

R Script to Grade UO Score Answer Form Based on Output from UO_Score_OMR.R

The R script [Grade_UO_Score_OMR.R](#) produces scores and identifies potential student entry issues based on output from UO_Score_OMR.R. The script will produce the following output files:

- 1) A single .csv file holding last name, UO ID number, and exam score
- 2) A single .txt file holding the location of questions where a student entered no answer and the location of questions where a student entered multiple answers.
- 3) A single .txt file holding the names of students who did not enter a form number.
- 4) A single .txt file holding the names of students who potentially entered the wrong form number.

To use the script, follow these steps:

- 1) Run the UO_Score_OMR.R script to produce the file holding the recorded student responses.
- 2) Indicate the path of this file on the line defining "Student_Answers."
- 3) Create a .csv file holding the solutions for the various forms being used. The first column should hold question numbers beginning from 1, and each subsequent column should hold solutions based on different exam versions. It is assumed that exam versions are indicated by students on the scantron with integers starting at 1, and the columns of this file hold the solutions for different versions in numerical order.
- 4) Indicate the path of this file on the line defining "Answer_Key."
- 5) Indicate the path where output files should be stored on the lines defining "output_scores", "answer_issues", "form_entry_issues", "wrong_form" and "no_form."
- 6) Run the script