

VisAIDR: Visualization for Artificial Intelligence for Disaster Response

Project Description:

Effective visualization of large amounts of data can address a number of issues such as information overload. For this purpose, we have developed a visual analytic dashboard (see the below screen shot) to support crisis managers during disaster events like hurricanes or earthquakes. The visualization dashboard intended to be integrated with QCRI's flagship project AIDR (<http://aidr.qcri.org/>).



Once the integration is performed, we aim to conduct user studies to get end-users' feedback to further improve the platform and dashboard.

Duties/Activities:

Interns will create a database schema to connect the dashboard with a database instead of files. We aim to use Postgres database for this purpose. The database will be connected with the dashboard and handle the live insertion and selection of data to serve dashboard needs.

Required Skills:

R-Shiny (<https://shiny.rstudio.com>), PostgreSQL database

Preferred Academic Level: BSc

Learning Opportunities:

You will learn about R, Shiny and how they can be connected to a database

Expected Team Size: 1 or 2

Mentors

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