Hurricane:

Summary:

The storm, Hurricane Sandy, hits in New York on October 2012. The hurricane was a Category 1. Furthermore, the hurricane had a wind speed of 75 mph. hurricane Sandy formed in the Atlantic. Also, Hurricane Sandy had a size of 1000 miles wide. Hurricane Sandy caused 10 inches of rain. For more information. Search for hurricane sandy.

LDA

path, sheet, Marquez, aboard, ap, Nicolas, sea, supplies, page, particular, central, evacuation, toll, grave, friend, Philippines, forecast, power, nation, food, typhoon, Yolanda

NER

No Results

Ebola:

Summary:

There has been an outbreak of Ebola reported in the following locations: Liberia, West Africa, Nigeria, Guinea, and Sierra Leone.

In January 2014, there were between 425 and 3052 cases of Ebola in Liberia, with between 2296 and 2917 deaths. Additionally, In January 2014, there were between 425 and 4500 cases of Ebola in West Africa, with between 2296 and 2917 deaths. Also, In January 2014, there were between 425 and 3000 cases of Ebola in Nigeria, with between 2296 and 2917 deaths. Furthermore, In January 2014, there were between 425 and 3052 cases of Ebola in Guinea, with between 2296 and 2917 deaths. In addition, In January 2014, there were between 425 and 3052 cases of Ebola in Sierra Leone, with between 2296 and 2917 deaths.

There were previous Ebola outbreaks in these areas. Ebola was found in 1989 in Liberia. As well, Ebola was found in 1989 in West Africa. Likewise, Ebola was found in 1989 in Nigeria. Additionally, Ebola was found in 1989 in Guinea. Also, Ebola was found in 1989 in Sierra Leone.

Ebola virus disease (EVD; also Ebola hemorrhagic fever, or EHF), or simply Ebola, is a disease of humans and other primates caused by Ebola viruses. Signs and symptoms typically start between two days and three weeks after contracting the virus as a fever, sore throat, muscle pain, and headaches. Then, vomiting, diarrhea and rash usually follow, along with decreased function of the liver and kidneys. At this time some people begin to bleed both internally and externally. The disease has a high risk of death, killing between 25 percent and 90 percent of those infected with the virus, averaging out at 50 percent.[1] This is often due to low blood pressure from fluid loss, and typically follows six to sixteen days after symptoms appear.

LDA

ebola, news, health, India, encephalitis, new , us, virus, world, people, news, health, people ,disease

NER

Organizations: Doctors Without Borders, National Centre for Disease Control, UN Security Council, Ebola, CDC, DRC, Centers for Disease Control, Sibu Hospital, National Encephalitis, Eradication Program, ATG, World Health Organization, Division of Virology, Infectious Disease Research and Policy Dengue.

Locations: AFRICA, India, Canada, Bihar, Kenya, Chennai, Gorakhpur, Mumbai, Northern India, Bangkok, Uttar Pradesh, United States of America

People: Bankole Jamgbadi, Modi, A. Desai, Patrick Sawyer, M.H. Ooi, Hazare, Anna Hazare, Sri Ram Sene, Kent Brantly.

Earthquakes:

Summary:

On 23 August, 2011 at 1:51, a 5.8 magnitude earthquake struck Virginia, The epicenter of the quake was located at Louisa. There were aftershocks that followed the earthquake and no tsunami was caused by the earthquake. There are no reports of landslides due of this earthquake. A total of 140 deaths occurred.

LDA

potres, mmi, na, potresa, we, have, felt, voting, election, Virginia, print elect, election, god, rabbi, global, millimeters, Washington, power, market

NER

Organization: Sports, Health, The, News, Entertainment, Home, Food, Travel, Business

Location: Virginia, East, Washington, Coast, U.S, USA, New, York, US, Richmond

People: Higgins, Alexander, Kearney, Michele, Vervaeck, Armand, Paulm Abraham, Daniell, Bentley

Floods:

Summary:

In August 2010 a flood spanning 600 miles caused by heavy monsoon affected the Indus river in Pakistan, The total rainfall was 200 millimeters and the total cost of damage was 250 million dollars. The flood killed 3000 people, left 809 injured, and approximately 15 million people were affected. In addition 1300 people are still missing. The cities of Nasirabad Badheen and Irvine were affected most by flooding, in the province of Sindh Mandalay and Punjab, finally nearly all of the flood damage occurred in the state of Pakistan,

LDA

flood, sukkur, destroyed, flooding, which, damaged, damage, Pakistan, village, rind, cut, households, total, shahdadkot, water, relief, assessment, shikarpur, destruction, district, Indus, flooded, jaffarabad, flow, sindh, houses, project, Hyderabad, food, floods, report, international, disaster, province, services, across, people, families, agency, relief

NER

Organization: Mirpur, Goth, Khel, Incident, Rahim, Ismail,Murgha, Time,Gwal, Khas, Jhok, Sahiwal, Chagai, Jalapur, Road, Shaikh, Ahmadpur, Bazar, Daulat, Nawan, Mithrau, City, Shah, Bunga Nasirabad, Sarai

Location: Islamabad, Khairpur, Pakistan

Person: Khan, Kili, Chauki, Tando, Ahmad, Muhammad, Tangi,Toba, Shahpur, Ziarat, Fort, Kalat, Dera, Garhi, Shahr, Haji

Shooting:

Summary:

On the night of Sunday, January 9, Jared lee opened fire in Tucson. The suspect fired 5 rounds out of his rifle. 6 people lost their lives. 32 of the people were hurt, and are being treated for their injuries. The victims were between the ages of 40 and 50

LDA

Tuscan, Arizona, giffords, shooting, news, gabrielle, from, about, killed, police, bbc, shot, you, new, were, loighner, rep, congresswomen, views, rag, public, January, business, video, current

NER

Organization: Google, school, news, united, Inc., shooting, espaol, Abc, statesuk, fox, communications, cnn, daily, cbs, supermarket

Location: Tuscan, U.S., Washington, Arizona, Ohio, Casas, Adobes, east, city, America, Mississippi, united, Hollywood

Person: Gabrielle, Giffords, Chief, Judge, John, Roll Gbe, Zimmerman, Tylor, Green, Congress, Loughner

Fire:

Summary:

In January 2013 there was a fire started by indoor fireworks in Santa Maria. This fire, fueled by ignited foam, grew to the size of the building, engulfed the club and ended up killing 309. Firefighters worked to douse a fire at the Kiss Club. One exit was made unavailable for a period of time. Compared to previous fires in the city it was a fast-moving fire.

LDA

Fire, brazil, people, Santa, club , said ,sign ,news ,Maria, sign, nightclub, news, youtube, ago, Maria

NER

Organization: Inside, Post, Story, Stream, Witness, Listening, North, Sport, Americas, News, South, Depth, People, World, Power, Europe, Jazeera, Africa, Middle, Last, Inside, Post, North, Americas, News, South, Europe

Location: Syria, Mali, East, Israel, India, Pakistan, Indonesia, Iran, Korea, Egypt, Business, Central, Canada, Spain, Cairo,Brazil

Person: Mark, Clinton, Hollande, ABCNews, Obama,

**Evaluation**

For evaluation, students used the Solr interface to validate their output. In addition, students used the output of Unit 7 (LDA topics) to assess the quality of extracted important sentences. Each group presented and discussed their approach and output orally to all other groups, and prepared written reports for each unit and ultimately for the whole course. Finally, We evaluated the results of three main tasks (Named Entities, Topics, and final Summaries) and for each one of the six groups by comparing them with the Wikipedia pages for each one of the six events. Table X shows the precision values for the three methods for each collection.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Precision** | | |
| **Collection / Method Names** | **Unit 5, Named Entities** | **Unit 6, LDA** | **Unit 9, Summary** |
| **Ebola** |  |  |  |
| **Virginia Earthquake** |  |  |  |
| **Brazil night club fire** |  |  |  |
| **Pakistan flood** |  |  |  |
| **Hurricane Sandy** | \* No results available |  |  |
| **Tucson shooting** |  |  |  |

Table X. Precision Results for Each Collection and for 3 Main Methods

\* Please fill out the table and add any comment you want to this section