

*BE223A FALL 2016*

# Clinical Trial Criterias Language Analysis

December 8, 2016

## User Manual

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### Overview

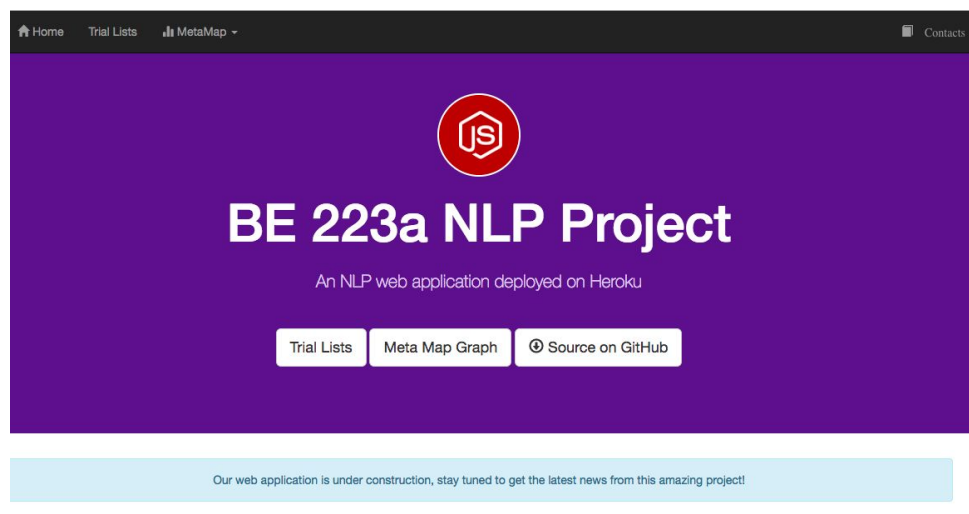
This language analysis system is designed to visualize the language complexity in a certain type of clinical trials' criteria. Once the preprocessing is done, user can see the charts from analysis result in any supported browser.

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](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:

Trial Criterias							
<div>1 2 3 4 5 Next</div>							
id	identifier	title	gender	min age	max age	healthy	criteria
1	NCT00000479	Women's Health Study (WHS): A Randomized Trial of Low-dose Aspirin and Vitamin E in the Primary Prevention	Female	45 Years	N/A	No	Inclusion Criteria: - Healthy women - No previous history of cardiovascular disease or cancer - No contraindications to aspirin or vitamin E

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

Women's Health Study (WHS): A Randomized Trial of Low-dose Aspirin and Vitamin E in the Primary Prevention of Cardiovascular Disease and Cancer	
Identifier	NCT00000479
Gender	Female
Min Age	45 Years
Max Age	N/A
Healthy	No
Criteria	Inclusion Criteria: - Healthy women - No previous history of cardiovascular disease or cancer - No contraindications to aspirin or vitamin E

## 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.

