20': 38.6458, '2017-07-21': 38.3734, '2017-07-22': 38.41841, '2017-07-23': 38.4932, '2017-07-24': 39.05289, '2017-07-25': 38.38955, '2017-07-26': 38.54961, '2017-07-27': 38.54928, '2017-07-28': 38.35725, '2017-07-29': 38.38412, '2017-07-30': 38.35231, '2017-07-31': 38.20862, '2017-08-01': 37.76429, '2017-08-02': 37.04735, '2017-08-03': 37.01992, '2017-08-04': 36.91279, '2017-08-05': 36.95828, '2017-08-06': 36.98021, '2017-08-07': 36.60229, '2017-08-08': 36.90808, '2017-08-09': 36.86343, '2017-08-10': 36.93701, '2017-08-11': 37.56736, '2017-08-12': 37.62228, '2017-08-13': 37.57039, '2017-08-14': 37.39813, '2017-08-15': 37.63694, '2017-08-16': 37.33916, '2017-08-17': 37.85554, '2017-08-18': 37.79533, '2017-08-19': 37.79533, '2017-08-20': 37.72692, '2017-08-21': 37.05765, '2017-08-22': 36.81282, '2017-08-23': 36.92514, '2017-08-24': 37.01527, '2017-08-25': 36.91675, '2017-08-26': 36.93331, '2017-08-27': 36.92144, '2017-08-28': 36.92813, '2017-08-29': 36.82207, '2017-08-30': 37.31853, '2017-08-31': 37.22177, '2017-09-01': 37.3336, '2017-09-02': 37.28516, '2017-09-03': 37.35038,

'2017-09-04': 37.50347, '2017-09-05': 37.76652, '2017-09-06': 38.21691, '2017-09-07': 38.37829, '2017-09-08': 38.68817, '2017-09-09': 38.76101, '2017-09-10': 38.75933, '2017-09-11': 38.71809, '2017-09-12': 38.1081, '2017-09-13': 38.20712, '2017-09-14': 38.48572, '2017-09-15': 38.85391, '2017-09-16': 38.79293, '2017-09-17': 38.79023, '2017-09-18': 38.90175, '2017-09-19': 38.85189, '2017-09-20': 39.06307, '2017-09-21': 39.45935, '2017-09-22': 39.49464, '2017-09-23': 39.44529, '2017-09-24': 39.59408, '2017-09-25': 39.6704, '2017-09-26': 38.92197, '2017-09-27': 38.79216, '2017-09-28': 38.82832, '2017-09-29': 38.62467, '2017-09-30': 38.61241, '2017-10-01': 38.66099, '2017-10-02': 38.52001, '2017-10-03': 38.61701, '2017-10-04': 38.92259, '2017-10-05': 38.81237, '2017-10-06': 38.1001, '2017-10-07': 38.13292, '2017-10-08': 38.10051, '2017-10-09': 38.02188, '2017-10-10': 37.45793, '2017-10-11': 37.7519, '2017-10-12': 37.85408, '2017-10-13': 37.6958, '2017-10-14': 37.62886, '2017-10-15': 37.66046, '2017-10-16': 38.14785, '2017-10-17': 37.98654, '2017-10-18': 38.07331, '2017-10-19': 37.96664, '2017-10-20': 37.84346, '2017-10-21': 37.86096, '2017-10-22': 37.85255, '2017-10-23': 37.48936, '2017-10-24': 37.1561, '2017-10-25': 37.07568, '2017-10-26': 37.46911, '2017-10-27': 37.30399, '2017-10-28': 37.29323, '2017-10-29': 37.26856,

'2017-10-30': 37.26442, '2017-10-31': 37.24255, '2017-11-01': 37.75723, '2017-11-02': 37.97559, '2017-11-03': 37.8332, '2017-11-04': 37.88012, '2017-11-05': 37.78851, '2017-11-06': 37.69767, '2017-11-07': 37.55069, '2017-11-08': 37.58189, '2017-11-09': 37.65916, '2017-11-10': 37.85893, '2017-11-11': 37.91284, '2017-11-12': 37.98497, '2017-11-13': 38.07273, '2017-11-14': 38.05358, '2017-11-15': 38.08255, '2017-11-16': 38.12582, '2017-11-17': 38.07958, '2017-11-18': 38.19148, '2017-11-19': 38.1493, '2017-11-20': 38.11539, '2017-11-21': 38.16841, '2017-11-22': 38.41062, '2017-11-23': 38.42519, '2017-11-24': 38.42519, '2017-11-25': 38.44119, '2017-11-26': 38.39222, '2017-11-27': 38.3837, '2017-11-28': 38.24538, '2017-11-29': 38.42575, '2017-11-30': 38.16322, '2017-12-01': 38.00967, '2017-12-02': 37.90633, '2017-12-03': 37.89624, '2017-12-04': 37.86093, '2017-12-05': 37.90712, '2017-12-06': 37.84785, '2017-12-07': 37.27071, '2017-12-08': 37.28476, '2017-12-09': 37.26849, '2017-12-10': 37.12042, '2017-12-11': 37.07095, '2017-12-12': 37.17878, '2017-12-13': 36.66145, '2017-12-14': 37.07505, '2017-12-15': 36.45856, '2017-12-16': 36.40314, '2017-12-17': 37.00387, '2017-12-18': 37.21277, '2017-12-19': 37.10143, '2017-12-20': 37.20605, '2017-12-21': 37.0453, '2017-12-22': 37.14611, '2017-12-23': 37.25974, '2017-12-24': 37.3656,

'2017-12-25': 37.3656, '2017-12-26': 37.38361, '2017-12-27': 37.53883, '2017-12-28': 37.73159, '2017-12-29': 37.71204, '2017-12-30': 37.73003, '2017-12-31': 37.8654, '2018-01-01': 37.8654, '2018-01-02': 38.12047, '2018-01-03': 38.16097, '2018-01-04': 38.47328, '2018-01-05': 38.82547, '2018-01-06': 38.82547, '2018-01-07': 38.82547, '2018-01-08': 38.69312, '2018-01-09': 38.73449, '2018-01-10': 39.22063, '2018-01-11': 39.10347, '2018-01-12': 39.10097, '2018-01-13': 39.10097, '2018-01-14': 39.10097, '2018-01-15': 39.29245, '2018-01-16': 39.78146, '2018-01-17': 40.20608, '2018-01-18': 39.75453, '2018-01-19': 39.47084, '2018-01-20': 39.47084, '2018-01-21': 39.11164, '2018-01-22': 38.66162, '2018-01-23': 38.35379, '2018-01-24': 39.18694, '2018-01-25': 39.04172, '2018-01-26': 38.82256, '2018-01-27': 38.82256, '2018-01-28': 38.82256, '2018-01-29': 38.78343, '2018-01-30': 38.99561, '2018-01-31': 39.52642, '2018-02-01': 39.77913, '2018-02-02': 40.19921, '2018-02-03': 40.20801, '2018-02-04': 40.20801, '2018-02-05': 40.37448, '2018-02-06': 40.13234, '2018-02-07': 40.71095, '2018-02-08': 40.81161, '2018-02-09': 40.83043, '2018-02-10': 40.83043, '2018-02-11': 40.83043, '2018-02-12': 40.91967, '2018-02-13': 40.98163, '2018-02-14': 41.42786, '2018-02-15': 41.45908, '2018-02-16': 41.3879, '2018-02-17': 41.3879, '2018-02-18': 41.3879,

'2018-02-19': 41.14141, '2018-02-20': 40.9889, '2018-02-21': 40.54642, '2018-02-22': 40.57474, '2018-02-23': 40.01941, '2018-02-24': 40.01941, '2018-02-25': 39.07833, '2018-02-26': 39.37048, '2018-02-27': 39.63747, '2018-02-28': 40.03228, '2018-03-01': 40.59626, '2018-03-02': 40.41828, '2018-03-03': 40.41828, '2018-03-04': 40.41828, '2018-03-05': 40.38741, '2018-03-06': 40.47234, '2018-03-07': 40.2174, '2018-03-08': 40.62883, '2018-03-09': 40.67968, '2018-03-10': 40.67968, '2018-03-11': 40.67968, '2018-03-12': 40.65869, '2018-03-13': 40.52831, '2018-03-14': 40.42437, '2018-03-15': 40.46296, '2018-03-16': 40.24184, '2018-03-17': 40.24184, '2018-03-18': 40.5158, '2018-03-19': 40.73995, '2018-03-20': 40.73125, '2018-03-21': 40.58772. '2018-03-22': 40.63551, '2018-03-23': 40.67521, '2018-03-24': 40.41634, '2018-03-25': 40.74137, '2018-03-26': 41.09504, '2018-03-27': 40.46638, '2018-03-28': 40.19111, '2018-03-29': 40.21669, '2018-03-30': 40.54322, '2018-03-31': 40.54322, '2018-04-01': 40.54322, '2018-04-02': 40.62948, '2018-04-03': 40.39435, '2018-04-04': 40.30183, '2018-04-05': 40.22276, '2018-04-06': 39.96867, '2018-04-07': 39.96867, '2018-04-08': 39.96867, '2018-04-09': 40.23806, '2018-04-10': 40.60616, '2018-04-11': 40.6097, '2018-04-12': 40.63083, '2018-04-13': 40.77415, '2018-04-14': 40.77415, '2018-04-15': 40.59587,

'2018-04-16': 40.70876, '2018-04-17': 40.59293, '2018-04-18': 40.16125, '2018-04-19': 40.21317, '2018-04-20': 40.28197, '2018-04-21': 40.28197, '2018-04-22': 40.28197, '2018-04-23': 40.16019, '2018-04-24': 40.34375, '2018-04-25': 40.51619, '2018-04-26': 40.59169, '2018-04-27': 40.59867, '2018-04-28': 40.37253, '2018-04-29': 40.37253, '2018-04-30': 40.64146, '2018-05-01': 41.21312, '2018-05-02': 41.15172, '2018-05-03': 41.31839, '2018-05-04': 41.41713, '2018-05-05': 42.0897, '2018-05-06': 42.0897, '2018-05-07': 42.01726, '2018-05-08': 41.90759, '2018-05-09': 41.8737, '2018-05-10': 41.96571, '2018-05-11': 42.02566, '2018-05-12': 42.12308, '2018-05-13': 42.12308, '2018-05-14': 42.09991, '2018-05-15': 42.32984, '2018-05-16': 42.14801. '2018-05-17': 42.26259, '2018-05-18': 42.38191, '2018-05-19': 42.38191, '2018-05-20': 42.38191, '2018-05-21': 42.01738, '2018-05-22': 42.2518, '2018-05-23': 42.15873, '2018-05-24': 42.22643, '2018-05-25': 42.25806, '2018-05-26': 42.70038, '2018-05-27': 42.70038, '2018-05-28': 42.58736, '2018-05-29': 42.40171, '2018-05-30': 42.29955, '2018-05-31': 41.64616, '2018-06-01': 41.61631, '2018-06-02': 41.60918, '2018-06-03': 41.60918, '2018-06-04': 41.60794, '2018-06-05': 41.41488, '2018-06-06': 41.31416, '2018-06-07': 41.86653, '2018-06-08': 41.77634, '2018-06-09': 41.62884, '2018-06-10': 41.62884,

'2018-06-11': 41.50231, '2018-06-12': 41.56427, '2018-06-13': 41.43065, '2018-06-14': 41.79745, '2018-06-15': 42.0946, '2018-06-16': 42.0946, '2018-06-17': 42.0946, '2018-06-18': 42.23578, '2018-06-19': 42.30142, '2018-06-20': 42.51168, '2018-06-21': 42.56531, '2018-06-22': 42.37092, '2018-06-23': 42.37092, '2018-06-24': 42.49755, '2018-06-25': 42.29508, '2018-06-26': 42.19255, '2018-06-27': 41.87872, '2018-06-28': 41.89148, '2018-06-29': 41.75614, '2018-06-30': 41.75614, '2018-07-01': 41.79801, '2018-07-02': 42.00296, '2018-07-03': 41.83677, '2018-07-04': 41.83677, '2018-07-05': 41.8582, '2018-07-06': 42.24339, '2018-07-07': 42.24339, '2018-07-08': 42.20303, '2018-07-09': 42.13817, '2018-07-10': 41.86861, '2018-07-11': 41.96289, '2018-07-12': 42.28969, '2018-07-13': 42.06443, '2018-07-14': 42.03181, '2018-07-15': 42.03181, '2018-07-16': 42.12241, '2018-07-17': 42.0509, '2018-07-18': 41.76017, '2018-07-19': 41.78589, '2018-07-20': 41.78527, '2018-07-21': 41.71679, '2018-07-22': 41.9939, '2018-07-23': 41.7831, '2018-07-24': 41.37473, '2018-07-25': 41.33853, '2018-07-26': 41.2835, '2018-07-27': 41.47915, '2018-07-28': 41.47915, '2018-07-29': 41.20658, '2018-07-30': 41.30453, '2018-07-31': 41.41338, '2018-08-01': 41.299, '2018-08-02': 41.43415, '2018-08-03': 41.43453, '2018-08-04': 41.43453, '2018-08-05': 41.43453,

```
'2018-08-06': 41.46711,
          '2018-08-07': 41.45063,
          '2018-08-08': 41.71214,
          '2018-08-09': 41.91957,
          '2018-08-10': 41.9125,
          '2018-08-11': 41.9125,
          '2018-08-12': 41.9125,
          '2018-08-13': 41.81873,
          '2018-08-14': 42.20527,
          '2018-08-15': 42.05485,
          '2018-08-16': 42.11238,
          '2018-08-17': 41.97367,
          '2018-08-18': 41.97367,
          '2018-08-19': 41.97367,
          '2018-08-20': 42.2604,
          '2018-08-21': 41.77507,
          '2018-08-22': 42.12536,
          '2018-08-23': 42.08969,
          '2018-08-24': 41.46597,
          '2018-08-25': 41.46597,
          '2018-08-26': 41.88652,
          '2018-08-27': 41.86845,
          '2018-08-28': 41.37738,
          '2018-08-29': 41.44618,
          '2018-08-30': 41.50489,
          '2018-08-31': 40.25376,
          '2018-09-01': 40.25376,
          '2018-09-02': 40.25376,
          '2018-09-03': 40.05969,
          '2018-09-04': 40.05544,
          '2018-09-05': 39.89795,
          '2018-09-06': 40.0058}
In [ ]: # Test cell 0: test__extract_approval_estimates__0 (2 points)
        num_approvals_expected, min_date_expected, max_date_expected = 592, '2017-01-23',
        approvals = extract approval estimates(raw data)
        assert isinstance(approvals, dict), "Your function returned an object of type {} in
        assert len(approvals) == num_approvals_expected, \
                "Your function should have found {} records but has {} instead, which is too
        for date_expected, date_occurred in zip([min_date_expected, max_date_expected],
                                                  [min(approvals.keys()), max(approvals.keys())
            assert date_occurred == date_expected, "A record for {} is missing!".format(dat
        print("\n(Passed!)")
       (Passed!)
In [ ]: # Test cell 1: test__extract_approval_estimates__1_HIDDEN (1 points)
        def sample ratings(ratings, k):
            from random import sample
            ratings_sample = []
```

```
for date in sample(ratings.keys(), k):
                 ratings_sample.append((date, ratings[date]))
            return ratings sample
        if False:
            print(sample_ratings(approvals, 20))
        import math
        sample approvals = [('2017-06-04', 38.89021), ('2017-10-30', 37.26442), ('2017-03-0)]
        for date, value in sample_approvals:
            assert date in approvals, "Approvals is missing a record for the date '{}'!".fo
            assert math.isclose(approvals[date], value, abs_tol=1e-5), \
                    "Approval rating for {} should be {}, not {}.".format(date, value, appro
        print("\n(Passed!)")
       (Passed!)
        Exercise 2 (2 points). Complete the function,
         extract_disapproval_estimates(data_substr), below. It should behave just like
         extract approval estimates() except that it should extract disapproval estimates
        rather than approval estimates.
        For instance, executing
        disapprovals = extract_disapproval_estimates(raw_data)
        print(type(disapprovals['2017-01-23']), disapprovals['2017-01-23'])
        should display, <class 'float'> 41.26452.
In [ ]: def extract_disapproval_estimates(data_substr):
            assert isinstance(data_substr, str), "`data_substr` is not a string."
            assert data_substr[0] == '{' and data_substr[-1] == '}', "Input may be malforme
            pattern = r" \{ [^{}] + \} "
            # Use re.findall() to find all matches of the pattern in the text
            dict_strings = re.findall(pattern, (data_substr))
            app dict = {}
            # Convert each JSON string to a dictionary
            dict_list = [json.loads(s) for s in dict_strings]
            for dict in dict_list:
                 if dict['future'] is False:
                     app_dict[dict['date']] = float(dict['disapprove_estimate'])
            return app_dict
        disapprovals = extract_disapproval_estimates(raw_data)
        print("Found {} data records.".format(len(disapprovals)))
       Found 592 data records.
In [ ]: disapprovals
```

```
Out[]: {'2017-01-23': 41.26452,
          '2017-01-24': 41.87849,
          '2017-01-25': 42.52911,
          '2017-01-26': 41.06081,
          '2017-01-27': 41.67268,
          '2017-01-28': 41.91362,
          '2017-01-29': 42.2247,
          '2017-01-30': 42.45613,
          '2017-01-31': 43.45351,
          '2017-02-01': 44.69287,
          '2017-02-02': 44.79839,
          '2017-02-03': 47.06427,
          '2017-02-04': 47.03533,
          '2017-02-05': 47.4848,
          '2017-02-06': 48.03367,
          '2017-02-07': 48.71205,
          '2017-02-08': 48.8634,
          '2017-02-09': 49.3256,
          '2017-02-10': 49.35836,
          '2017-02-11': 49.29364,
          '2017-02-12': 49.4447,
          '2017-02-13': 50.64742,
          '2017-02-14': 50.36843,
          '2017-02-15': 50.23329,
          '2017-02-16': 50.21927,
          '2017-02-17': 50.34889,
          '2017-02-18': 50.62162,
          '2017-02-19': 50.62915,
          '2017-02-20': 50.03596,
          '2017-02-21': 50.16118,
          '2017-02-22': 50.79599,
          '2017-02-23': 49.79304,
          '2017-02-24': 49.82072,
          '2017-02-25': 49.87163,
          '2017-02-26': 49.97172,
          '2017-02-27': 50.10254,
          '2017-02-28': 50.21992,
          '2017-03-01': 49.75748,
          '2017-03-02': 49.87239,
          '2017-03-03': 49.85654,
          '2017-03-04': 49.85654,
          '2017-03-05': 49.72623,
          '2017-03-06': 49.29635,
          '2017-03-07': 48.89124,
          '2017-03-08': 49.15517,
          '2017-03-09': 49.22272,
          '2017-03-10': 49.00035,
          '2017-03-11': 48.83847,
          '2017-03-12': 48.7696,
          '2017-03-13': 48.95186,
          '2017-03-14': 49.32653,
          '2017-03-15': 49.82358,
          '2017-03-16': 50.67634,
          '2017-03-17': 50.8023,
          '2017-03-18': 51.48524,
          '2017-03-19': 51.70201,
```

'2017-03-20': 51.57077, '2017-03-21': 51.82015, '2017-03-22': 51.67672, '2017-03-23': 51.76073, '2017-03-24': 52.08948, '2017-03-25': 52.09206, '2017-03-26': 52.08815, '2017-03-27': 52.25573, '2017-03-28': 52.38742, '2017-03-29': 52.53189, '2017-03-30': 53.55639, '2017-03-31': 53.06938, '2017-04-01': 53.0927, '2017-04-02': 53.17198, '2017-04-03': 53.59146, '2017-04-04': 53.67127, '2017-04-05': 53.16607, '2017-04-06': 53.69882, '2017-04-07': 53.89001, '2017-04-08': 53.86125, '2017-04-09': 53.82942, '2017-04-10': 53.21894, '2017-04-11': 52.52065, '2017-04-12': 52.36113, '2017-04-13': 52.70598, '2017-04-14': 51.87616, '2017-04-15': 51.88008, '2017-04-16': 51.77214, '2017-04-17': 51.48813, '2017-04-18': 51.38246, '2017-04-19': 51.80953, '2017-04-20': 52.04146, '2017-04-21': 52.33761, '2017-04-22': 52.33886, '2017-04-23': 52.87494, '2017-04-24': 52.74255, '2017-04-25': 52.85545, '2017-04-26': 52.19347, '2017-04-27': 52.32465, '2017-04-28': 52.67693, '2017-04-29': 52.56797, '2017-04-30': 52.59581, '2017-05-01': 52.76786, '2017-05-02': 52.65896, '2017-05-03': 51.87002, '2017-05-04': 51.85018, '2017-05-05': 51.93982, '2017-05-06': 52.08133, '2017-05-07': 52.09691, '2017-05-08': 52.08101, '2017-05-09': 52.1669, '2017-05-10': 52.84939, '2017-05-11': 52.87853, '2017-05-12': 52.89473, '2017-05-13': 52.949, '2017-05-14': 53.41823,

'2017-05-15': 53.57767, '2017-05-16': 54.10234, '2017-05-17': 54.27899, '2017-05-18': 54.28648, '2017-05-19': 54.87609, '2017-05-20': 54.87124, '2017-05-21': 54.86396, '2017-05-22': 54.95404, '2017-05-23': 54.91948, '2017-05-24': 54.72712, '2017-05-25': 54.67347, '2017-05-26': 54.5595, '2017-05-27': 54.57211, '2017-05-28': 54.49165, '2017-05-29': 54.5243, '2017-05-30': 54.80099, '2017-05-31': 54.78027, '2017-06-01': 54.811, '2017-06-02': 54.85807, '2017-06-03': 54.95428, '2017-06-04': 55.1037, '2017-06-05': 55.00614, '2017-06-06': 55.67593, '2017-06-07': 55.87093, '2017-06-08': 55.77963, '2017-06-09': 55.96476, '2017-06-10': 55.87754, '2017-06-11': 55.9653, '2017-06-12': 55.58596, '2017-06-13': 55.78836, '2017-06-14': 55.65119, '2017-06-15': 55.9732, '2017-06-16': 55.51431, '2017-06-17': 55.40695, '2017-06-18': 55.37252, '2017-06-19': 55.33969, '2017-06-20': 55.34938, '2017-06-21': 55.77647, '2017-06-22': 55.69723, '2017-06-23': 55.08252, '2017-06-24': 55.09979, '2017-06-25': 55.20745, '2017-06-26': 55.20918, '2017-06-27': 55.64397, '2017-06-28': 54.28488, '2017-06-29': 54.1336, '2017-06-30': 54.33164, '2017-07-01': 54.34242, '2017-07-02': 54.3523, '2017-07-03': 54.39137, '2017-07-04': 54.46843, '2017-07-05': 54.90335, '2017-07-06': 54.95916, '2017-07-07': 55.12906, '2017-07-08': 55.08215, '2017-07-09': 55.06653,

'2017-07-10': 55.04463, '2017-07-11': 55.10878, '2017-07-12': 54.95346, '2017-07-13': 55.00865, '2017-07-14': 55.23926, '2017-07-15': 55.3304, '2017-07-16': 55.70111, '2017-07-17': 55.38853, '2017-07-18': 55.6564, '2017-07-19': 55.67002, '2017-07-20': 55.76773, '2017-07-21': 55.72233, '2017-07-22': 55.68146, '2017-07-23': 55.55575, '2017-07-24': 55.13695, '2017-07-25': 55.60064, '2017-07-26': 55.35145, '2017-07-27': 55.34732, '2017-07-28': 55.68452, '2017-07-29': 55.72515, '2017-07-30': 55.75294, '2017-07-31': 56.1893, '2017-08-01': 56.74495, '2017-08-02': 57.46737, '2017-08-03': 57.37531, '2017-08-04': 57.43717, '2017-08-05': 57.26429, '2017-08-06': 57.27692, '2017-08-07': 57.36718, '2017-08-08': 57.43502, '2017-08-09': 57.23425, '2017-08-10': 57.06971, '2017-08-11': 56.34317, '2017-08-12': 56.35921, '2017-08-13': 56.46309, '2017-08-14': 56.64359, '2017-08-15': 55.55735, '2017-08-16': 55.03362, '2017-08-17': 54.9286, '2017-08-18': 55.39618, '2017-08-19': 55.39618, '2017-08-20': 55.43607, '2017-08-21': 56.54782, '2017-08-22': 57.00314, '2017-08-23': 56.83273, '2017-08-24': 56.76907, '2017-08-25': 57.15396, '2017-08-26': 57.17996, '2017-08-27': 57.19756, '2017-08-28': 57.2124, '2017-08-29': 57.44258, '2017-08-30': 57.14878, '2017-08-31': 57.22581, '2017-09-01': 57.26038, '2017-09-02': 57.30523, '2017-09-03': 57.18285,

'2017-09-04': 56.98285, '2017-09-05': 56.80103, '2017-09-06': 56.44203, '2017-09-07': 56.37593, '2017-09-08': 55.95134, '2017-09-09': 55.89272, '2017-09-10': 55.87571, '2017-09-11': 55.95098, '2017-09-12': 56.23722, '2017-09-13': 55.90915, '2017-09-14': 55.55937, '2017-09-15': 54.70395, '2017-09-16': 54.80883, '2017-09-17': 54.70402, '2017-09-18': 54.57581, '2017-09-19': 54.49646, '2017-09-20': 53.5909, '2017-09-21': 53.5658, '2017-09-22': 54.0083, '2017-09-23': 54.00235, '2017-09-24': 54.24086, '2017-09-25': 54.32408, '2017-09-26': 54.60735, '2017-09-27': 54.94124, '2017-09-28': 55.08244, '2017-09-29': 55.41434, '2017-09-30': 55.40293, '2017-10-01': 55.35896, '2017-10-02': 55.43917, '2017-10-03': 55.51572, '2017-10-04': 55.54972, '2017-10-05': 55.61481, '2017-10-06': 56.47272, '2017-10-07': 56.40413, '2017-10-08': 56.43702, '2017-10-09': 56.38805, '2017-10-10': 56.69799, '2017-10-11': 56.08387, '2017-10-12': 56.02977, '2017-10-13': 56.14555, '2017-10-14': 55.9846, '2017-10-15': 55.95942, '2017-10-16': 55.5671, '2017-10-17': 55.80103, '2017-10-18': 55.5466, '2017-10-19': 55.79045, '2017-10-20': 56.00579, '2017-10-21': 55.98836, '2017-10-22': 55.94585, '2017-10-23': 56.38719, '2017-10-24': 56.73306, '2017-10-25': 56.91793, '2017-10-26': 56.71981, '2017-10-27': 56.69308, '2017-10-28': 56.74607, '2017-10-29': 57.08418,

'2017-10-30': 57.09366, '2017-10-31': 57.15416, '2017-11-01': 56.76285, '2017-11-02': 56.40167, '2017-11-03': 56.58921, '2017-11-04': 56.50428, '2017-11-05': 56.69604, '2017-11-06': 56.73272, '2017-11-07': 56.80687, '2017-11-08': 56.68189, '2017-11-09': 56.5921, '2017-11-10': 56.11641, '2017-11-11': 56.08043, '2017-11-12': 55.9723, '2017-11-13': 55.89657, '2017-11-14': 55.78141, '2017-11-15': 55.61642, '2017-11-16': 55.66437, '2017-11-17': 55.4835, '2017-11-18': 55.45759, '2017-11-19': 55.70245, '2017-11-20': 55.75067, '2017-11-21': 56.02618, '2017-11-22': 55.54749, '2017-11-23': 55.50383, '2017-11-24': 55.50383, '2017-11-25': 55.45301, '2017-11-26': 55.54683, '2017-11-27': 55.51948, '2017-11-28': 55.60558, '2017-11-29': 55.55772, '2017-11-30': 55.75873, '2017-12-01': 55.9007, '2017-12-02': 56.05219, '2017-12-03': 56.08004, '2017-12-04': 56.09463, '2017-12-05': 56.05267, '2017-12-06': 55.80183, '2017-12-07': 56.42054, '2017-12-08': 56.4149, '2017-12-09': 56.41706, '2017-12-10': 56.69955, '2017-12-11': 56.75324, '2017-12-12': 57.00034, '2017-12-13': 56.84941, '2017-12-14': 56.79411, '2017-12-15': 57.43106, '2017-12-16': 57.50006, '2017-12-17': 57.35746, '2017-12-18': 56.7984, '2017-12-19': 57.38179, '2017-12-20': 56.98474, '2017-12-21': 57.23926, '2017-12-22': 57.08867, '2017-12-23': 57.0198, '2017-12-24': 56.87848,

'2017-12-25': 56.87848, '2017-12-26': 56.89546, '2017-12-27': 56.67389, '2017-12-28': 56.41101, '2017-12-29': 56.31897, '2017-12-30': 56.24842, '2017-12-31': 56.16106, '2018-01-01': 56.16106, '2018-01-02': 55.82487, '2018-01-03': 55.69035, '2018-01-04': 55.33284, '2018-01-05': 54.96257, '2018-01-06': 54.96257, '2018-01-07': 54.96257, '2018-01-08': 55.00991, '2018-01-09': 55.00918, '2018-01-10': 54.60398, '2018-01-11': 54.63946, '2018-01-12': 54.52315, '2018-01-13': 54.52315, '2018-01-14': 54.52315, '2018-01-15': 54.54089, '2018-01-16': 54.27212, '2018-01-17': 54.29126, '2018-01-18': 54.85685, '2018-01-19': 55.4662, '2018-01-20': 55.4662, '2018-01-21': 55.66471, '2018-01-22': 56.06828, '2018-01-23': 56.41224, '2018-01-24': 55.91165, '2018-01-25': 55.95849, '2018-01-26': 56.24937, '2018-01-27': 56.24937, '2018-01-28': 56.24937, '2018-01-29': 56.26638, '2018-01-30': 55.81257, '2018-01-31': 54.93532, '2018-02-01': 54.69682, '2018-02-02': 54.20677, '2018-02-03': 54.20181, '2018-02-04': 54.20181, '2018-02-05': 54.16125, '2018-02-06': 54.1513, '2018-02-07': 53.78003, '2018-02-08': 53.61358, '2018-02-09': 53.56587, '2018-02-10': 53.56587, '2018-02-11': 53.56587, '2018-02-12': 53.57592, '2018-02-13': 53.64082, '2018-02-14': 53.14172, '2018-02-15': 53.24955, '2018-02-16': 53.14198, '2018-02-17': 53.14198, '2018-02-18': 53.14198,

'2018-02-19': 53.41457, '2018-02-20': 53.43631, '2018-02-21': 54.18967, '2018-02-22': 53.90281, '2018-02-23': 54.44614, '2018-02-24': 54.44614, '2018-02-25': 55.58106, '2018-02-26': 55.20858, '2018-02-27': 54.95428, '2018-02-28': 54.5688, '2018-03-01': 54.11998, '2018-03-02': 54.26653, '2018-03-03': 54.26653, '2018-03-04': 54.26653, '2018-03-05': 54.30457, '2018-03-06': 53.97641, '2018-03-07': 54.10192, '2018-03-08': 53.62344, '2018-03-09': 53.42613, '2018-03-10': 53.42613, '2018-03-11': 53.42613, '2018-03-12': 53.42641, '2018-03-13': 53.88568, '2018-03-14': 53.99303, '2018-03-15': 53.65602, '2018-03-16': 53.87739, '2018-03-17': 53.87739, '2018-03-18': 53.84089, '2018-03-19': 53.55711, '2018-03-20': 53.52146, '2018-03-21': 53.42529, '2018-03-22': 53.40972, '2018-03-23': 53.18119, '2018-03-24': 53.52802, '2018-03-25': 53.48326, '2018-03-26': 53.39474, '2018-03-27': 53.6646, '2018-03-28': 53.63828, '2018-03-29': 53.6349, '2018-03-30': 53.42228, '2018-03-31': 53.42228, '2018-04-01': 53.42228, '2018-04-02': 53.48064, '2018-04-03': 53.6718, '2018-04-04': 53.75499, '2018-04-05': 53.80377, '2018-04-06': 53.99965, '2018-04-07': 53.99965, '2018-04-08': 53.99965, '2018-04-09': 53.8853, '2018-04-10': 53.35361, '2018-04-11': 53.29696, '2018-04-12': 53.26645, '2018-04-13': 53.20907, '2018-04-14': 53.20907, '2018-04-15': 53.78901,

'2018-04-16': 53.57156, '2018-04-17': 53.83203, '2018-04-18': 54.26796, '2018-04-19': 54.22119, '2018-04-20': 54.28614, '2018-04-21': 54.28614, '2018-04-22': 54.28614, '2018-04-23': 54.26084, '2018-04-24': 53.9503, '2018-04-25': 53.66458, '2018-04-26': 53.74832, '2018-04-27': 53.73807, '2018-04-28': 53.95501, '2018-04-29': 53.95501, '2018-04-30': 53.66854, '2018-05-01': 52.94305, '2018-05-02': 52.91795, '2018-05-03': 52.53112, '2018-05-04': 52.48483, '2018-05-05': 52.03342, '2018-05-06': 52.03342, '2018-05-07': 51.94051, '2018-05-08': 52.25288, '2018-05-09': 51.90628, '2018-05-10': 52.03023, '2018-05-11': 51.97548, '2018-05-12': 52.04174, '2018-05-13': 52.04174, '2018-05-14': 52.39321, '2018-05-15': 52.35731, '2018-05-16': 52.41426, '2018-05-17': 52.27131, '2018-05-18': 52.34803, '2018-05-19': 52.34803, '2018-05-20': 52.34803, '2018-05-21': 52.68593, '2018-05-22': 52.59256, '2018-05-23': 52.63732, '2018-05-24': 52.69279, '2018-05-25': 52.62941, '2018-05-26': 52.33014, '2018-05-27': 52.33014, '2018-05-28': 52.37592, '2018-05-29': 52.54118, '2018-05-30': 52.50706, '2018-05-31': 52.86674, '2018-06-01': 52.77813, '2018-06-02': 52.67281, '2018-06-03': 52.67281, '2018-06-04': 52.91071, '2018-06-05': 52.99069, '2018-06-06': 52.56133, '2018-06-07': 52.44299, '2018-06-08': 52.53764, '2018-06-09': 52.64178, '2018-06-10': 52.64178,

'2018-06-11': 52.72633, '2018-06-12': 52.58851, '2018-06-13': 52.53515, '2018-06-14': 51.69241, '2018-06-15': 51.81807, '2018-06-16': 51.81807, '2018-06-17': 51.81807, '2018-06-18': 51.61955, '2018-06-19': 51.53254, '2018-06-20': 51.4082, '2018-06-21': 51.34674, '2018-06-22': 51.61048, '2018-06-23': 51.61048, '2018-06-24': 51.60103, '2018-06-25': 51.5812, '2018-06-26': 51.68388, '2018-06-27': 52.31686, '2018-06-28': 52.20862, '2018-06-29': 52.33812, '2018-06-30': 52.33812, '2018-07-01': 52.26242, '2018-07-02': 52.19925, '2018-07-03': 52.58812, '2018-07-04': 52.58812, '2018-07-05': 52.66431, '2018-07-06': 52.88004, '2018-07-07': 52.88004, '2018-07-08': 52.9597, '2018-07-09': 52.8242, '2018-07-10': 52.97057, '2018-07-11': 52.88639, '2018-07-12': 52.74878, '2018-07-13': 52.90168, '2018-07-14': 53.00668, '2018-07-15': 53.00668, '2018-07-16': 52.81279, '2018-07-17': 52.66814, '2018-07-18': 52.83702, '2018-07-19': 52.8283, '2018-07-20': 52.74246, '2018-07-21': 52.87256, '2018-07-22': 52.81791, '2018-07-23': 52.85764, '2018-07-24': 53.35511, '2018-07-25': 53.03458, '2018-07-26': 53.02335, '2018-07-27': 52.99194, '2018-07-28': 52.99194, '2018-07-29': 53.16719, '2018-07-30': 52.9963, '2018-07-31': 52.85781, '2018-08-01': 52.90955, '2018-08-02': 52.81184, '2018-08-03': 52.80482, '2018-08-04': 52.80482, '2018-08-05': 52.80482,

```
'2018-08-06': 52.72193,
          '2018-08-07': 52.666,
          '2018-08-08': 52.45969,
          '2018-08-09': 52.39185,
          '2018-08-10': 52.49004,
          '2018-08-11': 52.49004,
          '2018-08-12': 52.49004,
          '2018-08-13': 52.54657,
          '2018-08-14': 52.3893,
          '2018-08-15': 52.44334,
          '2018-08-16': 52.43953,
          '2018-08-17': 52.54111,
          '2018-08-18': 52.54111,
          '2018-08-19': 52.54111,
          '2018-08-20': 52.33932,
          '2018-08-21': 52.78539,
          '2018-08-22': 52.91469,
          '2018-08-23': 52.9692,
          '2018-08-24': 53.56819,
          '2018-08-25': 53.56819,
          '2018-08-26': 53.37158,
          '2018-08-27': 53.38425,
          '2018-08-28': 53.63121,
          '2018-08-29': 53.62854,
          '2018-08-30': 53.53966,
          '2018-08-31': 54.46505,
          '2018-09-01': 54.46505,
          '2018-09-02': 54.46505,
          '2018-09-03': 54.12732,
          '2018-09-04': 54.1169,
          '2018-09-05': 53.72744,
          '2018-09-06': 53.67471}
In [ ]: # Test cell 0: test__extract_disapproval_estimates__0 (1 point)
        disapprovals = extract_disapproval_estimates(raw_data)
        assert isinstance(disapprovals, dict), "Your function returned an object of type {}
        for date in approvals.keys():
            assert date in disapprovals, "The date '{}' is missing.".format(date)
        print("\n(Passed!)")
       (Passed!)
In [ ]: # Test cell 1: test__extract_disapproval_estimates__1_HIDDEN (1 point)
        if False:
            print(sample_ratings(disapprovals, 20))
        import math
        sample_disapprovals = [('2018-05-27', 52.33014), ('2017-07-18', 55.6564), ('2017-04
        for date, value in sample disapprovals:
            assert date in disapprovals, "Disapprovals is missing a record for the date '{}
            assert math.isclose(disapprovals[date], value, abs_tol=1e-5), \
                    "Disapproval rating for {} should be {}, not {}.".format(date, value, di
```

```
print("\n(Passed!)")
(Passed!)
```

Exercise 3 (1 point). Complete the function, filter_dates_by_month(month_str, dates), below, so that it filters a list of dates by a particular target month and year. Its inputs are as follows.

```
    The month_str argument is a string of the form yyyy-mm. This string encodes a

            target month and year.
          • The dates argument is a Python set of dates of the form yyyy-mm-dd . Think of these
            as the keys in the approval and disapproval ratings dictionaries, for instance.
        The function should return a Python set containing only those elements of dates that
        match the given month str . For example, the call
        filter_dates_by_month('2018-07', {'2018-05-02', '2018-07-05', '2018-07-
        01', '2017-07-02', '2016-07-31'})
        would return
        {'2018-07-05', '2018-07-01'}
In [ ]: def filter_dates_by_month(month_str, dates):
            assert isinstance(month_str, str), "`month_str` is of type {}, rather than `str
            assert re.match(r'\d{4}-\d{2}, month_str), "`month_str == '{}'` is invalid.".
            m dates = set()
            for d in dates:
                 if month_str in d:
                     m_dates.add(d)
            return m dates
        filter_dates_by_month('2018-07', {'2018-05-02', '2018-07-05', '2018-07-01', '2017-0
Out[]: {'2018-07-01', '2018-07-05'}
In [ ]: # Test cell: `test__filter_dates_by_month` (1 point)
        def test__filter_dates_by_month():
            from random import sample
            padded_digits = lambda a, b: sample(range(a, b), 1)[0]
            rand year = lambda: padded digits(0, 10000)
            rand_month = lambda: padded_digits(1, 13)
            rand day = lambda m: padded_digits(1, 28 if m == 2 else 31 if m in [1, 3, 5, 7,
            coin_flip = lambda: sample([False, True], 1)[0]
            yyyy_0, mm_0 = rand_year(), rand_month()
            month_str = '\{:04d\}-\{:02d\}'.format(yyyy_0, mm_0)
            all_dates = set()
            answer = set()
            for _ in range(10):
                match = coin_flip()
                 if match:
                     yyyy, mm = yyyy_0, mm_0
```

```
yyyy, mm = rand_year(), rand_month()
        date = '{:04d}-{:02d}-{:02d}'.format(yyyy, mm, rand_day(mm))
        all_dates |= {date}
        if match:
            answer = {date}
   filtered_dates = filter_dates_by_month(month_str, all_dates)
   print("All dates: {}".format(all_dates))
   print("Target month: {}".format(month str))
   print("Your matches: {}".format(filtered_dates))
   if filtered_dates != answer:
        print("*** Your solution is incorrect! ***")
        excesses = filtered_dates - answer
        omissions = answer - filtered_dates
        if excesses:
            print("It erroneously includes {}.".format(excesses))
        if omissions:
            print("It erroneously omits {}.".format(omissions))
        assert False
   else:
        print("==> Looks good!\n")
for k in range(5):
   print("=== Test case {} ===".format(k))
   test__filter_dates_by_month()
```

```
=== Test case 0 ===
All dates: {'8176-01-28', '4868-10-26', '0083-04-12', '0083-04-20', '5742-05-07', '0
083-04-22', '0083-04-06', '0083-04-28', '7654-04-11', '0083-04-05'}
Target month: 0083-04
Your matches: {'0083-04-12', '0083-04-20', '0083-04-22', '0083-04-06', '0083-04-28',
'0083-04-05'}
==> Looks good!
=== Test case 1 ===
All dates: {'8681-09-06', '3104-03-26', '3104-03-03', '3104-03-09', '3104-03-20', '3
104-03-19', '3104-03-18', '3104-03-15', '3104-03-27', '3104-03-13'}
Target month: 3104-03
Your matches: {'3104-03-26', '3104-03-13', '3104-03-03', '3104-03-20', '3104-03-19',
'3104-03-18', '3104-03-15', '3104-03-27', '3104-03-09'}
==> Looks good!
=== Test case 2 ===
All dates: {'6920-04-05', '0575-05-26', '1287-11-29', '8326-05-19', '0575-05-19', '8
614-09-23', '0575-05-16', '9286-05-13', '0575-05-05', '4609-05-21'}
Target month: 0575-05
Your matches: {'0575-05-16', '0575-05-19', '0575-05-26', '0575-05-05'}
==> Looks good!
=== Test case 3 ===
All dates: {'1667-11-09', '1667-11-14', '8036-06-11', '1699-11-20', '1667-11-13', '4
111-11-16', '6134-05-13', '1667-11-22', '0893-10-10', '1667-11-29'}
Target month: 1667-11
Your matches: {'1667-11-09', '1667-11-14', '1667-11-13', '1667-11-22', '1667-11-29'}
==> Looks good!
=== Test case 4 ===
All dates: {'5023-06-05', '2011-02-04', '5023-06-13', '5023-06-24', '5741-12-06', '5
023-06-14', '5023-06-07', '5023-06-29', '5023-06-19'}
Target month: 5023-06
Your matches: {'5023-06-05', '5023-06-13', '5023-06-24', '5023-06-14', '5023-06-07',
'5023-06-29', '5023-06-19'}
==> Looks good!
```

Exercise 4 (3 points). Let the *discrepancy rating* of a given day be that day's approval rating minus its disapproval rating. Complete the function,

avg_discrepancy_in_month(month_str, approvals, disapprovals), below, so that it returns the **average** daily discrepancy rating for a given month.

- The month_str argument is a string of the form yyyy-mm. This string encodes a target month and year.
- The approvals argument is a dictionary, whose keys are dates and whose values are approval ratings.
- The disapprovals argument is a dictionary, whose keys are dates and whose values are disapproval ratings.

You may assume that if a date is in approvals then it is also in disapprovals, and viceversa. You can ignore missing dates; that is, compute the averages based on whatever dates

exist in the input dictionaries.

```
In [ ]: def avg_discrepancy_in_month(month_str, approvals, disapprovals):
            assert isinstance(month_str, str), "`month_str` is of type {}, rather than `str
            assert re.match(r'\d{4}-\d{2}, month_str), "`month_str == '{}'` is invalid.".
            assert all([date in disapprovals for date in approvals]), "`disapprovals` is mi
            assert all([date in approvals for date in disapprovals]), "`approvals` is missi
            days = filter_dates_by_month(month_str, set(approvals.keys()))
            discrepancies = {day: approvals[day] - disapprovals[day] for day in days}
            return avg_rating(discrepancies)
        def avg_rating(ratings, days=None):
            if days is None:
                days = ratings.keys()
            assert all([day in ratings for day in days]), "ratings is missing days."
            ratings_subset = [ratings[day] for day in days]
            if len(ratings subset) > 0:
                return sum(ratings_subset)/len(ratings_subset)
            return 0.0
        for month in ['2017-01', '2018-09']:
            disc = avg_discrepancy_in_month(month, approvals, disapprovals)
            print("Average daily discrepancy for {}: {}".format(month, disc))
       Average daily discrepancy for 2017-01: 2.799275555555555
       Average daily discrepancy for 2018-09: -14.008345
In [ ]: # Test cell: test_avg_discrepancy_in_month_0 (1 point)
        import math
        for month, disc_true in [('2017-01', 2.7992755555555), ('2018-09', -14.0083449999
            disc = avg_discrepancy_in_month(month, approvals, disapprovals)
            assert math.isclose(disc, disc_true, abs_tol=1e-2), \
                   "Your average daily discrepancy is {} instead of {}.".format(disc, disc_
        print("\n(Passed!)")
       (Passed!)
In [ ]: # Test cell: test_avg_discrepancy_in_month_1_HIDDEN (2 points)
        all_complete_months = ['2017-02', '2017-03', '2017-04', '2017-05', '2017-06', '2017
                                '2017-10', '2017-11', '2017-12', '2018-01', '2018-02', '2018
                                '2017-06', '2018-07', '2018-08']
        if False: # Generate solutions
            solutions = [(month, avg_discrepancy_in_month(month, approvals, disapprovals))
        else: # Assume solutions
            solutions = [('2017-02', -5.236897857142858), ('2017-03', -7.590843548387097),
        print(solutions)
        import math
        for month, disc_true in solutions:
            disc = avg_discrepancy_in_month(month, approvals, disapprovals)
            assert math.isclose(disc, disc_true, abs_tol=1e-2), \
                   "Your average daily discrepancy is {} instead of {}.".format(disc, disc_
```

```
print("\n(Passed!)")
```

[('2017-02', -5.236897857142858), ('2017-03', -7.590843548387097), ('2017-04', -11.4 04569), ('2017-05', -13.227069354838711), ('2017-06', -16.525405666666668), ('2017-07', -16.39675064516129), ('2017-08', -19.508681612903224), ('2017-09', -16.797917), ('2017-10', -18.355616129032256), ('2017-11', -17.916010999999994), ('2017-12', -19.313219354838708), ('2018-01', -16.35947999999998), ('2018-02', -13.41490964285714 1), ('2018-03', -13.186816129032259), ('2018-04', -13.382937666666669), ('2018-05', -10.298456774193546), ('2017-06', -16.52540566666668), ('2018-07', -11.030132580645 164), ('2018-08', -11.177329354838706)]

(Passed!)

Fin! Remember to test your solutions by running them as the autograder will: restart the kernel and run all cells from "top-to-bottom." Also remember to submit to the autograder; otherwise, you will **not** get credit for your hard work!