1. In this project, we will be using the 2012 House of Representatives roll call voting record. We scraped this data from the congressional bulk data site using the Congress data downloader tool (<https://github.com/unitedstates/congress>). Our goal is to develop a system which can predict a Representative’s political leanings (as determined by their party) by their vote information. In doing so, we will be able to better determine if an independent is more Democratic leaning or Republican leaning.
2. The data set consists of 435 observations (one row for each representative) and 659 Variables.
3. The variables are as follows:

Name – The name of the representative.

Party = The party the representative belongs to.

Bill 2 - Vote On Ordering the Previous Question: H RES 515 Addressing a motion to proceed under section 3101A of title 31, United States Code

Bill 3 - Vote On Approving the Journal

Bill 4 - Vote On Passage: H J RES 98 Relating to the disapproval of the President’s exercise of authority to increase the debt limit, as submitted under section 3101A of title 31, United States Code, on January 12, 2012

Bill 5 - Vote On Motion to Suspend the Rules and Pass, as Amended: H R 3117 Permanent Electronic Duck Stamp Act

Bill 6 - Vote On Motion to Suspend the Rules and Pass: H R 1141 Rota Cultural and Natural Resources Study Act

Bill 7 - Vote On Motion to Suspend the Rules and Agree: H RES 516 Expressing the sense of the House of Representatives that the passage of a fiscal year 2013 Federal budget is of national importance

Bill 8 - Vote On Motion to Suspend the Rules and Pass, as Amended: H R 2070 World War II Memorial Prayer Act of 2011

Bill 9 - Vote On Motion to Instruct Conferees: H R 3630 Temporary Payroll Tax Cut Continuation Act of 2011

Bill 10 - Vote On Motion to Suspend the Rules and Pass: H R 1022 Buffalo Soldiers in the National Parks Study Act

Bill 11 - Vote On Motion to Suspend the Rules and Pass: H R 3801 Ultralight Aircraft Smuggling Prevention Act

Bill 12 - Vote On Agreeing to the Resolution: H RES 522 Providing for consideration of the bill (H.R. 1173) to repeal the CLASS program.

[Votes on 644 More Bills included but not listed]

Bill 657 - Vote On Motion to Suspend the Rules and Concur in the Senate Amendment: H R 4212 Drywall Safety Act

Bill 658 - Vote On Agreeing to the Resolution: H RES 844 Providing for consideration of the Senate amendments to the bill (H.R. 8) to extend certain tax relief provisions enacted in 2001 and 2003, and to provide for expedited consideration of a bill providing for comprehensive tax reform, and for other purposes

Bill 659 - Vote On Motion to Concur in the Senate Amendments: H R 8 To extend certain tax relief provisions enacted in 2001 and 2003, and to provide for expedited consideration of a bill providing for comprehensive tax reform, and for other purposes