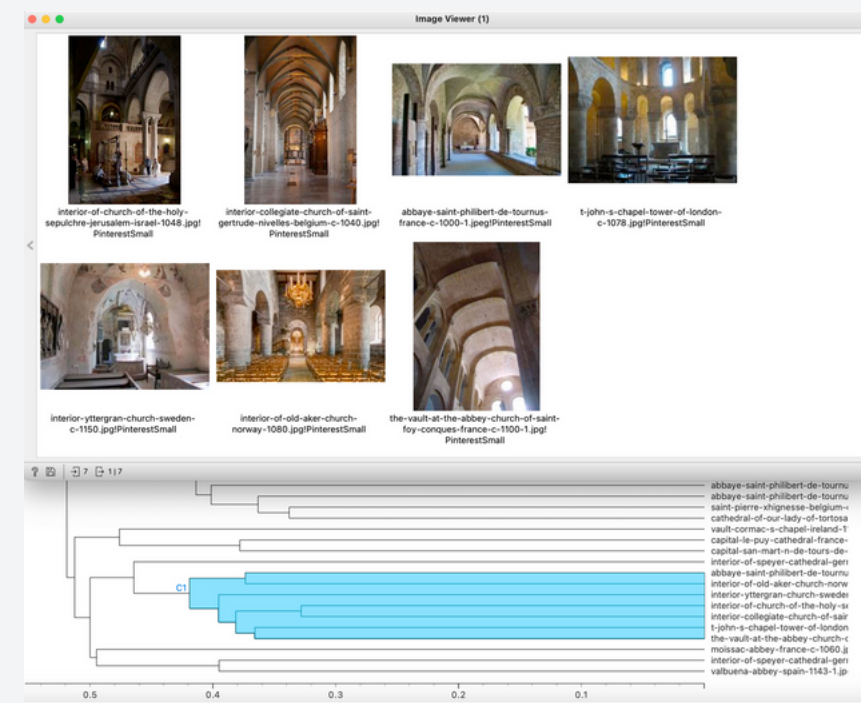


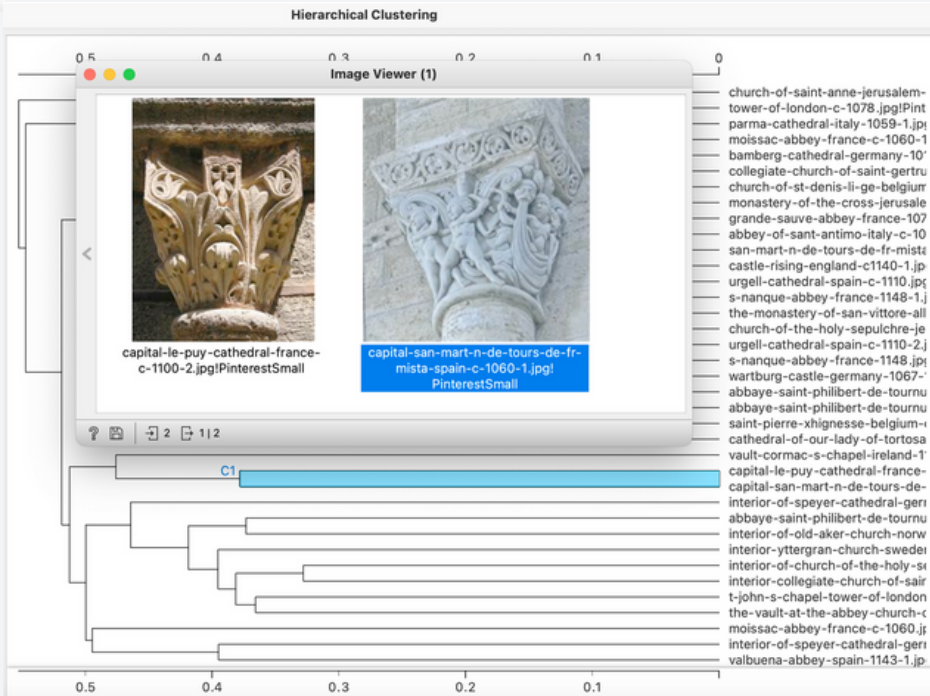
A COMPARATIVE ANALYSIS AND CLASSIFICATION OF RANDOMLY GENERATED CLUSTER OF IMAGES USING 'ORANGE'.

- Yaakulua Sabbani, Sami Areez
Introduction to Digital Humanities, Spring 2023.

Working with 37 Images

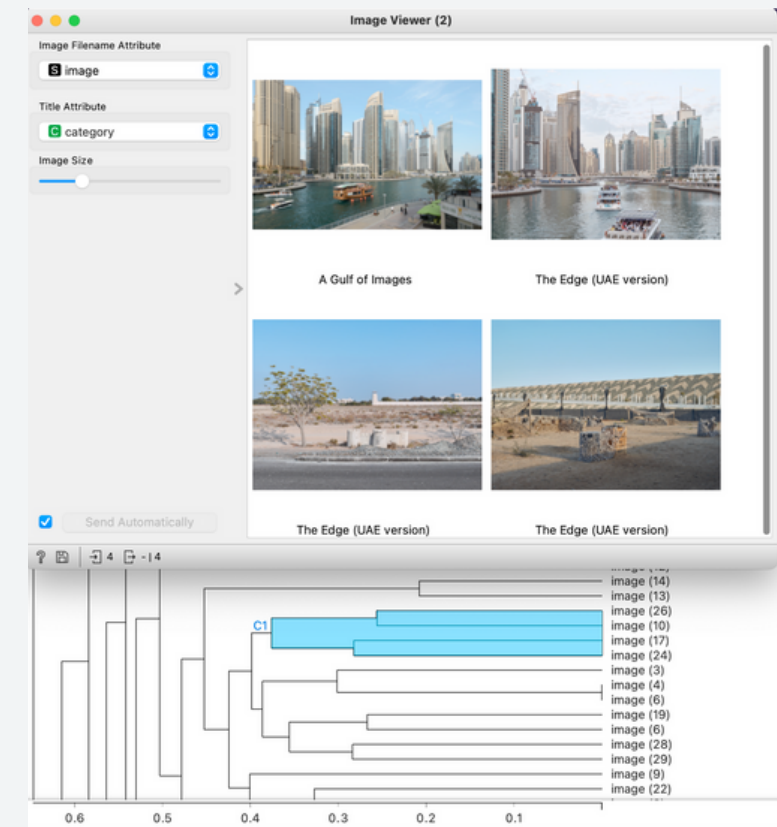


- Orange has recognized two capitals from various 37 images of the Romanesque Architecture. (Actual: 2, Predicted: 2) in the Image 2.2
- These can be located in highlighted branch of C1 with less than 0.4 degree of similarity on the X axis in Image 1.2.



- Orange has recognized two wide area snapshots from various 132 images from Image Embedding and Hierarchal Clustering.
- With the help of confusion matrix and logical regression, the Actual vs Predicted table has been generated as shown in Image 2.2. (Similarity of a wide angle shot irrectpectipve of the people and weather - highlighted "2" (1st row, 4th column) .

Working with 132 Images



- Orange has recognized visual similarities across image categories from various 132 images from four diverse image data sets. (Romanesque Architecture - 37, A Gulf of Images Architecture - 37 , Medieval Structures and Architecture- 32, The Edge Architecture - 26.),
- These can be located in highlighted branch of C1 with less than 0.4 degree of similarity on the X axis. in Image 2.1
- Output of the dendrograms from the Hierarchal Clustering Method (Inception V3). for both the images 2.1 and 2.2.

