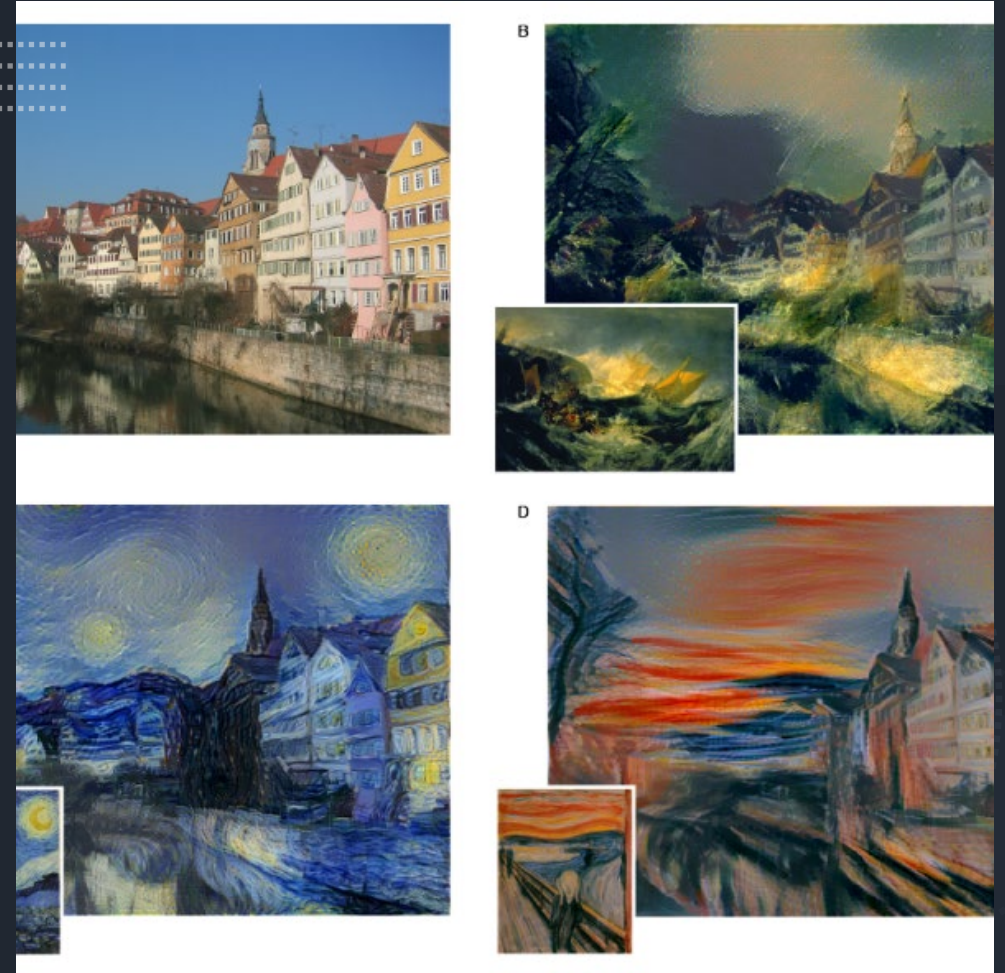# D7043E, Advanced Data Mining Course Project – Computer Vision

H23, 2023

- **Project assignment**
  - Choose a research article
    - You may propose but with convincing and detailed explanation

  - **Phase 1 objective** – Perform a collective group study and prepare a short report

  - **Phase 2 objective** – Develope the method, train the model and share final report and working source code.
    - Pytorch or Tensorflow

A Neural Algorithm of Artistic Style, Gatys et al. 2015

- This work presents a method to apply the artistic style of one image onto the content of another using convolutional neural networks (CNNs). It's a great introduction to neural style transfer and the power of CNNs in manipulating images.

U-Net: Convolutional Networks for Biomedical Image Segmentation, Ronneberger et al. (2015)

- This work introduces the U-Net architecture, specifically designed for biomedical image segmentation tasks. It's a good starting point for understanding architectures designed for segmentation.