Task 3

Top-5 PageRank:

United\_States 0.0143807700399  
United\_Nations 0.00926070668269  
European\_Union 0.00923582097837  
Canada 0.00897910964824  
World\_War\_II 0.00812453530685

1. ‘United\_States’ has the both highest page rank and the number of inlinks, the number of inlinks of this page is 288. I also notice this the link that includes ‘United\_States’ appears 9 times in total links. Because pages usually link to related topic pages, so the chance that goes to ‘United\_States’ page will increase a lot. Also the start page’s topic is about ‘Sustainable\_energy’ , The U.S uses the most of energy on earth, and this country also try to reduce energy using and find sustainable energy, so this topic leads to pages about ‘United\_States’.
2. ‘United\_Nations’ has the second highest page rank, however this page’s inlinks rank is 23rd, it seems like it should not have the 2nd highest page rank after analyses the top 50 page rank file and top 50 inlink file, I notice a lot of pages are about country and the node’s name is country’s name. Because almost every country in the world join United Nations, so country’s page will lead to the page of ‘United\_Nations’, so the chances that users visit ‘United\_Nations’ page increase a lot. Since climate change, protecting environment and sustainable energy are related to lots of countries, this is reasonable that even we start from ‘sustainable energy’ page, there are lots of country’s page in our file.
3. ‘European\_Union’ has the 3rd highest page rank, it’s inlinks rank is 14rd . the reason that this page has high page rank is same as ‘United\_Nations’, because we have lots of European country in our topic of the file. Because the number of country in Europe is obviously less than country in the world, so it might be the reason this page has higher inlinks rank than ‘United\_Nations’, but it’s page rank is lower. Because user more easily to visit to ‘United\_Nations’.
4. ‘Canada’ has the 4th highest page rank, and inlinks rank is 22nd , in the page ‘sustainable energy’ there is a paragraph to introduce the ‘Enabling technologies for renewable energy’ in Alberta, Canada, so many pages will link to page ‘Canada’ eventually. This also shows that Canada has made effort to protect environment , use sustainable energy, etc. so lots of pages related to this topic will include pages link to ‘Canada’ page, or mentioned ‘Canada’ in those pages
5. ‘World\_War\_II’’ has the 5th highest page rank, and inlinks rank is 33nd . The reason that ‘World\_War\_II’ has high page rank is same as ‘United\_Nations’ and ‘European\_Union’. Because lots of countries involved in this sustainable energy topic and those country may also related to ‘World\_War\_II’. Since ‘World\_War\_II’ includes lots of countries, this page has high page rank. Since countries are mutual related, they will link to each other, without topic ‘sustainable energy’. Furthermore, after analyzing the incoming links of ‘World\_War\_II’, I recognize that lots of ‘sustainable energy’ techniques happened during ‘World\_War\_II’, like ‘unclear’.