

ACS Data Import Tool

By Elizabeth He
ehe@dvrpc.org

ACS Data

- First ACS 5 year estimates released on Dec 14 2010.
- Data is available down to tracts and block groups level.
- Most of the data can be found from American Factfinder.

ACS Data

- Not all the detail data can be found from American Fact-Finder.
- There are 295 Detail tables only available as csv file on FTP site.
- Need Excel 2007 to extract Block Groups data.
- Individual staff download the data will slowdown network and also resulting in duplicate information

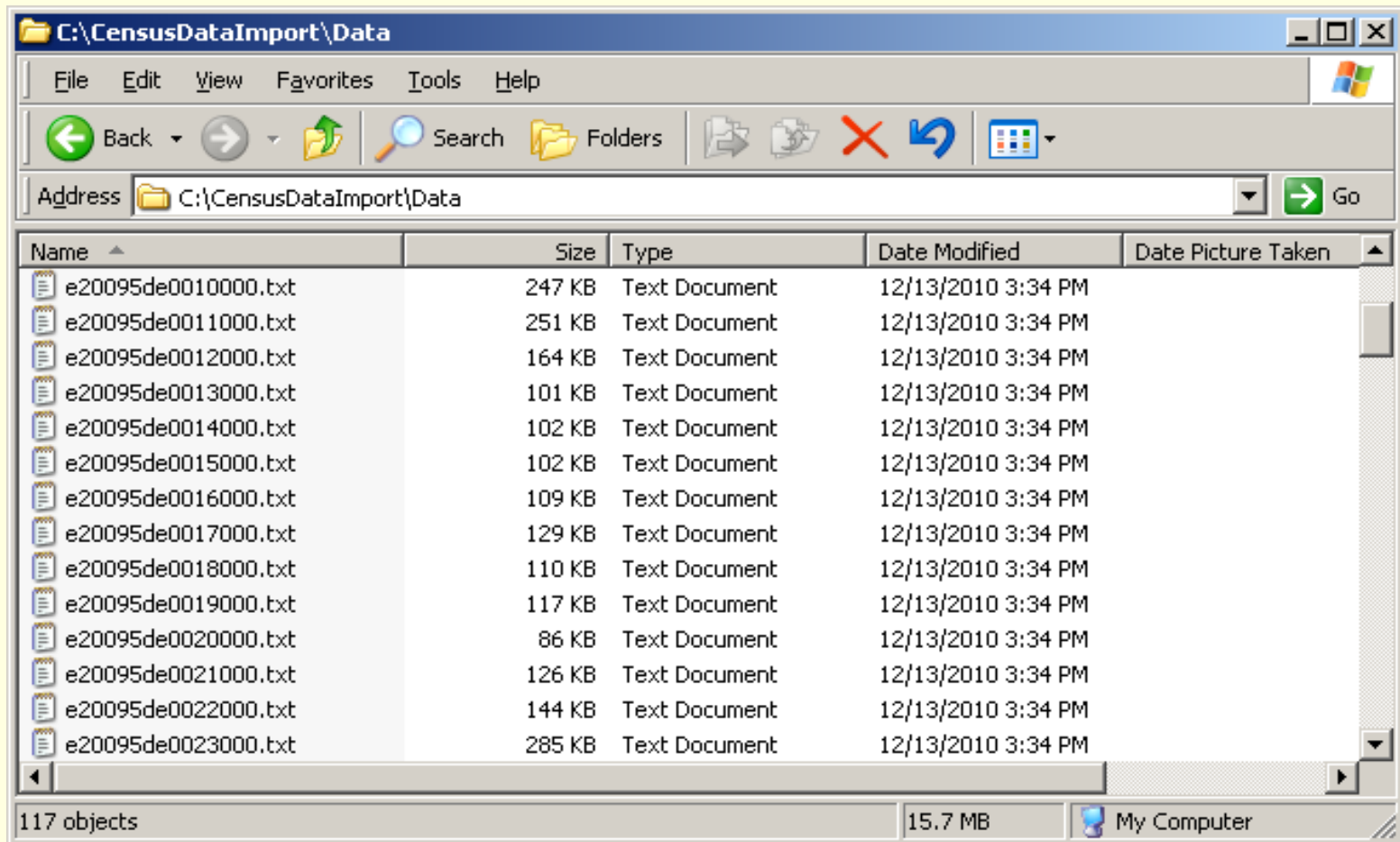
DVRPC ACS Database

- Centralize the data.
- Eliminate the duplicate downloads.

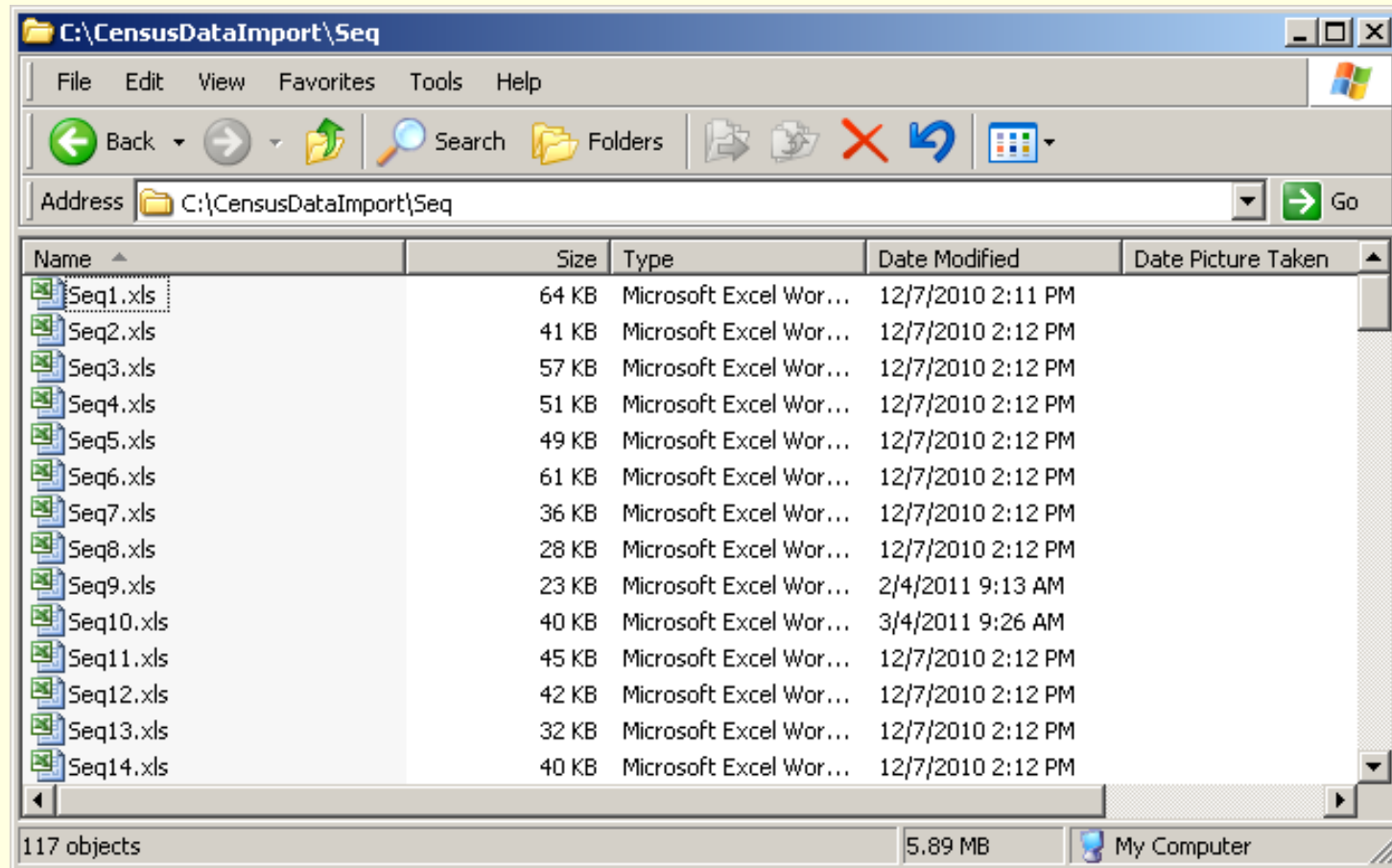
ACS Data on FTP site

- Data source on FTP site
- CSV data file
- Seq Excel file

CSV Data File



Seq Files



Sample of Seq File

Microsoft Excel - Seq10.xls

File Edit View Insert Format Tools Data Window Help Adobe PDF

Type a question for help

100%

B

G6

	A	B	C	D	E	F	G	H	I	J	K	
1	FILEID	FILETYPE	STUSAB	CHARITER	SEQUENCE	LOGRECNO	B01001_001	B01001_002	B01001_003	B01001_004	B01001_005	B01001_006
2	FILEID	FILETYPE	STUSAB	CHARITER	SEQUENCE	LOGRECNO	Total population	Total population%	Total populatio	Total populatio	Total populatio	Total populatio
3												
4												
5												
6												
7												
8												
9												

Seq10

Ready

NUM

Data Import

- How long it takes to import entire NJ dataset into database manually?
- 5-10 min to create each table in oracle
- 5-10 min to create sqlloader scripts
- 1 min to run the import scripts
- Total 11 – 21 min to import one CSV file.
- 21 hr -41 hr to import the 117 CSV file for one state.

ACS Data Java Import Tool

- Read the seq file one at the time, and then create tables into oracle
- Generate the sqlloader script base the fields in the sql file.
- Run the sqlload commend on DOS to import the data into oracle.
- Generate the log files for each data import.

ACS Data Java Import Tool

- Youtube : Import Census ACS Data into Oracle
- [Download the tool](#)

ACS Web Data Mining

- <http://www.dvrpc.org/asp/censusacs/>

Questions
