**Handwriting and Gender: a multi-use data set**

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This document contains a description of the survey and two corresponding data sets. A total of 203 students took one or the other or both of two identical handwriting surveys. A total of 195 completed both surveys. The survey is virtually identical to the one available in Google Docs[[1]](#footnote-1). Respondents are university students in introductory statistics courses at Clarke University. Use of data approved by Clarke’s Institutional Review Board.

Survey response data were recorded using an online course management system’s (Moodle) “Quiz” feature. The responses were automatically coded as correct or incorrect using a key provided to the software. Raw responses were downloaded as an Excel spreadsheet and transformed into comma separated variable (csv) format, and summarized using Excel.

**Filename: *HandwritingSurveyData.csv***

Contains individual responses from 203 student respondents.

 **Variable Name** **Description**

Column 1 Subject Survey Respondent ID Number

Column 2 Gender Gender of Respondent (0 = Male, 1 = Female)

Column 3 – 27 Q1 – Q25 Responses to survey items 1 to 25 (First survey)

 For example:

 

 “This sample was written by a male/female”.

 0 = incorrect identification, 1 = correct identification, blank if skipped\*

Columns 28 – 52 Q26 – Q50 Response to survey items 1 to 25 (Second survey)

 “This sample was written by a male/female”.

 0 = incorrect identification, 1 = correct identification, blank if skipped\*

 Q26 = Q1, Q27 = Q2, … , Q50 = Q25.

\* A “skip” only occurs if respondent took only Survey1 or only Survey2 (and not both). Otherwise, forced response ensures all surveys complete.

**Filename: *HandwritingSummaryData.csv***

Contains summaries of responses for each of the 203 respondents. Values computed in Excel using data contained in *HandwritingSurveyData.csv*(see above).

 **Variable Name** **Description**

Column 1 Subject Survey Respondent Number (identifies respondent)

Column 2 Gender Gender of Respondent (0 = Male, 1 = Female)

Column 3 Survey1 Percent correct on Survey 1 (Columns 3 – 27 of raw responses)

 Blank if survey not completed.

Column 4 Survey2 Percent correct on Survey 2 (Columns 28 – 52 of raw responses)

 Blank if survey not completed.

Column 5 FemaleID Percent correct identifying *female* specimens on survey 1

 (columns 3, 4, 6, 8, 9, 11, 15, 20 ,21, 22, 23, 26)

 If Survey 1 not completed, used corresponding columns on survey 2.

Column 6 MaleID Percent correct identifying *male* specimens on survey 1

 (columns 5, 7, 10, 12, 13, 14, 16, 17 ,18, 19, 24, 25, 27)

 If Survey 1 not completed, used corresponding columns on survey 2

Column 7 Both Percent of handwriting specimens correctly identified on Survey 1 AND Survey 2.

 No credit for a response that is incorrect on one or the other or both surveys.
 Blank if respondent did not take both surveys.

Column 8 DIFF = Survey 1 – Survey2

 The difference in respondent scores between the two surveys.

 Blank if respondent did not take both surveys.

1. https://docs.google.com/forms/d/1sO6vlsozsORbqaCTsA7Ta0qZL7\_6\_MCEPJ7tYeKYyvI/viewform [↑](#footnote-ref-1)