

# SHAZAM FOR DUMMIES

A STEP-BY-STEP GUIDE TO USING SHAZAM

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## SHAZAM FOR DUMMIES

**Before beginning:** Please make sure that you have an account set up on the Sleet Server. Contact the computer help desk for assistance. (They generally take 2 hrs. to become active, but have been known to take as long as 24hrs.)

### Step 1: Collect Data

i) This is best accomplished using Excel. It's much easier to manipulate the data in Excel than to manipulate it in a .txt file. Once the desired data is collected, select the area around the data which you would like Shazam to analyze and select "Copy" in the toolbar menu.

*Exhibit 1.*

1	date	exch_rate	dummy1	dummy2	dummy3	dummy4	us_gdp	can_gdp	canada_infl	usa_infl	int_diff
2	1980.1	0.842602	0	0	0	0	2725.3	72093	0.007952	0.015209	-1.53
3	1980.2	0.870095	0	1	0	0	2729.3	75543	0.009671	0.011002	5.42
4	1980.3	0.863004	0	0	1	0	2786.6	84196	0.007519	0.008403	0.07
5	1980.4	0.841255	0	0	0	1	2916.9	82558	0.003650	0.009357	-1.59
6	1981.1	0.842602	0	0	0	0	3052.7	82365	0.012411	0.006826	3.32
7	1981.2	0.833472	0	1	0	0	3085.9	87432	0.015517	0.008909	3.76
8	1981.3	0.831324	0	0	1	0	3178.7	97201	0.006678	0.009751	5.34
9	1981.4	0.844656	0	0	0	1	3196.4	93473	0.004886	0.003202	4.93
10	1982.1	0.814531	0	0	0	0	3186.8	89646	0.012719	-0.001057	2.16
11	1982.2	0.769527	0	1	0	0	3242.7	91803	0.010786	0.012526	3.38
12	1982.3	0.81057	0	0	1	0	3276.2	101273	0.006042	0.002047	5.74
13	1982.4	0.809323	0	0	0	1	3314.4	97137	0.000000	-0.004082	2.58

### Step 2: Transfer Data to .txt file.

i) Paste your data into notepad. The data may appear skewed as in Exhibit 2, simply adjust the screen width on notepad to make the columns align.

*Exhibit 2.*

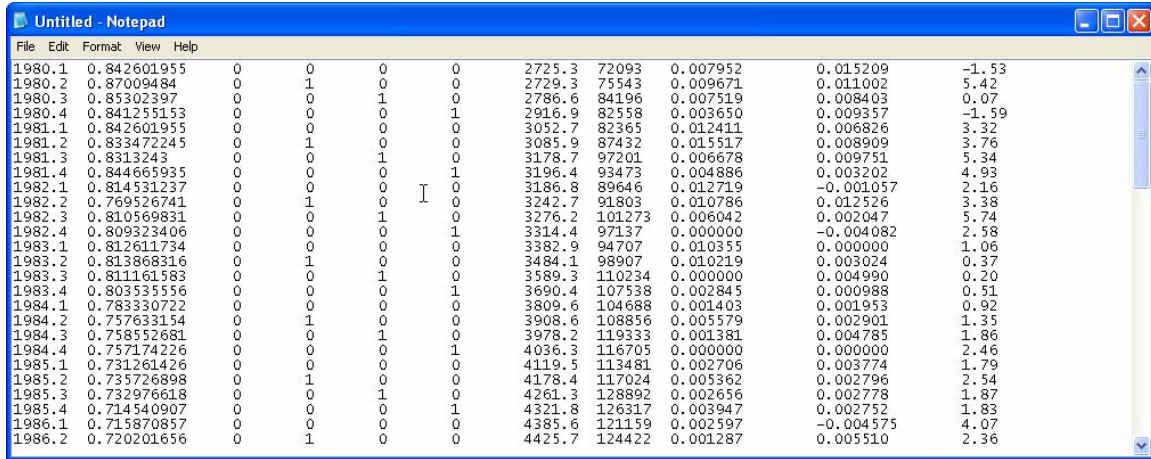
```

date      exch_rate      dummy1      dummy2      dummy3      dummy4      us_gdp
can_gdp    canada_infl    usa_infl    int_diff
1980.1    0.842601955   0           0           0           0           2725.3
72093    0.007952      0.015209   -1.53
1980.2    0.87009484    0           1           0           0           2729.3
75543    0.009671      0.011002   5.42
1980.3    0.85302397    0           0           1           0           2786.6
84196    0.007519      0.008403   0.07
1980.4    0.841255153   0           0           0           1           2916.9
82558    0.003650      0.009357   -1.59
1981.1    0.842601955   0           0           0           0           3052.7
82365    0.012411      0.006826   3.32
1981.2    0.833472245   0           1           0           0           3085.9
87432    0.015517      0.008909   3.76
1981.3    0.8313243     0           0           1           0           3178.7
97201    0.006678      0.009751   5.34
1981.4    0.844656935   0           0           0           1           3196.4
93473    0.004886      0.003202   4.93
1982.1    0.814531237   0           0           0           0           3186.8
89646    0.012719      -0.001057  2.16
1982.2    0.769526741   0           1           0           0           3242.7
91803    0.010786      0.012526   3.38
1982.3    0.810569831   0           0           1           0           3276.2
101273   0.006042      0.002047   5.74
1982.4    0.809323406   0           0           0           1           3314.4
97137    0.000000      -0.004082  2.58

```

ii) After adjusting the Notepad Width **delete the first row of data** (these are the **variable names** you have outlined from the excel program). This will leave you with only data in your Notepad window. (Exhibit 3) Save the .txt file to your F: drive. (Student Drive)

Exhibit 3.

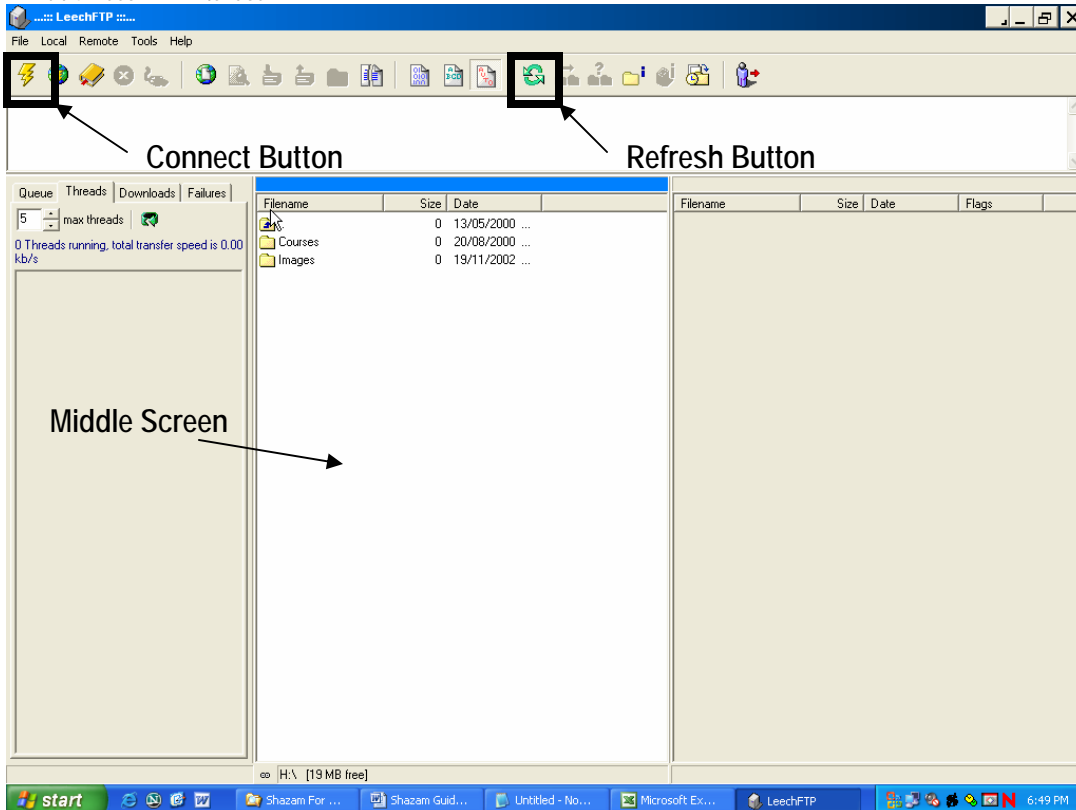


Year	Variable 1	Variable 2	Variable 3	Variable 4	Variable 5	Variable 6	Variable 7	Variable 8	Variable 9	Variable 10
1980.1	0.842601955	0	0	0	2725.3	72093	0.007952	0.015209	-1.53	
1980.2	0.87009484	0	1	0	2729.3	75543	0.009671	0.011002	5.42	
1980.3	0.85302397	0	0	1	2786.6	84196	0.007519	0.008403	0.07	
1980.4	0.841255153	0	0	1	2916.9	82558	0.003650	0.009357	-1.59	
1981.1	0.842601955	0	0	0	3052.7	82365	0.012411	0.006826	3.32	
1981.2	0.833472245	0	1	0	3085.9	87432	0.015517	0.008909	3.76	
1981.3	0.8313243	0	0	1	3178.7	97201	0.006678	0.009751	5.34	
1981.4	0.844665935	0	0	0	3196.4	93473	0.004886	0.003202	4.93	
1982.1	0.814531237	0	0	0	3186.8	89646	0.012719	-0.001057	2.16	
1982.2	0.769526741	0	1	0	3242.7	91803	0.010786	0.012526	3.38	
1982.3	0.810569831	0	0	1	3276.2	101273	0.006042	0.002047	5.74	
1982.4	0.809323406	0	0	0	3314.4	97137	0.000000	-0.004082	2.58	
1983.1	0.812611734	0	0	0	3382.9	94707	0.010355	0.000000	1.06	
1983.2	0.813868316	0	1	0	3484.1	98907	0.010219	0.003024	0.37	
1983.3	0.811161583	0	0	1	3589.3	110234	0.000000	0.004990	0.20	
1983.4	0.803535556	0	0	0	3690.4	107538	0.002845	0.000988	0.51	
1984.1	0.783330722	0	0	0	3809.6	104688	0.001403	0.001953	0.92	
1984.2	0.757633154	0	1	0	3908.6	108856	0.005579	0.002901	1.35	
1984.3	0.758552681	0	0	1	3978.2	119333	0.001381	0.004785	1.86	
1984.4	0.757174226	0	0	0	4036.3	116705	0.000000	0.000000	2.46	
1985.1	0.731261426	0	0	0	4119.5	113481	0.002706	0.003774	1.79	
1985.2	0.735726898	0	1	0	4178.4	117024	0.005362	0.002796	2.54	
1985.3	0.732976618	0	0	1	4261.3	128892	0.002656	0.002778	1.87	
1985.4	0.714540907	0	0	0	4321.8	126317	0.003947	0.002752	1.83	
1986.1	0.715870857	0	0	0	4385.6	121159	0.002597	-0.004575	4.07	
1986.2	0.720201656	0	1	0	4425.7	124422	0.001287	0.005510	2.36	

### Step 3: Transferring Data to FTP Server

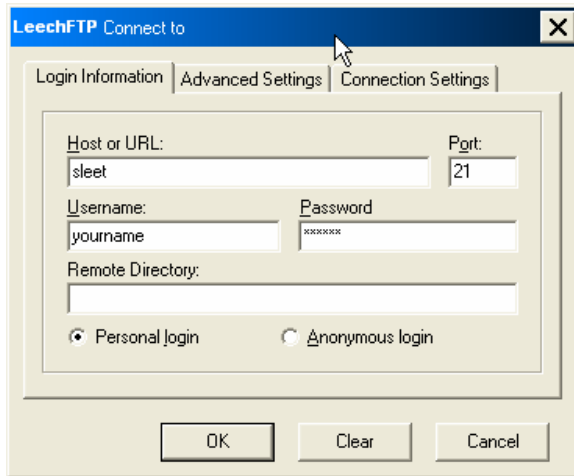
- i) Open LeechFTP. It can be found by going to the "Start" Menu, Clicking "Programs", then Clicking "Internet." The program will appear in the "Internet" Menu.
- ii) Once LeechFTP is open, **right-click** on the **middle screen**. A drop down menu will appear, and under the "Change Drive" menu click the "F:" drive.

Exhibit 4. LeechFTP Interface



iii) This will open your drive of files. Next you must connect to the **Sleet** server. This is done by clicking the “Lightning Bolt” (see Exhibit 4.) in the top-left hand corner. The following window will open:

Exhibit 5.

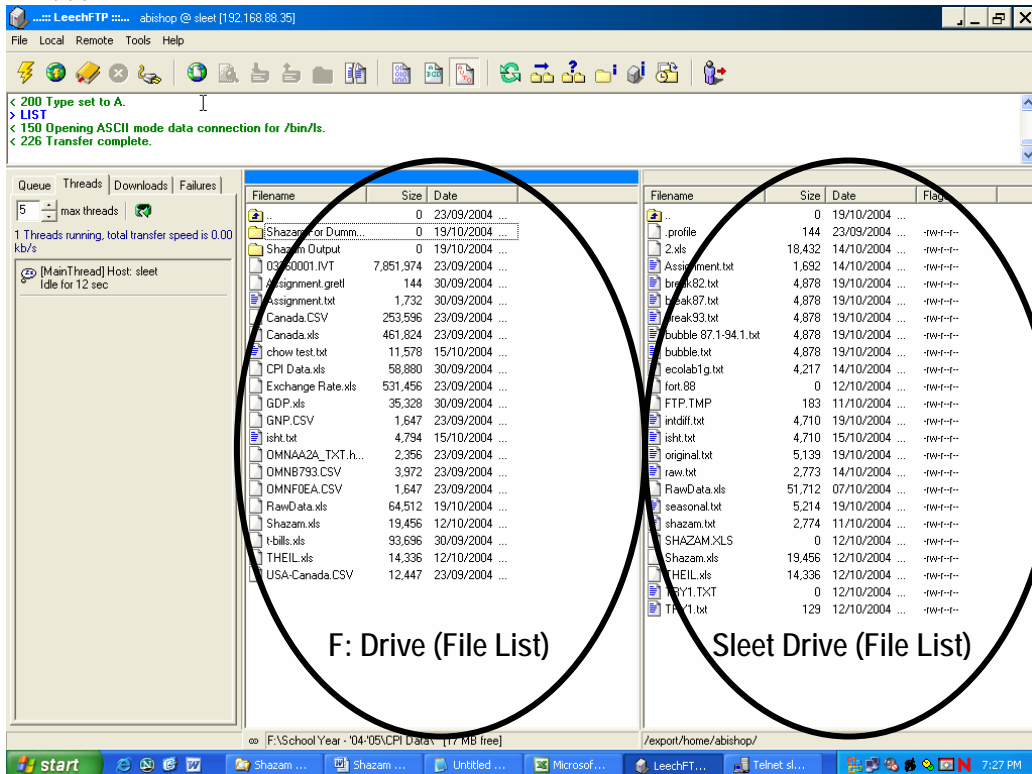


iv) In the “Host or URL” box enter the word “Sleet”

v) Then proceed to fill in your “Username” and “Password” (these are the ones you set up in the Sleet account). Again, if you have not yet set up a Sleet account seek assistance at the **Computer Help Desk**.

vi) Once you are connected a directory will open in the right-hand screen. This is a listing of your files on the **Sleet** server. Every time you save or transfer a file the directories (F: Drive and Sleet Drive) must be refreshed by pressing the “refresh” button (located in the middle near the top of the Window – see Exhibit 4).

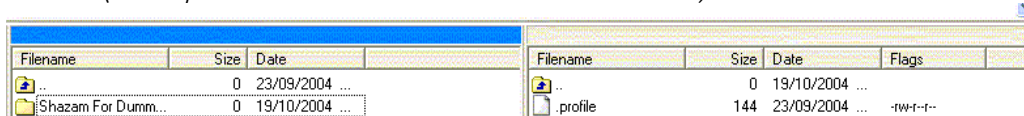
Exhibit 6.



→ To place files on the Sleet Server, simply **'drag and drop'** the files from your F: Drive (*LHS*) to the Sleet Server (*RHS*).

**Example:** If you make a change to your .txt file, you must i) save the file (overwrite previous file), ii) click the 'refresh' button on the F: Drive, iii) drag the file over to the Sleet Server side, and iv) click refresh with the Sleet Server window active. (The blue bar above each window indicates which window is active – Exhibit 7)

*Exhibit 7. (Close-up of F Drive: & Sleet Server Windows – See Exhibit 6)*

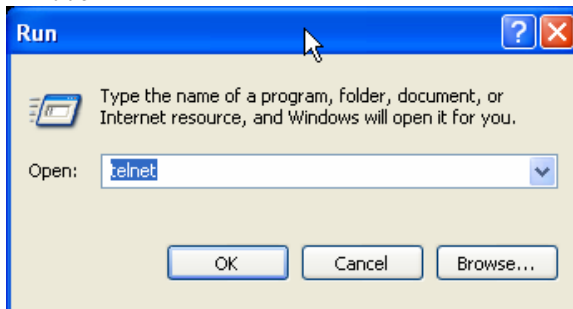


Your files are now ready to be retrieved by Shazam!

#### Step 4: Opening Shazam

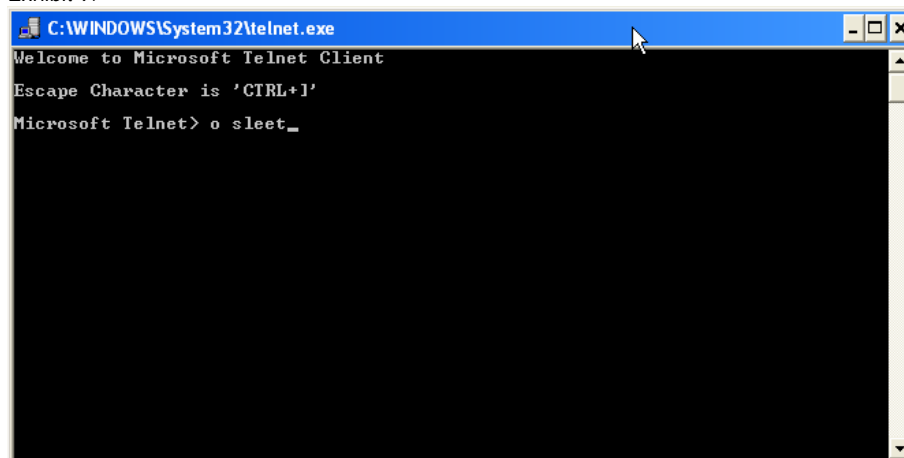
- i) Open up Shazam.
- ii) Click "Run" from the Start Menu.
  - a) Type in "telnet"

*Exhibit 8.*



- b) Type in "o sleet" in the next window.

*Exhibit 9.*



- c) Type in your Sleet "Username" and "Password"
- d) When the prompt "sleet%" appears, type in "shazam" (all lower case)

**Shazam is now open!!**

Exhibit 10. Shazam Main Screen

```

Telnet sleet
/research-henson
/export/home      0  5000  6000      0  0  0
sleet% shazam    166 5000  6000    24 1500 1550
*****
* SHAZAM - FOR SPARCSTATION SITE NO. 444
*
* ** Copyright (C) 2000 by K.J. White - All Rights Reserved **
*
* FOR USE ONLY BY: Department of Economics
* AT: Lakehead University
*
*
* If this does not describe you then you have stolen this copy
* and if you type anything except STOP or HELP SHAZAM you
* agree to send payment within 7 days for a software license
*
*
*
* SITE LICENSE - FOR USE ON ALL COMPUTERS AT ABOVE LOCATION
*****
Hello/Bonjour/Aloha/Howdy/G Day/Kia Ora/Konnichiwa/Buenos Dias/Nee Hau/Ciao
Welcome to SHAZAM - Version 9.0 - APR 2002 SYSTEM=SUNSPARC PAR= 234
TYPE COMMAND
:

```

## Step 5: Retrieving Your Data – Reading .txt file

i) The following command will retrieve your .txt file:

```
:_READ (filename.txt) VARIABLES
```

i.e.

```
:_READ (intdiff.txt) YEAR EXCH USGDP CANGDP CANINF USINF INTDIFF
```

*Note:* You need not enter in the sample size; the program will interpret the data and assign the sample size automatically.

Exhibit 11. Retrieving Example

```

*****
Hello/Bonjour/Aloha/Howdy/G Day/Kia Ora/Konnichiwa/Buenos Dias/Nee Hau/Ciao
Welcome to SHAZAM - Version 9.0 - APR 2002 SYSTEM=SUNSPARC PAR= 234
TYPE COMMAND
:_READ (intdiff.txt) YEAR EXCH USGDP CANGDP CANINF USINF INTDIFF
UNIT 88 IS NOW ASSIGNED TO: intdiff.txt
7 VARIABLES AND 84 OBSERVATIONS STARTING AT OBS 1
TYPE COMMAND
:

```

ii) If the above prompt (Exhibit 11) appears you've done it correctly. If not you might get the following prompt:

Exhibit 12. Error Message

```

TYPE COMMAND
:_sample 1 84
TYPE COMMAND
:_READ (seasonality.txt) YEAR EXCH USGDP CANGDP CANINF USINF INTDIFF
..THE FILE:seasonality.txt
..DOES NOT EXIST
VARIABLE YEAR      IS DELETED      84 WORDS RELEASED
VARIABLE EXCH     IS DELETED      84 WORDS RELEASED
VARIABLE USGDP    IS DELETED      84 WORDS RELEASED
VARIABLE CANGDP   IS DELETED      84 WORDS RELEASED
VARIABLE CANINF   IS DELETED      84 WORDS RELEASED
VARIABLE USINF    IS DELETED      84 WORDS RELEASED
VARIABLE INTDIFF  IS DELETED      84 WORDS RELEASED
TYPE COMMAND
:

```

iv) This error message will occur if the file was incorrectly transferred in the FTP program; if there is an error with the filename, or there is text within the file (i.e. you didn't delete your variable names out of the text file).

Also, remember that the number of variables you assign with the "READ" command must be the same as the number of columns in your text file.

Once your data has been "READ", then we can begin to manipulate it.

### Step 6: OLS Analysis

i) Enter in the following command to do an OLS analysis of your data.

```
:_OLS Dependent Independent Independent etc.
```

i.e.

```
:_OLS EXCH USGDP CANGDP CANINF USINF INTDIFF
```

Exhibit 13. OLS Input

```
:_SAMPLE 1 84
→TYPE COMMAND
:_READ <intdiff.txt> YEAR EXCH USGDP CANGDP CANINF USINF INTDIFF
  7 VARIABLES AND      84 OBSERVATIONS STARTING AT OBS 1
TYPE COMMAND
:_OLS EXCH USGDP CANGDP CANINF USINF INTDIFF
```

ii) Once you press enter.... Poof... Your output will appear like below!

Exhibit 14. OLS Output

```
Telnet sleet
REQUIRED MEMORY IS PAR=      11 CURRENT PAR=      234
OLS ESTIMATION
  84 OBSERVATIONS      DEPENDENT VARIABLE= EXCH
...NOTE...SAMPLE RANGE SET TO:      1,      84

R-SQUARE =      0.6222      R-SQUARE ADJUSTED =      0.5979
VARIANCE OF THE ESTIMATE-SIGMA**2 =      0.14539E-02
STANDARD ERROR OF THE ESTIMATE-SIGMA =      0.38130E-01
SUM OF SQUARED ERRORS-SSE=      0.11341
MEAN OF DEPENDENT VARIABLE =      0.76609
LOG OF THE LIKELIHOOD FUNCTION =      158.329

VARIABLE      ESTIMATED      STANDARD      T-RATIO      PARTIAL STANDARDIZED      ELASTICITY
NAME      COEFFICIENT      ERROR      78 DF      P-VALUE CORR. COEFFICIENT      AT MEANS
USGDP      -0.48612E-04      0.1743E-04      -2.789      0.007-0.301      -1.6809      -0.3743
CANGDP      0.13576E-05      0.6721E-06      2.020      0.047 0.223      1.2023      0.2914
CANINF      0.90080      1.517      0.5939      0.554 0.067      0.0554      0.0032
USINF      2.6813      1.476      1.817      0.073 0.201      0.1491      0.0112
INTDIFF      0.81641E-02      0.2632E-02      3.102      0.003 0.331      0.2744      0.0191
CONSTANT      0.80401      0.2195E-01      36.62      0.000 0.972      0.0000      1.0495
TYPE COMMAND
:_
```

Shazam has many other options for data analysis. This document is designed to help you learn the basic function of retrieving and performing an OLS analysis on your data. Seek the **on-line manual** for further commands and instructions @ <http://shazam.econ.ubc.ca/intro/>

Enjoy!!!