

Finding Communities

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1. Load library and variables

```
setwd("C:/Users/duy.bui/Documents/GitHub/kuramoto")
WORKSPACE <- getwd()
library(igraph)
library(knitr)

opts_chunk$set(tidy.opts=list(width.cutoff=60))
```

2. Data loading and processing

There are 3 files of data: - jira.csv - effort_on_tasks.csv - effort_on_repos.csv

```
jira <- read.csv(file = paste(WORKSPACE, "jira.csv", sep = "/"), header = TRUE, sep = ",", stringsAsFactors = FALSE)
tasks <- read.csv(file = paste(WORKSPACE, "effort_on_tasks.csv", sep = "/"), header = TRUE, sep = ",", stringsAsFactors = FALSE)
repos <- read.csv(file = paste(WORKSPACE, "effort_on_repos.csv", sep = "/"), header = TRUE, sep = ",", stringsAsFactors = FALSE)
```