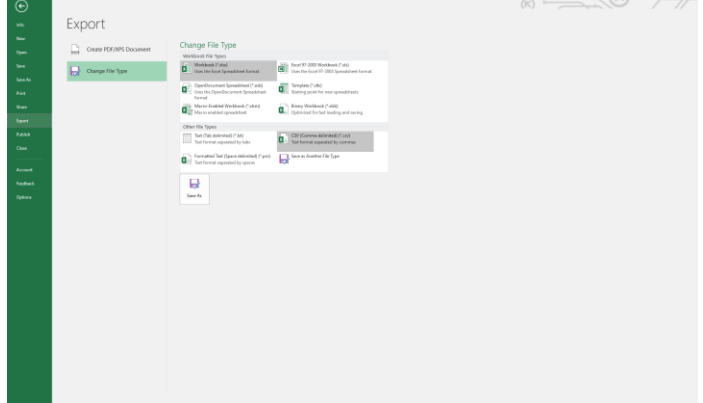
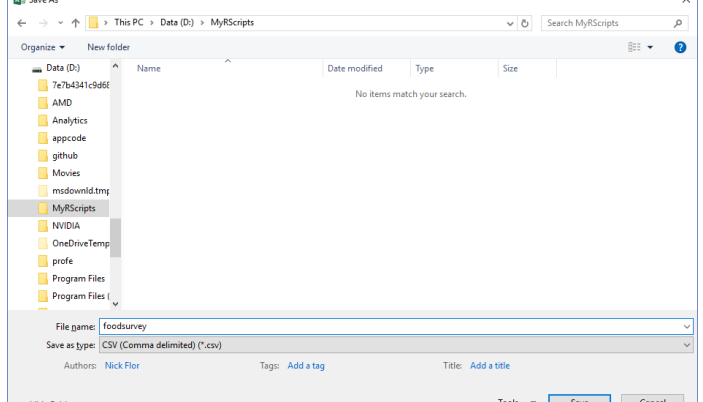


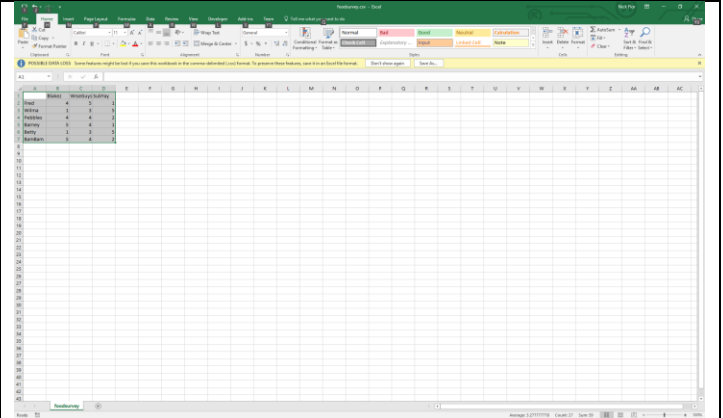
R Programming Fundamentals for Business Students— Importing Tables

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ACTION	REACTION																												
<ul style="list-style-type: none"> ○ Create the following table in Excel <p>Imagine we interviewed the Flintstone Family and Rubble Family on their favorite restaurants, on a scale of 1-5. Blakez is hamburgers, WiseGuys is pizza, and SubYay is sandwiches.</p> <p>While we could analyze this table statistically in Excel, how do we do get this table in R?</p>	<table border="1"> <thead> <tr> <th></th> <th>Blakez</th> <th>WiseGuys</th> <th>SubYay</th> </tr> </thead> <tbody> <tr> <td>Fred</td> <td>4</td> <td>5</td> <td>1</td> </tr> <tr> <td>Wilma</td> <td>1</td> <td>3</td> <td>5</td> </tr> <tr> <td>Pebbles</td> <td>4</td> <td>4</td> <td>2</td> </tr> <tr> <td>Barney</td> <td>5</td> <td>4</td> <td>1</td> </tr> <tr> <td>Betty</td> <td>1</td> <td>3</td> <td>5</td> </tr> <tr> <td>BamBam</td> <td>5</td> <td>4</td> <td>2</td> </tr> </tbody> </table>		Blakez	WiseGuys	SubYay	Fred	4	5	1	Wilma	1	3	5	Pebbles	4	4	2	Barney	5	4	1	Betty	1	3	5	BamBam	5	4	2
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EXPORTING YOUR FILE FROM EXCEL																													
<ul style="list-style-type: none"> ○ Select File > Export > Change File Type <p>You will be given the option of saving the file in a number of different formats. The easiest format to export, and one many programs can import is the comma-separated file or CSV file.</p>																													
<ul style="list-style-type: none"> ○ Click on CSV (Comma delimited) (*.csv) ○ Click on the Save As button ○ Navigate to your R scripting directory (mine is D:\MyRScripts, yours is probably different) ○ Enter foodsurvey in the File name: text box <p>Don't forget to navigate to your R scripting directory, otherwise you will have to specify the full path to your file when you import it.</p>																													

- Click the Save button

Excel will warn about possible data loss. This is because csv files only have the data and none of your formatting or borders.

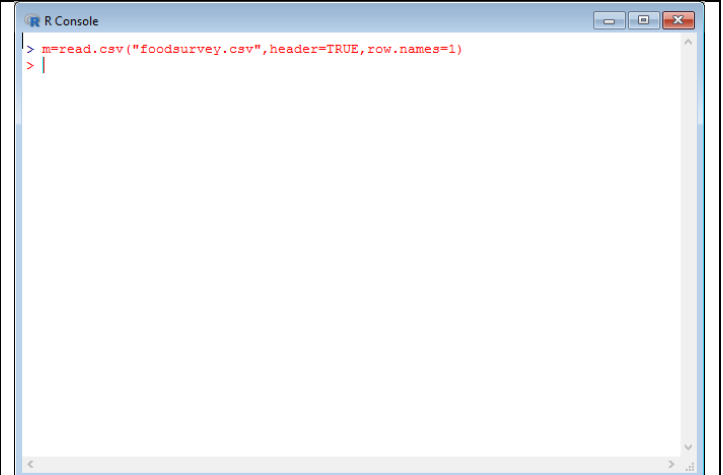


IMPORTING THE FILE

- Run R
- Select File > Change dir... and then navigate to your R scripting folder
- Type the following into the R console:

```
m=read.csv("foodsurvey.csv",
header=TRUE, row.names=1)
```

The command `read.csv`, reads into variable `m` our food survey table. The parameter `header=true` tells R the first row is a header, and `row.names=1` tells R that the first item in each row is a label.



- Enter `m` into the R console

R displays the food survey.

In the next tutorial, we'll look at how to run basic descriptive statistics on this table, along with matrix operations!

YES! We are about to do The Real R™

