Idea: Election model, start with just a simple SVR trained on national polling data and key state polling data

* No electoral college data yet, just past presidential elections
* No regional considerations
* Add candidate popularity and appeal data soon

HTTP Protocol and WSGI notes

* <https://www.w3.org/Protocols/rfc2616/rfc2616.html>
* <https://wsgi.readthedocs.io/en/latest/what.html>
* WSGI is web server gateway interface how web server communicates with web apps and how web apps can be chained together
* HTTP is hypertext transfer protocol, it is the request, response protocol for how clients interact with servers
  + Simplest version, single connection between the user agent (client) and the server
  + Some general complexity comes from introduction of intermediaries
    - Proxy – a forwarding agent, receives requests for a URI, alters the message and forwards reformatted request to the server specified by the URI (uniform resource identifier)
    - Gateway – receiving agent that sits a layer above the server and translates message to the servers protocol
    - Tunnel – a relay point for when messages have to go through intermediary, like a firewall
* Terminology
  + CRLF is CR LF, enf-of-line marker, combination of carriage return and linefeed
  + SP is space
  + HT is horizontal tab
  + LWS linear whitespace
    - = [CRLF] 1\*( SP | HT)
* Protocol Parameters

Flask

REST API

* API is Application Programming Interface, rules that govern program communication
  + Developer creates API on server and allows client to talk to it
* REST is Representation State Transfer, rules developers follow when creating APIs
* Requests vs responses: URL vs data sent back to you
* Request anatomy
  + The ends point
    - Aka route, the url you request for
      * General structure: root-endpoint/?
      * root-endpoint is like <https://api.github.com>
      * the path following root-endpoint is like a link to a part of a website, consult API to learn what paths are available to you
      * a : on a path denotes a variable, eg. /users/:username/repos means replace :username with something like mackpoulson
      * query parameters are also part of endpoints, not technically part of REST APIs though
        + begin with a ? always, each param separated by &
        + e.g. ?query1=value1&query2=value2
  + The method
  + The headers
  + The data/body