Final Project
Visual & Interactive Programming - Fall 2019

- Midterm exams   30%
- Final exams   30%
- Assignments   20%

- **Final project**   **20%**

Final Project

Interactive Data Visualization

- **Input data: Truck O-D (Origin-Destination) flows**

- **Scoring criteria (20%)**
  - "Creativity" in:
    1. Visualization
    2. Interaction

  Presentation date: Wed 20 Nov 2019

Extra points

1. Images (+2%)
2. 3D (+3%)

date_orig	time_orig	Latitude_orig	Longitude_orig	date_dest	time_dest	Latitude_dest	Longitude_dest
3/14/16	0:00:02	51.00755	-113.9989	3/14/16	3:32:31	51.31435	-116.9732
3/14/16	0:00:03	53.09111	-110.6073	3/14/16	0:41:08	52.89921	-110.8361
3/14/16	0:00:08	53.54268	-116.9908	3/14/16	6:12:26	51.42245	-120.2055
3/14/16	0:00:09	56.66454	-111.3428	3/14/16	0:00:11	56.66458	-111.3428
3/14/16	0:00:16	49.33134	-119.5474	3/14/16	0:10:02	49.34449	-119.576
3/14/16	0:00:32	55.17361	-118.8628	3/14/16	0:23:12	55.17745	-118.8254
3/14/16	0:00:32	53.59324	-113.5939	3/14/16	0:01:46	53.59301	-113.594
3/14/16	0:00:36	51.00412	-113.9672	3/14/16	0:00:45	51.00407	-113.9673
3/14/16	0:00:48	55.16792	-118.8431	3/14/16	0:04:22	55.16792	-118.8431
3/14/16	0:00:49	50.96389	-113.9561	3/14/16	2:13:01	50.51259	-111.7297
3/14/16	0:00:50	51.00454	-113.964	3/14/16	4:12:36	51.30093	-117.5206
3/14/16	0:01:03	52.84278	-110.8318	3/14/16	0:18:00	52.84282	-110.8279
3/14/16	0:01:03	52.84278	-110.8316	3/14/16	0:22:03	52.82482	-110.8857

https://www.dropbox.com/s/vyru3ve3opxn0d8/truck1week.xlsx?dl=0

Final Project

Submission:

1. <u>Short Report</u> (1-2 pages) [handed-in on 20 Nov 2019]
   - Descriptions of:
     - ① Visualization
     - ② Interaction

2. <u>RAR file or Dropbox link</u> [email by midnight Tue 19 Nov 2019]
   - ① Processing sketch book (PDE files)
   - ② Associated files (images, data, etc.)

   (Email Subject: **ISNE494-F19**, santi@eng.cmu.ac.th)

3. <u>Video</u> on Facebook group page
   - VDO must be posted <u>after</u> the presentation on 20 Nov 2019