# Visual Analytics Meeting minutes

## Call to order

A meeting of VA Project was held at SMU SCIS GSR 2.7 on 28th May.

## Attendees

Ding Yanmu

Rao Ningzhen

Yu Di

## Approval of minutes

## Reports

## Main motions

* Choosing the third challenge problem to focus on was brought up by Yu Di and seconded by Rao Ningzhen.
* Separating the problem to 3 subtasks was brought up by Rao Ningzhen and seconded by Yu Di and Ding Yanmu.
* Analysing data and brainstorming for proper visualisations for subtask 1, 2 and 3 was brought up by Rao Ningzhen and seconded by Yu Di and Ding Yanmu
* Splitting tasks was proposed by Yu Di and seconded by the rest. The task is split as follows:
  + Rao Ningzhen and Yu Di designs and draws the draft visualization for the proposal
  + Ding Yanmu put it in R webpage and publish it on Netlify

## Call to order

A meeting of VA Project was held at SMU SCIS GSR 2.6 on 4th June.

## Attendees

Ding Yanmu

Rao Ningzhen

Yu Di

## Reports

Ding Yanmu presented the draft of proposal webpage. The group decided to proceed with the designed solutions.

## Main motions

* Deciding the data preparation steps and task distribution was proposed by Ningzhen and seconded by the rest.

Since there are 3 members and 3 subtasks, each person will be in charge of one subtask. And since the web server has limited storage for our web app, we decided to only put the processed data in the server, especially those log files.

* Exchanging opinions for subtask 1

The need of utilizing spending as an indicator of the condition of an industry was brought up by Yu Di and second by Ningzhen.

Focusing on food industry was brought up by Ningzhen. The team discussed and agreed that we since the employer data of food industry is the only one we had, we should exploit more on it.

* Exchanging opinions for subtask 2

The need to develop a way to measure the savings of the participants was brought up by Ningzhen.

Ningzhen thought it can be calculated by the hourly wage times the working days.

Yu Di believed that it can be detected from their financial journals. The team agreed on this method since it is more accurate and straightforward.

* Exchanging opinions for subtask 3

Ningzhen proposed plotting a choropleth to describe the regional turnover and was seconded by the rest.

The issue of time-consuming computation for joining the user heat info and building location was brought up by Ningzhen. The team decided to try with heaviest one first and see how much time it cost.

## Call to order

A meeting of VA Project was held at SMU SCIS GSR 2.7 on 18th June.

## Attendees

Ding Yanmu

Rao Ningzhen

Yu Di

## Reports

Yu Di presented the draft solution for subtask 1 and subtask 2

Ningzhen presented the draft solution for subtask 3

Ding Yanmu Presented a draft of the webapp design

## Main motions

* Finalizing the solution to subtask 1

The strange pattern of people’s earning and spending at 2022 March was brought up by Ningzhen and seconded by Yu Di,

The team cannot find any explanation to it.

* Finalizing the solution to subtask 2

The team agreed on the final version.

* Finalizing the solution to subtask 3

The inability to compress the participant log data was brough up by Ningzhen and seconded by Ding Yanmu. The team decided to only use one log file instead of the whole 70 files.

* Discussed the layout and tools to use for the web application

Using tableau was brought up by Ningzhen and seconded by the rest. But after emailing to prof, the team found it impossible.

Hence shiny.io and Netlify was chosen.

* Discuss and planned the timeline and task distribution

Ningzhen and Yu Di will write the posters

Ningzhen will write the meeting minutes.

Ding Yanmu will test and deploy the final deliverables

## Call to order

A meeting of VA Project was held online on 2th July.

## Attendees

Ding Yanmu

Rao Ningzhen

Yu Di

## Reports

Yu Di presented the final posters.

Ding Yanmu presented the final design of webpage.

## Main motions

* Exchanging ideas about the modifications of the posters and web app

Minor changes such as adding legends and changing graph names are made.