

R Script to Process UO Score Answer Form

The R script [UO_Score_OMR.R](#) is meant to identify and record entries on the front page of the “UO Score Answer Form.” The script will identify:

- 1) First Name
- 2) Last Name
- 3) UO ID Number
- 4) Form Version Number
- 5) Answers to multiple choice questions from question 1 to a maximum of 120

The script will produce:

- 1) A single .csv file holding all student responses
- 2) A single .txt file identifying forms that could not be processed (file is not produced if there are no such files)
- 3) A single .png file for each student holding an image of their scanned UO Score Answer Form, with filename given by the student’s name and UO ID number

To use the script, follow these steps:

- 1) Create a single .pdf file holding the front page of all the UO Score Answer Forms that you wish to process. Each page of this file should be a separate form. The script was tested with scans produced by a Xerox AltaLink C8155 copier, using the default settings.
- 2) Indicate the path of this file in the R script on the line defining “input_file_name_path.”
- 3) Indicate the number of questions for which you wish to capture responses in the line defining “num_questions.”
- 4) Indicate the path where the individual image files for each processed form should be stored on the line defining “output_image_path.”
- 5) Run the script