Ebert 1.0: The Preliminaries

- Go to:
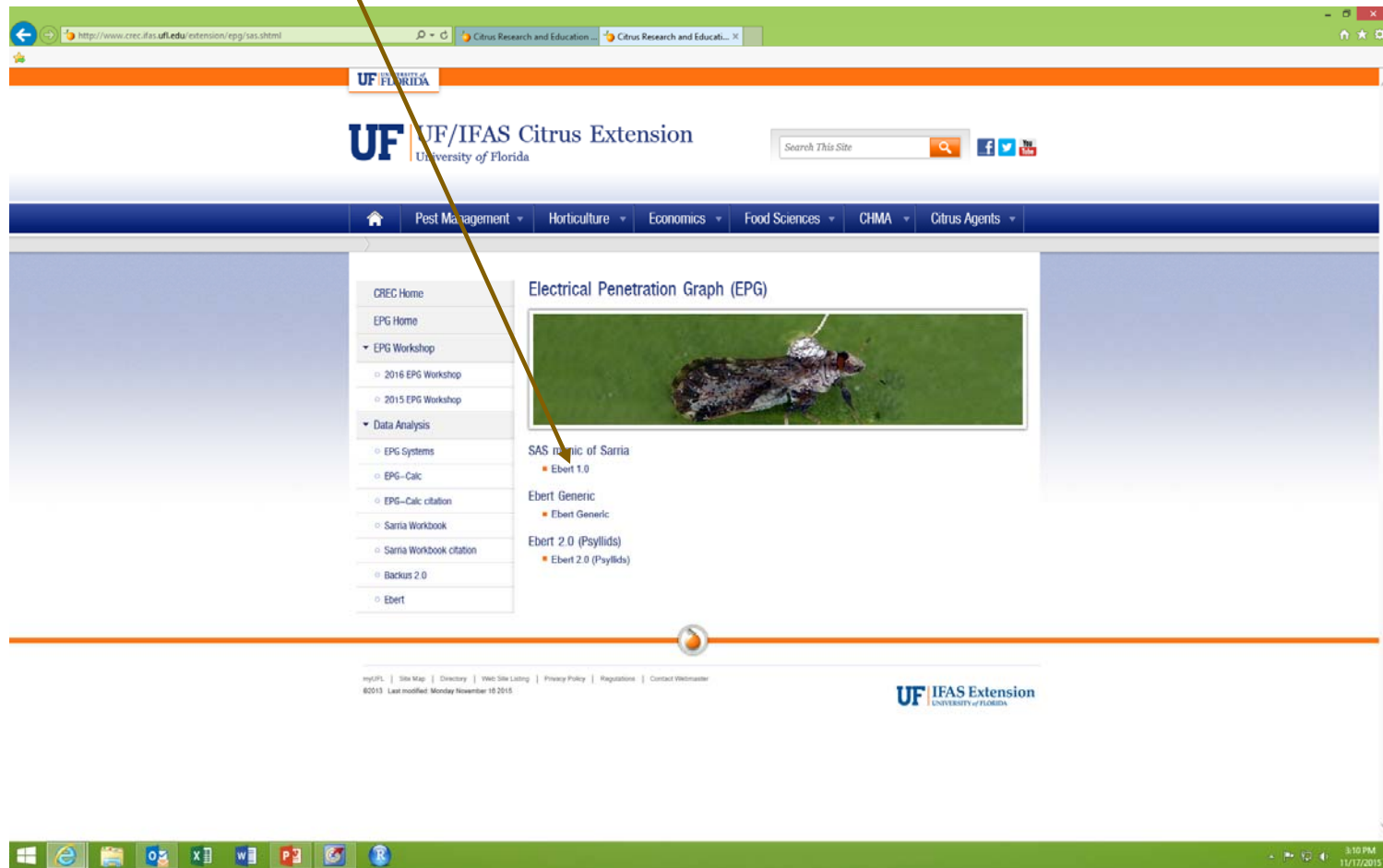 - http://www.crec.ifas.ufl.edu/extension/epg/
- Select Ebert

Download all files for Ebert 1.0

- Here

Location

- **<u>Create a new folder on your desktop</u>**.
  - For this exercise, please save on the <u>desktop</u>. Later on you can move the files wherever you like.
  - <u>Do not put under "Documents"</u>
  - Call the folder "EPG Analysis"
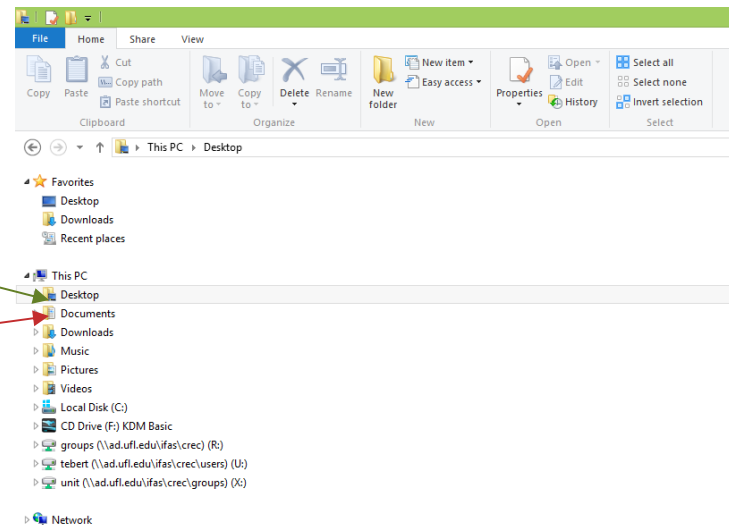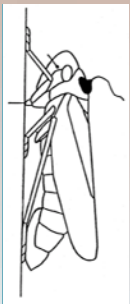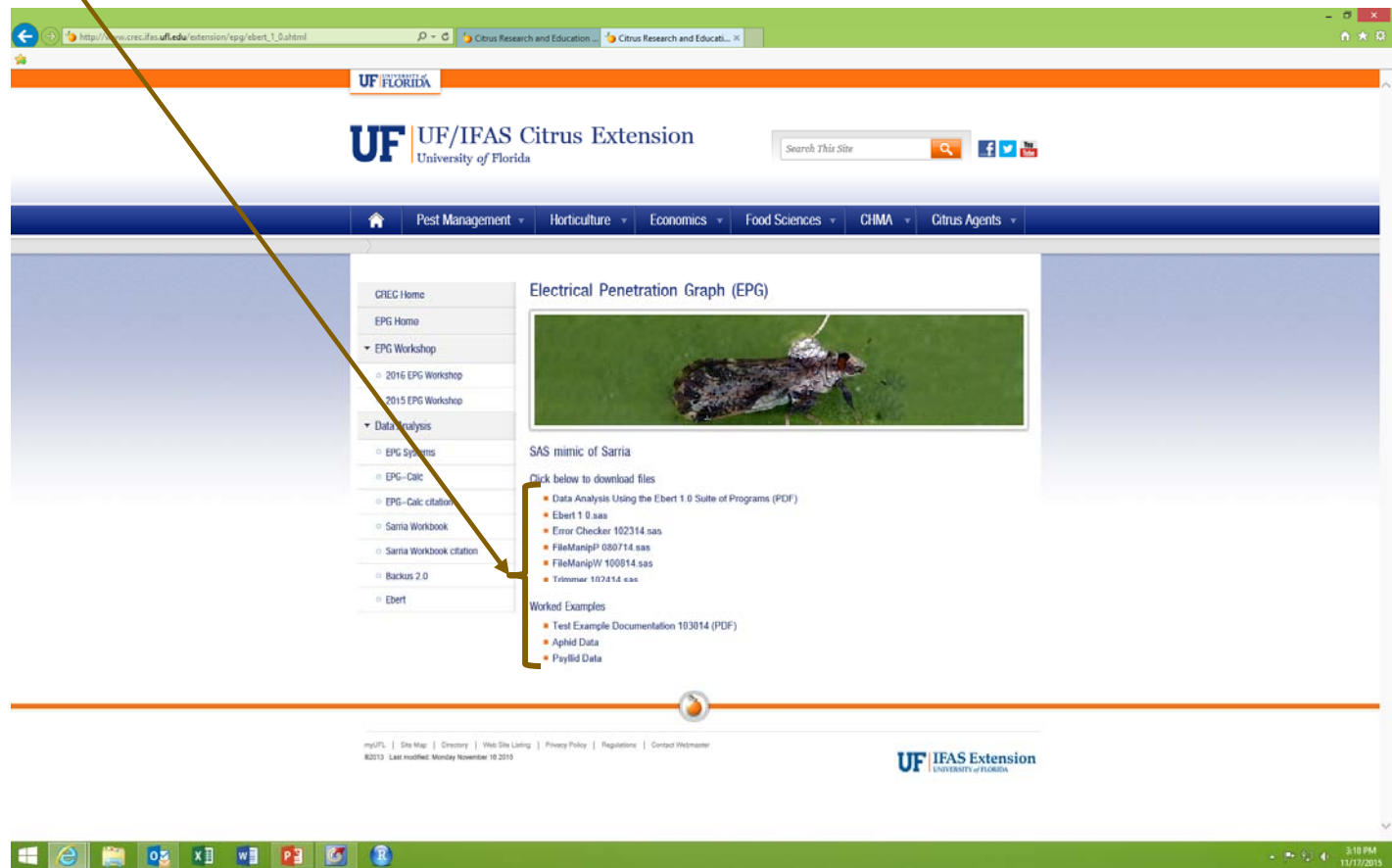
Download Files

- ## All of these files

EPG Analysis

- You should have a desktop with
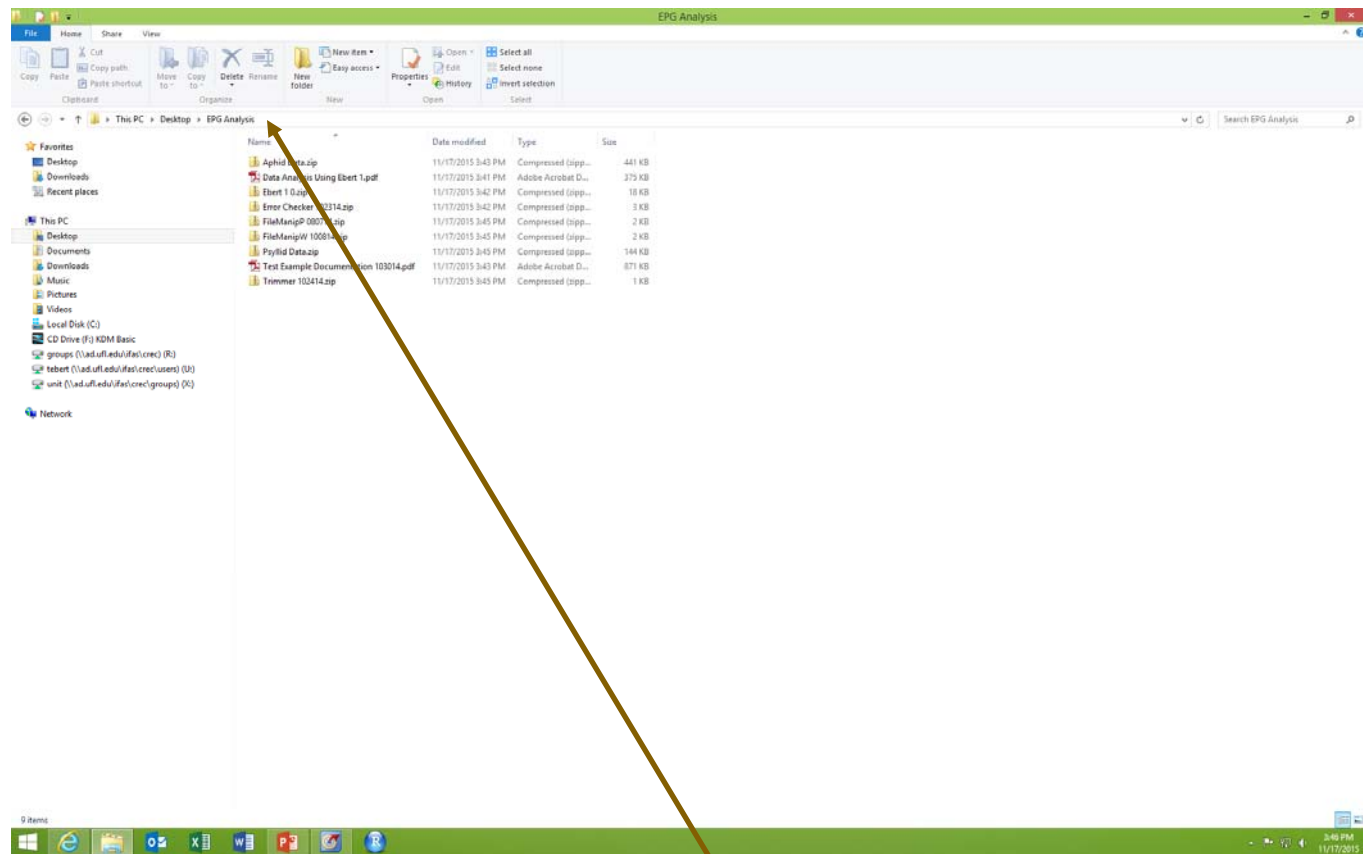
- Click here to see path
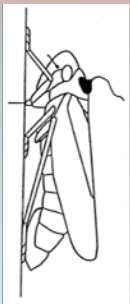
The Path Name

- The path name is the set of folders and subfolders that must be followed to get to a specific file.

The disk   The specific user   A folder on the desktop

- C:\Users\tebert\Desktop\EPG Analysis\C4.csv

A folder where all users are listed

The desktop for that user

A file name

The Extension
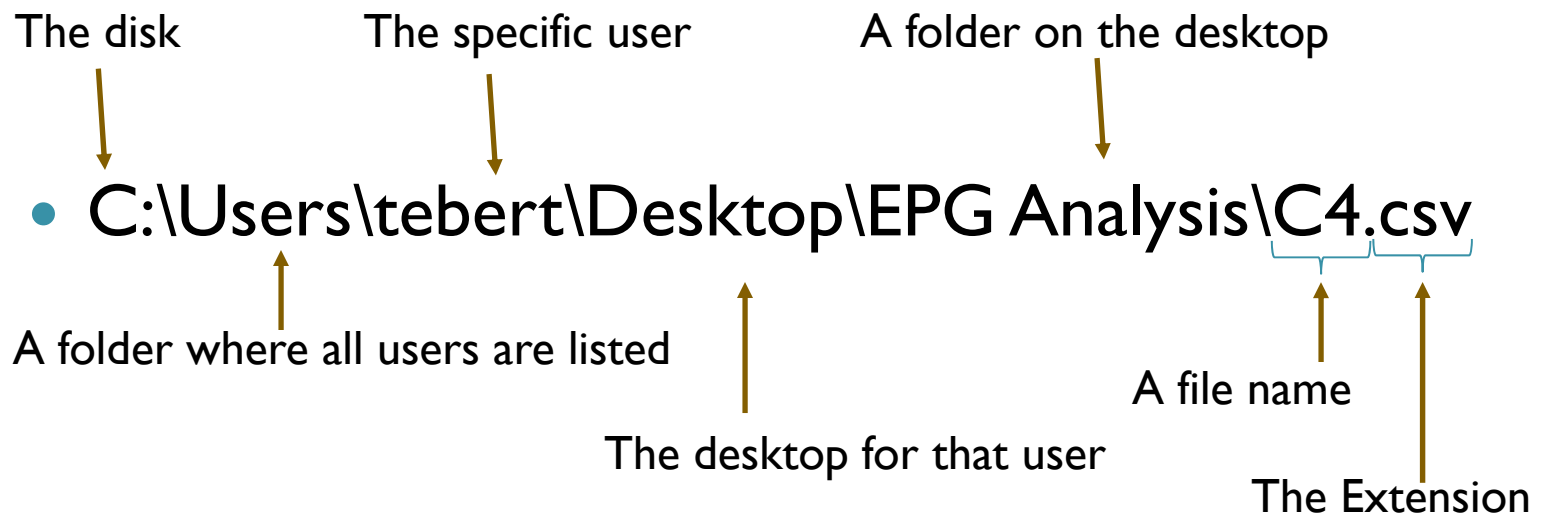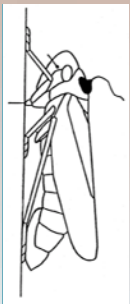
Recommended short cuts

- "Control c" for copy: to copy selected text or figure
- "Control v" for paste
- "Control x" for cut
- "Control s" for save: to save a file
- "Control f" for find
- "Control p" for print active file
- In all cases hold control key down and hit the lower case letter.
- You will do the first three tasks over and over. The faster you are at these tasks the less time this will take.
- The menu locations of these tasks changes with different software or upgrades. The shortcuts have not changed in the last 30+ years. I The shortcuts to cross platforms (PC versus Mac), and software companies.
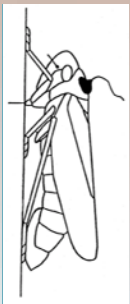
Recommended short cuts #2

- "Control h" for change
- "Control a" for select all
- In Excel the following are also useful
  - "Control d" for fill down
  - "Control r" for fill right
  - "Control End ↓" for select down (Press and hold the control key, then the end key, and then the down arrow.)
  - "Control End →" for select right

EPG Work-shop

The Files: What do you have?

- Introductions
- Raw data
- SAS programs

- Please unzip all files if you have not already done so.

- Rearrange everything such that you have two folders (Aphid Data and Psyllid Data) and 7 files in your EPG Analysis folder.

- Extra folders should be deleted. The "Aphid Data" and "Psyllid Data" folders should not have any subfolders. Everything with a zip extension should be deleted after the zip file has been extracted and saved with the same name.

Final Check

- You should have the following in a folder named "EPG Analysis" on your desktop.

Delete all the zip folders.
These files and folders should be the only contents in the "EPG Analysis" folder.
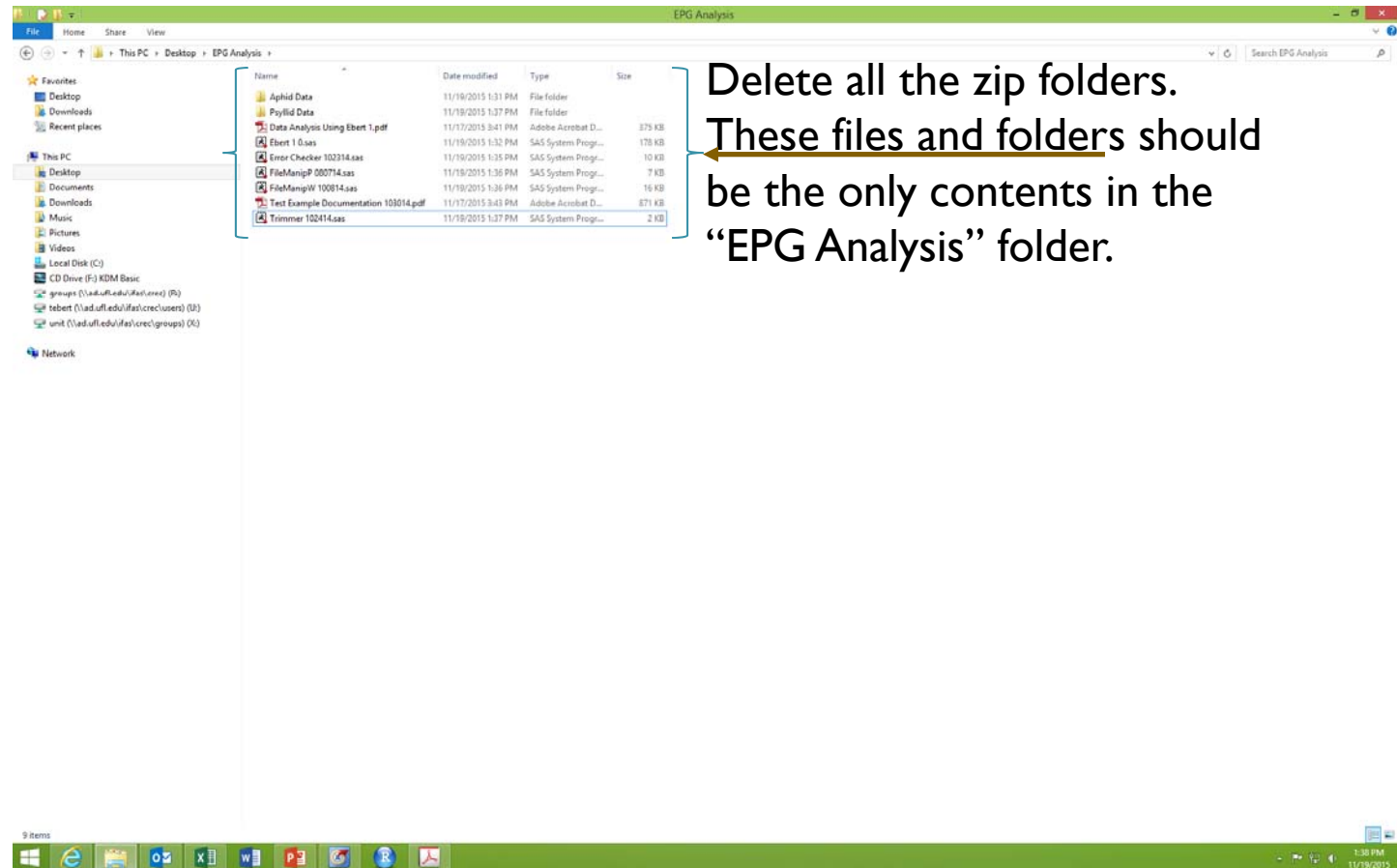
Introductions

- Data Analysis Using Ebert 1.pdf
  - This is a tutorial in an instruction manual format.
- Test Example Documentation 103014.pdf
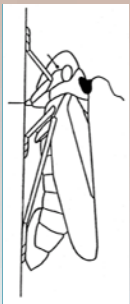 - A tutorial that goes through data analysis for the two data sets.

Raw Data

- Aphid data is provided using a format that is typical of files created by Probe software. The file extension is ANA.
- Psyllid data is provided using a format that is typical of files created by Windaq waveform browser. There is no file extension.
- All of these files are text files, and can be viewed using Notepad or similar software.
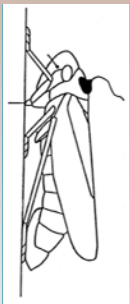
SAS Programs

- Here are the steps we will go through:
  - ◦ Read the raw data
  - ◦ Create a new file with all the data
  - ◦ Check for errors
  - ◦ Remove artificially terminated events (optional)
  - ◦ Process SAS output in Excel

SAS

- SAS has two interfaces.
  - SAS
  - Enterprise Guide (=Enterprise)
- I prefer Enterprise
  - It offers an easy view of all active data sets without having to print them out. This will be useful in more advanced sections.