BE223A FAll 2016

Clinical Trial Criterias Language Analysis

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User Manual

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Overview

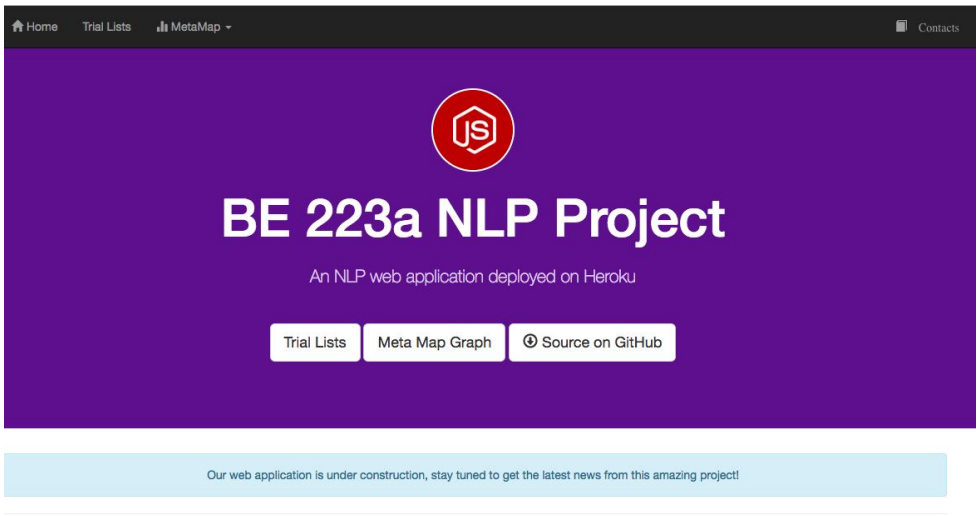
This language analysis system is designed to visualize the language complexity in a certain type of clinical trials' criteria. Once the preprocessing is done, user can see the charts from analysis result in any supported browser.

This system is built on the node.js based web application, which has been deployed on the cloud server heroku.

Access:

Cloud-based server:

User can access the system via this link: https://be223a.herokuapp.com/



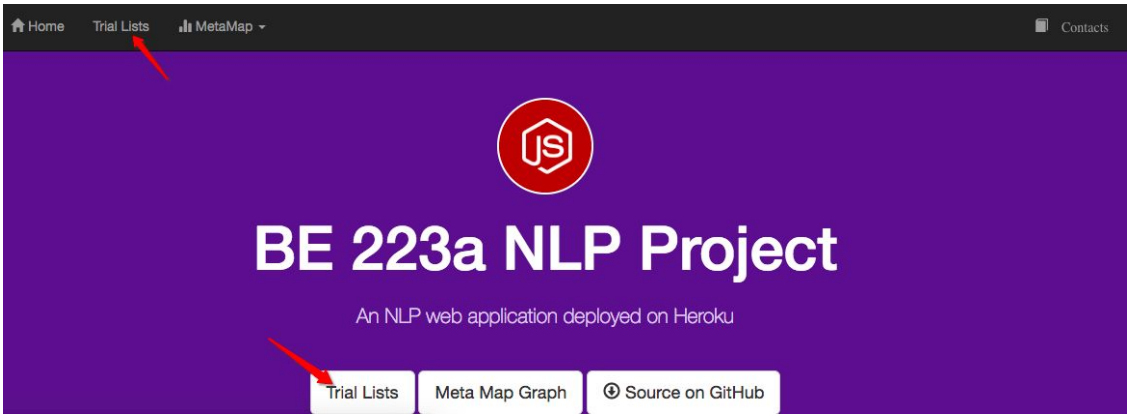
Local Deployment:

User can also deploy and run this software locally on a PC or mac. Steps are introduced as followings:

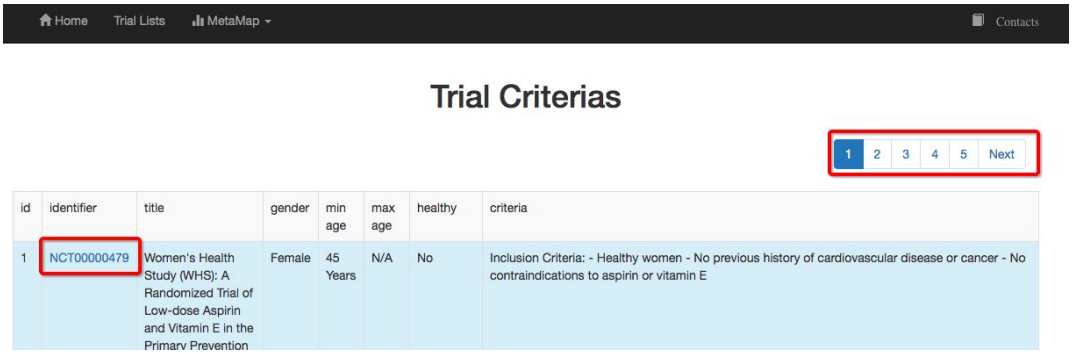
1. Set-up node.js environment
   Follow the instruction from node.js official website: https://nodejs.org/
2. Download or clone source code
   Project's github repo is: https://github.com/YuhuaBillChen/BE223A_F16.git
3. Run the nodejs website
   a. Open a terminal/command line window, cd into the source code folder
   b. Navigate to the "nodejs" folder
      i. npm install
         Only if you are the first time run this project, use it to install packages
      ii. node index.js
         1. Terminal output should be:
            ```
            Node app is running on port 5000
            Connection opened!
            ```
         2. Open a internet browser (chrome/safari/firefox etc.)
         3. Type in "localhost:5000" in the address
         4. You should be able to see the website now

Usage:

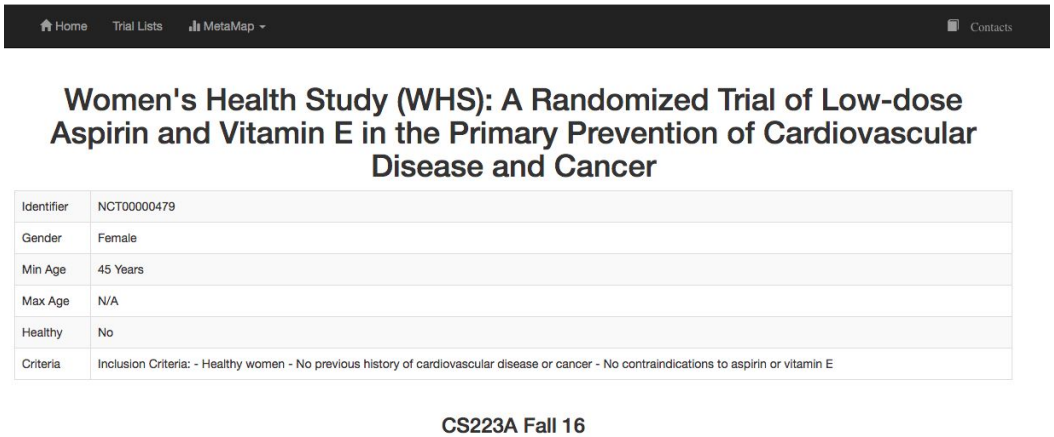
Trial List:



Click on where the arrows are shown and you can see the trail list as below:



Page navigation bar is on the top-right, click on the ID name will jump into trial detail webpage:



MetaMap:

Click on the Metamap button on the main page or from the top menu.

There are two types of graphs in from metamap result: Semantic Distribution and Type term frequency. User can click on the button to change to different graph, and the top N button can change the number of items shown in the graph.