

## **Prerequisites**

1. Java Runtime Environment (JRE) should be installed

## **Running Steps:**

1. Save the project in a directory
2. Go to the containing folder
  - a. Double click on the jar file (BigDataDominance.jar) to start the project, or
  - b. Start terminal and navigate to the containing folder and execute the command:  
`./BigDataDominance.jar`
3. Then, you will be prompted to the main GUI.
4. Select a cuisine from the drop-down list provided in the search section.
5. Enter the searching range (in miles) and click the button GO.
6. A list of restaurants will be displayed in the upper text-area in the search section and also the corresponding pins (markers) for each of these restaurants on the Google Map.
7. To rank (sort) the retrieved restaurants and see the dominant ones, go to the sort by drop-down list and select one of the ranking options to see the dominance relation between the different attributes. (For example, select the option “Dominating Distance-Price” to view the dominant restaurants in terms of distance and price)
8. Click on the button “Show Analysis”, then a list of dominant restaurants based on the selected ranking option will be displayed in the lower text-area. At the same time, you will be prompted to the visualization window to view the visualizing analysis for the retrieved restaurants and see how some restaurants dominating the others.