**HIGH-DIMENTIONAL ANALYSIS**

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**Programming Exercise – 04**

Deadline: 23h59 10/07/2021

Submitting via email: [dxtien95@gmail.com](mailto:dxtien95@gmail.com)

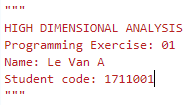
Programming language: Python

**PROBLEM:**

1. Read some article about the t-SNE. Source: <https://towardsdatascience.com/why-you-are-using-t-sne-wrong-502412aab0c0>, <https://distill.pub/2016/misread-tsne/>
2. and write a summary of the t-SNE (1-page summary).
3. Applying the t-SNE on Fashion-MNIST dataset (<https://github.com/zalandoresearch/fashion-mnist>).

After finishing your task, please write a short report or a summary (pdf file) to explain your answers, ideas and the way your code works.

**NOTICE**

1. Please send the two files (coding and report file) before the due date. Or send the jupyter-notebook file (ipynb, html, pdf) or google-colab link.
2. The mail subject and the folder’s name would be *[HDA2020\_PEXX\_Name\_StudentCode]*, where PE means Programming Exercise. For example: *HDA2020\_PE01\_Le\_Van\_A\_1711001* or *HDA2020\_PE01\_LeVanA\_1711001*.
3. Inside the coding file, there should be a brief introduction (as example below). 
4. There is **NO** acceptance for **cheating** or **copying**.

**TUTORIAL**

Export html file from jupyter-notebook

