**[REPORT FORMAT](https://mas-dse.github.io/DSE241/2021/exercises/" \l "report-format)**

* Must be written in third person narrative style
* Letter size page 8 1⁄2 in × 11 in
* One inch margin on all sides
* Font: Times New Roman, size 11pt or 12 pt, you may use larger font size up to 14pt for headings.
* Include your name in header section
* Title in form: “Exercise NN Report: Brief title for the visualization”
* **PDF (recommended) or Microsoft Word ONLY**
* For ‘Create a visualization’ exercises the following sections would be appropriate in the report
  + Motivation
  + Data augmentation (if any)
  + Tasks
  + Expressiveness of design
  + Effectiveness of the solution
  + Interaction
  + Conclusions

[**EXERCISE GRADING RUBRIC**](https://mas-dse.github.io/DSE241/2021/exercises/#rubic)

All exercises are graded on scale of 10 points.

* **Expressiveness of design** (30%)
  + Match between choices of visual encodings with properties of data.
  + Choice of encodings based on the importance of the data.
  + How well the design expresses facts?
* **Effectiveness of the solution** (30%)
  + Does the solution communicate and support the intended idea?
  + Are the encodings used perceptually effective?
  + Is the data used comprehensively or augmented?
* **Interaction support in solution** (20%)
  + Does the solution support comparison, selection, filtering, linking, etc? For non programmatic solutions this weight is added to expressiveness and effectiveness
* **Report** (20%)
  + Does the report provide motivation for the visualization?
  + Is there a clear description of the problem/tasks your visualization is attempting to solve?
  + Is the choice of visual encodings explained and justified in terms of expressiveness of dataset attributes? *Refer Chapter 5.4.1 in Munzner*
  + Is the choice of visual encoding explained and justified in terms of effectiveness of channels? *Refer Chapter 5.4.1 in Munzner*
  + Finally, does the visualization accomplish solving the problem or tasks that were identified?
  + [Sample report 1](https://mas-dse.github.io/DSE241/2021/data/Sample-report-1.pdf) and [Sample report 2](https://mas-dse.github.io/DSE241/2021/data/Sample-report-2.pdf) *Note:* The sample reports are provided merely reference, they should not be used as template for your reports. **Do not include improvements section in your report**.
* **Bonus** (up to 10%)
  + Outstanding submissions may receive up to 10% bonus. Late submissions are not eligible for bonus points.
* **Late submission** Incurs 20% penalty after the deadline, there after additional 20% penalty per week. Final project must be submitted by deadline (no exceptions).

[**SUBMISSION INSTRUCTIONS**](https://mas-dse.github.io/DSE241/2021/exercises/#submission)

* All submissions must be made to the [DSE Data Cloud](http://dse.seedmelab.net/). You will receive an invite to access the share folder named “dse241-YOUR-NAME”. Zip and submit your solution in corresponding exercise folder. Contact the TA if you have issues in accessing the submission site. In case of Group Submissions, just one of you need to submit the exercise, submission should clearly note names of all group members.
* All students must independently respond to Polls corresponding to the exercise
* Submission must include report in report format with content noted in grading rubric
* Submission must include a readme file with relevant instructions to run your visualization with all the required files and data.
* All exercises submissions are due on 1 am on the day of class.
* Submission shall be well organized structure as follows. (Do not zip the folder)
* Not following the submission format will result in 5% deduction of acheived exercise score after two infringments. This includes missing readme file, non working code.

exercise-N-firstname-lastname

report.pdf

index.html

css/

style.css

...

data/

data.json

...

img/

logo.png

...

js/

script.js

...

other-folders-as-needed/

...

* Report must be in PDF format and include items noted in the grading rubric above. Submissions **without** the report will not be graded.