Availability

The source code is available at: https://github.com/soumitag/multiSLIDE

multiSLIDE is available online at: http://137.132.97.109:56695/multislide/#/.

Alternatively, multiSLIDE can be launched locally on your computer using a Docker Image (see Installation Instructions section below)

Demo input data are available at:
https://github.com/soumitag/multiSLIDE/tree/master/demo_data

System requirements

The standalone version of multiSLIDE can be launched using a pre-built Docker image available at Docker Hub.

Supported OS Platforms: Mac (10.15.7), Linux (CentOS 7) and Windows10
Dependencies: Docker Desktop Version 2.3.0.5
Hardware: Standard desktop computer or laptop
Web Browser: Chrome, Safari, Mozilla, Internet Explorer

Installation Instructions

The preferred way to run a local instance of multiSLIDE is using the pre-built Docker image available at Docker Hub (https://hub.docker.com/r/soumitag/multislide/tags), as follows:

1. Install Docker for Mac/Windows/Linux following the instructions in the link here:
https://docs.docker.com/get-docker/

2. Pull the multiSLIDE Docker image using the following command in Terminal(Mac) or Command Prompt(Windows) or the Linux Shell

```
docker pull soumitag/multislide:2.0
```

3. To launch multiSLIDE execute the following command:

```
docker run -d -p 8080:8080 -v multislide_home:/usr/local/multiSLIDE soumitag/multislide:2.0
```

multiSLIDE should now be available at http://localhost:8080/multislide. Navigate to this link with your browser and start using multiSLIDE. Starting up the application might take a minute.

4. To stop multiSLIDE, first identify the name of the Docker container running multiSLIDE using:

```
docker ps
```

This command produces an output that looks like this:

```
CONTAINER ID IMAGE                      ...  PORTS                 NAMES
51a49fe8601a soumitag/multislide:2.0 ...   0.0.0.0:8080->8080/tcp youthful_wozniak
```

The last column of the output shows the container name. In this example it is "youthful_wozniak"

To stop this container use

```
docker stop youthful_wozniak
```

Installation Time

The total installation time including downloading of Docker and multiSLIDE from Docker Hub takes 10-30 minutes depending on network connection.

Demo

The demo version of the three case studies that have discussed in the manuscript is available at http://137.132.97.109:56695/multislide/#/. Instructions on how to run the demo is provided in the user manual Section 1. Since the tool is interactive in nature the results are displayed in 2-4 minutes.

Instructions for Use

The user manual provides instructions on how to run multiSLIDE on your data.

License

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