



Mail Merge & Equation Editor

Winter 2012

Equation Editor

- The Equation Editor is used to insert mathematical equations into MS Office documents
- In any Office application, go to the Insert tab and select Equation

Problem 13.1

- Type the following slide into in a Microsoft Word document entitled **PUNetID-equation.doc** using the Equation Editor. Everything on the slide is to be typed into the Word document exactly as the slide appears.

Problem 13.1 Continued

The following is a famous identity by D.H. Lehmer derived from the arcsin series, and it is used to compute approximations of π using computers to millions of decimal places

$$\sum_{n \geq 1} \frac{-9n + 18}{\binom{2n}{n}} = 2 \frac{\pi}{\sqrt{3}}$$

where $\binom{2n}{n}$ is the binomial coefficient $\frac{(2n)!n!}{n!}$ and by definition the factorial of a positive integer n is $n! = n(n-1)(n-2) \dots (3)(2)(1)$.

Mail Merge in Word

- Why use mail merge?
- Steps to using mail merge
 - Select the **Mailings** tab
 - Select **Start Mail Merge** then **Step by Step Mail Merge Wizard**

Mail Merge Wizard

1. **Select the Document Type** (the type of form you would like to create)
Letters
2. **Select the Starting Document** (the document into which you would like to merge the data.) **Use the current document**
3. **Select Recipients** (generally the file that contains the information that you would like to merge into the Starting Document chosen in Step 2) **Use an existing list** then **Browse** and find the Excel file used for the merge
4. **Write your letter**, which includes inserting the fields from the Recipients file you chose in Step 3). Typically, inserting is done by choosing **More Items** at the bottom of the Wizard dialog box and then inserting accordingly.
5. Add the merged fields to your letter by Inserting Merge Fields from the **More items...** section.
6. **Preview your letters.**
7. **Complete merge.** You can either merge to a file or directly to a printer.

Problem 13.2

1. Grab the text file grades.txt (tab-delimited) from the CS130 Public folder on Turing and open it in Excel.
2. Create an Average column and calculate each student's average as a percent with no decimal places (e.g. 90). Use total points achieved divided by total points possible. **NOTE:** Don't just change the column to percentage with 0 decimal places. This won't work in the merge!!!
3. Create a Grade column that shows a student's grade (90-100A, 80-89B, 70-79C, 60-69D, 0-59F)

Problem 13.2 Continued

4. Create a Word document **PUNetID-StudentGrades.doc** that mail merges each student's grade into a mail merge document that can be printed and handed out to each student. The document is on the following slide.

Problem 13.2 Continued

Mail Merge the Data

ID#: Student ID# (merge field)
From: Your Name
RE: Course Grades
Date: January 20, 2012

Here are your course grades:

Quiz1: (merge field)
Quiz2: (merge field)
Quiz3: (merge field)
Quiz4: (merge field)
Exam1: (merge field)
Exam2: (merge field)
Final: (merge field)
Average: (merge field)%
Grade: (merge field)

Problem 13.2 Continued

- If your data is successfully merged, you should be able to look at each merged document.