

# Automatic Report Generator for Disaster Events

**Project description:** Large-scale events such as natural disasters produce huge amounts of data on social media platforms such as Twitter and Facebook. This online data can be useful for a number of humanitarian tasks, for example, to understand how many people got injured or died during a disaster event, how many people were in need of shelter, how many images were shared and what those images/posts were about, etc. We are interested in building a web application to show different aspects of an event using social media and web data in general. The developed application will show a one page summary using graphs, textual messages, and images from the event collected data.

**Duties/activities:** To develop a web application and other data visualization components to show different views of an event.

**Required skills:** Web application development experience (any language, preferably PHP, Python or Java)

**Learning opportunities:** Interns will learn about real-time data collection, processing, and analysis techniques by interacting with QCRI's flagship project AIDR. Interns will also learn about new data visualization and data mining techniques.

**Expected team size:** 2 to 3 students

**Mentors:**

Ferda Ofli (fofli@hbku.edu.qa)

Firoj Alam (falam@hbku.edu.qa)

Muhammad Imran (mimran@hbku.edu.qa)