

# Overview of Qatar University’s QNRF Awards

The interactive visualization [located here](https://public.tableau.com/profile/wafa.waheeda.syed#!/vizhome/OverviewofQatarUniversitysQNRFAwards/Dashboard1?publish=yes), is an interactive visualization of all the Qatar University’s project awards from Qatar National Research Fund, Qatar Foundation.

Using the visualization, the user can get an overview of all QU projects. A user input for start date, project title etc. can also be entered. The autocomplete option enables users to finish their search key terms easily.

This visualization dashboard is designed to provide user experience, without overwhelming the user with a lot of data.

## How was this visualization dashboard developed?

**Data Collection**

1. Build a scraper using python - beautiful soup lib

2. Scrap - https://pub.qgrants.org/Awards/SearchResult page [ open https://pub.qgrants.org/Awards/ - search for Sub. Institution to be Qatar University - the SearchResult page opens]

3. Crawl to each of the project pages in the results table - View - More links

4. Save required information as csv

**Data pre-processing**

1. Using python, we clean the files by removing empty space, unwanted text etc from the csv files

2. Run the functions to clean csv files and store them seperately

**Data Visualization**

1. First, we preprocess the csvs – by separating the keywords and removing ","

2. Then we use Tableau to visualize the data.

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